



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



**CERTIFICATE OF ANALYSIS
SUBMISSION SUMMARY**

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: 1800221

EPA Lab#: FL00123

Profile: Environmental Mgmt - Ambient

Line Item: EMD - Land Run

SAMPLE SITE	SAMPLE NO.	COLLECTED DATE/TIME	RECEIVED DATE/TIME
06-03 18-04	180022101	06/06/2018 08:50	06/06/2018 15:15
06-06 18-04	180022102	06/06/2018 09:32	06/06/2018 15:15
05-07 18-04	180022103	06/06/2018 10:26	06/06/2018 15:15
05-06 18-04	180022104	06/06/2018 10:53	06/06/2018 15:15
11-05 18-04	180022105	06/06/2018 11:33	06/06/2018 15:15
12-04 18-04	180022106	06/06/2018 12:36	06/06/2018 15:15
12-02 18-04	180022107	06/06/2018 13:05	06/06/2018 15:15
13-05 18-04	180022108	06/06/2018 14:03	06/06/2018 15:15
14-02 18-04	180022109	06/06/2018 14:52	06/06/2018 16:18

THIS REPORT MEETS NELAC 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 NELAC 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 analyte or that the certified method has been sufficiently modified to accommodate the customer requirements that it no longer qualifies as certified. Results reported from methods referencing other laboratories are reported under their respective certification. Methods designated as "FIELD" are not certified results and are provided from the Chain of Custody for informational purposes only.

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

Terri Grimes

07/13/2018

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

Date



ANALYTICAL RESULTS

Workorder: 1800221

Lab ID: 180022101
Sample ID: 06-03 18-04

Date Received: 6/6/2018 15:15 Matrix: Surface Water
Date Collected: 6/6/2018 08:50

Parameters	Results Units	DF	LOD	LOQ	Analyzed	By	Qualifiers	QC Batch ID
Inorganics								
Analytical Method: SM 2130B								
Turbidity	0.6 NTU	1	0.1		6/7/2018 12:36	TMT		CHEM/1141
Analytical Method: SM 2540D								
Total Suspended Solids	1 U mg/L	1	1		6/8/2018 09:20	KAV		CHEM/1149
Analytical Method: SM 10200H								
Chlorophyll a (Corrected)	1.7 mg/m3	1	0.5		6/8/2018 15:07	QAC		CHEM/1144
Chlorophyll a (Uncorrected)	2.3 mg/m3	1	0.5		6/8/2018 15:07	QAC		CHEM/1144
Chlorophyll b	0.5 U mg/m3	1	0.5		6/8/2018 15:07	QAC		CHEM/1144
Chlorophyll c	0.5 U mg/m3	1	0.5		6/8/2018 15:07	QAC		CHEM/1144
Pheophytin	0.9 mg/m3	1	0.5		6/8/2018 15:07	QAC		CHEM/1144
Analytical Method: SM 5210B								
Biochemical Oxygen Demand	0.8 I mg/L	1	0.5	2.0	6/7/2018 11:53	JDH	J	CHEM/1143
J - Standard exceeded accuracy limits								
Microbiology								
Analytical Method: SM 9223B								
E. coli	395 MPN/100mL	4	4		6/6/2018 16:01	KDP		MIC/1105
Nutrients								
Analytical Method: ASTM D3590-02B								
Total Kjeldahl Nitrogen	0.51 mg/L	1	0.10	0.40	6/12/2018 14:18	AMC		NUTR/1122
Analytical Method: EPA 365.4								
Total Phosphorus	0.10 mg/L	1	0.02	0.04	6/12/2018 15:35	AMC		NUTR/1124
Analytical Method: SM 4500PF								
Orthophosphate as P(Dissolved)	0.07 mg/L	1	0.01	0.04	6/7/2018 14:12	MLP		NUTR/1119
Analytical Method: SM 4500NH3H								
Ammonia	0.01 I mg/L	1	0.01	0.04	6/8/2018 10:08	RRM		NUTR/1118
Analytical Method: SM 4500NO3F								
Nitrate+Nitrite (N)	0.08 mg/L	1	0.02	0.04	6/8/2018 10:08	RRM		NUTR/1117

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ANALYTICAL RESULTS

Workorder: 1800221

Lab ID: **180022102**
Sample ID: **06-06 18-04**

Date Received: 6/6/2018 15:15 Matrix: Surface Water
Date Collected: 6/6/2018 09:32

Parameters	Results Units	DF	LOD	LOQ	Analyzed	By	Qualifiers	QC Batch ID
Inorganics								
Analytical Method: SM 2130B								
Turbidity	2.0 NTU	1	0.1		6/7/2018 12:36	TMT		CHEM/1141
Analytical Method: SM 2540D								
Total Suspended Solids	3 mg/L	1	1		6/8/2018 09:20	KAV		CHEM/1149
I - Final, dried residue < 2.5 mg as req'd by method								
Analytical Method: SM 10200H								
Chlorophyll a (Corrected)	15.5 mg/m3	1	0.5		6/8/2018 15:07	QAC		CHEM/1144
Chlorophyll a (Uncorrected)	17 mg/m3	1	0.5		6/8/2018 15:07	QAC		CHEM/1144
Chlorophyll b	0.5 U mg/m3	1	0.5		6/8/2018 15:07	QAC		CHEM/1144
Chlorophyll c	1.4 mg/m3	1	0.5		6/8/2018 15:07	QAC		CHEM/1144
Pheophytin	1.4 mg/m3	1	0.5		6/8/2018 15:07	QAC		CHEM/1144
Analytical Method: SM 5210B								
Biochemical Oxygen Demand	2.5 mg/L	1	0.5	2.0	6/7/2018 11:53	JDH	J	CHEM/1143
J - Standard exceeded accuracy limits								
Microbiology								
Analytical Method: SM 9223B								
E. coli	44 MPN/100mL	4	4		6/6/2018 16:01	KDP		MIC/1105
Nutrients								
Analytical Method: ASTM D3590-02B								
Total Kjeldahl Nitrogen	0.83 mg/L	1	0.10	0.40	6/12/2018 14:17	AMC		NUTR/1122
Analytical Method: EPA 365.4								
Total Phosphorus	0.03 I mg/L	1	0.02	0.04	6/12/2018 15:37	AMC		NUTR/1124
Analytical Method: SM 4500PF								
Orthophosphate as P(Dissolved)	0.01 U mg/L	1	0.01	0.04	6/7/2018 14:13	MLP		NUTR/1119
Analytical Method: SM 4500NH3H								
Ammonia	0.01 U mg/L	1	0.01	0.04	6/8/2018 10:10	RRM		NUTR/1118
Analytical Method: SM 4500NO3F								
Nitrate+Nitrite (N)	0.02 U mg/L	1	0.02	0.04	6/8/2018 10:10	RRM		NUTR/1117

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ANALYTICAL RESULTS

Workorder: 1800221

Lab ID: **180022103**
Sample ID: **05-07 18-04**

Date Received: 6/6/2018 15:15 Matrix: Surface Water
Date Collected: 6/6/2018 10:26

Parameters	Results Units	DF	LOD	LOQ	Analyzed	By	Qualifiers	QC Batch ID
Inorganics								
Analytical Method: SM 2130B								
Turbidity	4.5 NTU	1	0.1		6/7/2018 12:36	TMT		CHEM/1141
Analytical Method: SM 2540D								
Total Suspended Solids	12 mg/L	1	1		6/8/2018 09:20	KAV		CHEM/1149
Analytical Method: SM 10200H								
Chlorophyll a (Corrected)	107 mg/m3	1	0.5		6/8/2018 15:07	QAC		CHEM/1144
Chlorophyll a (Uncorrected)	118 mg/m3	1	0.5		6/8/2018 15:07	QAC		CHEM/1144
Chlorophyll b	1.7 mg/m3	1	0.5		6/8/2018 15:07	QAC		CHEM/1144
Chlorophyll c	9.2 mg/m3	1	0.5		6/8/2018 15:07	QAC		CHEM/1144
Pheophytin	11.9 mg/m3	1	0.5		6/8/2018 15:07	QAC		CHEM/1144
Analytical Method: SM 5210B								
Biochemical Oxygen Demand	8.9 mg/L	1	0.5	2.0	6/7/2018 11:53	JDH J		CHEM/1143
J - Standard exceeded accuracy limits								
Microbiology								
Analytical Method: SM 9223B								
E. coli	78 MPN/100mL	2	2		6/6/2018 16:01	KDP		MIC/1105
Nutrients								
Analytical Method: ASTM D3590-02B								
Total Kjeldahl Nitrogen	1.83 mg/L	1	0.10	0.40	6/12/2018 14:19	AMC		NUTR/1122
Analytical Method: EPA 365.4								
Total Phosphorus	0.19 mg/L	1	0.02	0.04	6/12/2018 15:38	AMC		NUTR/1124
Analytical Method: SM 4500PF								
Orthophosphate as P(Dissolved)	0.02 I mg/L	1	0.01	0.04	6/7/2018 14:14	MLP		NUTR/1119
Analytical Method: SM 4500NH3H								
Ammonia	0.01 I mg/L	1	0.01	0.04	6/8/2018 10:11	RRM		NUTR/1118
Analytical Method: SM 4500NO3F								
Nitrate+Nitrite (N)	0.02 U mg/L	1	0.02	0.04	6/8/2018 10:11	RRM		NUTR/1117

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ANALYTICAL RESULTS

Workorder: 1800221

Lab ID: **180022104** Date Received: 6/6/2018 15:15 Matrix: Surface Water
Sample ID: **05-06 18-04** Date Collected: 6/6/2018 10:53

Parameters	Results Units	DF	LOD	LOQ	Analyzed	By	Qualifiers	QC Batch ID
Inorganics								
Analytical Method: SM 2130B								
Turbidity	3.1 NTU	1	0.1		6/7/2018 12:36	TMT		CHEM/1141
Analytical Method: SM 2540D								
Total Suspended Solids	2 mg/L	1	1		6/8/2018 09:20	KAV		CHEM/1149
I - Final, dried residue < 2.5 mg as req'd by method								
Analytical Method: SM 10200H								
Chlorophyll a (Corrected)	7.0 mg/m3	1	0.5		6/8/2018 15:07	QAC		CHEM/1144
Chlorophyll a (Uncorrected)	8.8 mg/m3	1	0.5		6/8/2018 15:07	QAC		CHEM/1144
Chlorophyll b	0.5 mg/m3	1	0.5		6/8/2018 15:07	QAC		CHEM/1144
Chlorophyll c	0.5 mg/m3	1	0.5		6/8/2018 15:07	QAC		CHEM/1144
Pheophytin	2.7 mg/m3	1	0.5		6/8/2018 15:07	QAC		CHEM/1144
Analytical Method: SM 5210B								
Biochemical Oxygen Demand	1.5 l mg/L	1	0.5	2.0	6/7/2018 11:53	JDH	J	CHEM/1143
J - Standard exceeded accuracy limits								
Microbiology								
Analytical Method: SM 9223B								
E. coli	115 MPN/100mL	2	2		6/6/2018 16:01	KDP		MIC/1105
Nutrients								
Analytical Method: ASTM D3590-02B								
Total Kjeldahl Nitrogen	1.09 mg/L	1	0.10	0.40	6/12/2018 14:20	AMC		NUTR/1122
Analytical Method: EPA 365.4								
Total Phosphorus	0.10 mg/L	1	0.02	0.04	6/12/2018 15:39	AMC		NUTR/1124
Analytical Method: SM 4500PF								
Orthophosphate as P(Dissolved)	0.02 l mg/L	1	0.01	0.04	6/7/2018 14:14	MLP		NUTR/1119
Analytical Method: SM 4500NH3H								
Ammonia	0.02 l mg/L	1	0.01	0.04	6/8/2018 10:12	RRM		NUTR/1118
Analytical Method: SM 4500NO3F								
Nitrate+Nitrite (N)	0.02 U mg/L	1	0.02	0.04	6/8/2018 10:12	RRM		NUTR/1117

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ANALYTICAL RESULTS

Workorder: 1800221

Lab ID: 180022105
Sample ID: 11-05 18-04

Date Received: 6/6/2018 15:15
Date Collected: 6/6/2018 11:33
Matrix: Surface Water

Parameters	Results	Units	DF	LOD	LOQ	Analyzed	By	Qualifiers	QC Batch ID
Inorganics									
Analytical Method: SM 2130B									
Turbidity	1.8	NTU	1	0.1		6/7/2018 12:36	TMT		CHEM/1141
Analytical Method: SM 2540D									
Total Suspended Solids	4	mg/L	1	1		6/8/2018 09:20	KAV		CHEM/1149
Analytical Method: SM 10200H									
Chlorophyll a (Corrected)	1.4	mg/m3	1	0.5		6/8/2018 15:07	QAC		CHEM/1144
Chlorophyll a (Uncorrected)	1.7	mg/m3	1	0.5		6/8/2018 15:07	QAC		CHEM/1144
Chlorophyll b	0.5	U mg/m3	1	0.5		6/8/2018 15:07	QAC		CHEM/1144
Chlorophyll c	0.5	U mg/m3	1	0.5		6/8/2018 15:07	QAC		CHEM/1144
Pheophytin	0.5	mg/m3	1	0.5		6/8/2018 15:07	QAC		CHEM/1144
Analytical Method: SM 5210B									
Biochemical Oxygen Demand	1.2	I mg/L	1	0.5	2.0	6/7/2018 11:53	JDH	J	CHEM/1143
J - Standard exceeded accuracy limits									
Microbiology									
Analytical Method: SM 9223B									
E. coli	576	MPN/100mL	4	4		6/6/2018 16:01	KDP		MIC/1105
Nutrients									
Analytical Method: ASTM D3590-02B									
Total Kjeldahl Nitrogen	0.67	mg/L	1	0.10	0.40	6/12/2018 14:21	AMC		NUTR/1122
Analytical Method: EPA 365.4									
Total Phosphorus	0.19	mg/L	1	0.02	0.04	6/12/2018 15:41	AMC		NUTR/1124
Analytical Method: SM 4500PF									
Orthophosphate as P(Dissolved)	0.10	mg/L	1	0.01	0.04	6/7/2018 14:15	MLP		NUTR/1119
Analytical Method: SM 4500NH3H									
Ammonia	0.02	I mg/L	1	0.01	0.04	6/8/2018 10:13	RRM		NUTR/1118
Analytical Method: SM 4500NO3F									
Nitrate+Nitrite (N)	0.19	mg/L	1	0.02	0.04	6/8/2018 10:13	RRM		NUTR/1117

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ANALYTICAL RESULTS

Workorder: 1800221

Lab ID: **180022106** Date Received: 6/6/2018 15:15 Matrix: Surface Water
Sample ID: **12-04 18-04** Date Collected: 6/6/2018 12:36

Parameters	Results	Units	DF	LOD	LOQ	Analyzed	By	Qualifiers	QC Batch ID
Inorganics									
Analytical Method: SM 2130B									
Turbidity	2.5	NTU	1	0.1		6/7/2018 12:36	TMT		CHEM/1141
Analytical Method: SM 2540D									
Total Suspended Solids	2	mg/L	1	1		6/8/2018 09:20	KAV		CHEM/1149
I - Final, dried residue < 2.5 mg as req'd by method									
Analytical Method: SM 10200H									
Chlorophyll a (Corrected)	0.9	mg/m3	1	0.5		6/8/2018 15:07	QAC		CHEM/1144
Chlorophyll a (Uncorrected)	1.4	mg/m3	1	0.5		6/8/2018 15:07	QAC		CHEM/1144
Chlorophyll b	0.5	U mg/m3	1	0.5		6/8/2018 15:07	QAC		CHEM/1144
Chlorophyll c	0.5	U mg/m3	1	0.5		6/8/2018 15:07	QAC		CHEM/1144
Pheophytin	0.8	mg/m3	1	0.5		6/8/2018 15:07	QAC		CHEM/1144
Analytical Method: SM 5210B									
Biochemical Oxygen Demand	0.8	I mg/L	1	0.5	2.0	6/7/2018 11:53	JDH	J	CHEM/1143
J - Standard exceeded accuracy limits									
Microbiology									
Analytical Method: SM 9223B									
E. coli	295	MPN/100mL	4	4		6/6/2018 16:01	KDP		MIC/1105
Nutrients									
Analytical Method: ASTM D3590-02B									
Total Kjeldahl Nitrogen	0.48	mg/L	1	0.10	0.40	6/12/2018 14:23	AMC		NUTR/1122
Analytical Method: EPA 365.4									
Total Phosphorus	0.12	mg/L	1	0.02	0.04	6/12/2018 15:42	AMC		NUTR/1124
Analytical Method: SM 4500PF									
Orthophosphate as P(Dissolved)	0.07	mg/L	1	0.01	0.04	6/7/2018 14:16	MLP		NUTR/1119
Analytical Method: SM 4500NH3H									
Ammonia	0.03	I mg/L	1	0.01	0.04	6/8/2018 10:14	RRM		NUTR/1118
Analytical Method: SM 4500NO3F									
Nitrate+Nitrite (N)	0.26	mg/L	1	0.02	0.04	6/8/2018 10:14	RRM		NUTR/1117

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ANALYTICAL RESULTS

Workorder: 1800221

Lab ID: **180022107** Date Received: 6/6/2018 15:15 Matrix: Surface Water
Sample ID: **12-02 18-04** Date Collected: 6/6/2018 13:05

Parameters	Results Units	DF	LOD	LOQ	Analyzed	By	Qualifiers	QC Batch ID
Inorganics								
Analytical Method: SM 2130B								
Turbidity	2.0 NTU	1	0.1		6/7/2018 12:36	TMT		CHEM/1141
Analytical Method: SM 2540D								
Total Suspended Solids	2 mg/L	1	1		6/8/2018 09:20	KAV		CHEM/1149
I - Final, dried residue < 2.5 mg as req'd by method								
Analytical Method: SM 10200H								
Chlorophyll a (Corrected)	4.5 mg/m3	1	0.5		6/8/2018 15:07	QAC		CHEM/1144
Chlorophyll a (Uncorrected)	5.5 mg/m3	1	0.5		6/8/2018 15:07	QAC		CHEM/1144
Chlorophyll b	0.5 U mg/m3	1	0.5		6/8/2018 15:07	QAC		CHEM/1144
Chlorophyll c	0.5 U mg/m3	1	0.5		6/8/2018 15:07	QAC		CHEM/1144
Pheophytin	1.4 mg/m3	1	0.5		6/8/2018 15:07	QAC		CHEM/1144
Analytical Method: SM 5210B								
Biochemical Oxygen Demand	2.2 mg/L	1	0.5	2.0	6/7/2018 11:53	JDH	J	CHEM/1143
J - Standard exceeded accuracy limits								
Microbiology								
Analytical Method: SM 9223B								
E. coli	533 MPN/100mL	4	4		6/6/2018 16:01	KDP		MIC/1105
Nutrients								
Analytical Method: ASTM D3590-02B								
Total Kjeldahl Nitrogen	0.92 mg/L	1	0.10	0.40	6/12/2018 14:24	AMC		NUTR/1122
Analytical Method: EPA 365.4								
Total Phosphorus	0.28 mg/L	1	0.02	0.04	6/12/2018 15:43	AMC		NUTR/1124
Analytical Method: SM 4500PF								
Orthophosphate as P(Dissolved)	0.20 mg/L	1	0.01	0.04	6/7/2018 14:17	MLP		NUTR/1119
Analytical Method: SM 4500NH3H								
Ammonia	0.24 mg/L	1	0.01	0.04	6/8/2018 10:16	RRM		NUTR/1118
Analytical Method: SM 4500NO3F								
Nitrate+Nitrite (N)	0.12 mg/L	1	0.02	0.04	6/8/2018 10:16	RRM		NUTR/1117

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ANALYTICAL RESULTS

Workorder: 1800221

Lab ID: **180022108**
Sample ID: **13-05 18-04**

Date Received: 6/6/2018 15:15 Matrix: Surface Water
Date Collected: 6/6/2018 14:03

Parameters	Results Units	DF	LOD	LOQ	Analyzed	By	Qualifiers	QC Batch ID
Inorganics								
Analytical Method: SM 2130B								
Turbidity	1.1 NTU	1	0.1		6/7/2018 12:36	TMT		CHEM/1141
Analytical Method: SM 2540D								
Total Suspended Solids	2 mg/L	1	1		6/8/2018 09:20	KAV		CHEM/1149
I - Final, dried residue < 2.5 mg as req'd by method								
Analytical Method: SM 10200H								
Chlorophyll a (Corrected)	1.9 mg/m3	1	0.5		6/8/2018 15:07	QAC		CHEM/1144
Chlorophyll a (Uncorrected)	3.5 mg/m3	1	0.5		6/8/2018 15:07	QAC		CHEM/1144
Chlorophyll b	0.5 U mg/m3	1	0.5		6/8/2018 15:07	QAC		CHEM/1144
Chlorophyll c	0.5 U mg/m3	1	0.5		6/8/2018 15:07	QAC		CHEM/1144
Pheophytin	2.7 mg/m3	1	0.5		6/8/2018 15:07	QAC		CHEM/1144
Analytical Method: SM 5210B								
Biochemical Oxygen Demand	1.2 l mg/L	1	0.5	2.0	6/7/2018 11:53	JDH	J	CHEM/1143
J - Standard exceeded accuracy limits								
Microbiology								
Analytical Method: SM 9223B								
E. coli	217 MPN/100mL	2	2		6/6/2018 16:01	KDP		MIC/1105
Nutrients								
Analytical Method: ASTM D3590-02B								
Total Kjeldahl Nitrogen	0.78 mg/L	1	0.10	0.40	6/12/2018 14:25	AMC		NUTR/1122
Analytical Method: EPA 365.4								
Total Phosphorus	0.15 mg/L	1	0.02	0.04	6/12/2018 15:44	AMC		NUTR/1124
Analytical Method: SM 4500PF								
Orthophosphate as P(Dissolved)	0.10 mg/L	1	0.01	0.04	6/7/2018 14:18	MLP		NUTR/1119
Analytical Method: SM 4500NH3H								
Ammonia	0.09 mg/L	1	0.01	0.04	6/8/2018 10:17	RRM		NUTR/1118
Analytical Method: SM 4500NO3F								
Nitrate+Nitrite (N)	0.13 mg/L	1	0.02	0.04	6/8/2018 10:17	RRM		NUTR/1117

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ANALYTICAL RESULTS

Workorder: 1800221

Lab ID: **180022109** Date Received: 6/6/2018 16:18 Matrix: Surface Water
Sample ID: **14-02 18-04** Date Collected: 6/6/2018 14:52

Parameters	Results Units	DF	LOD	LOQ	Analyzed	By	Qualifiers	QC Batch ID
Inorganics								
Analytical Method: SM 2120B								
Color	35 PCU	1	5		6/7/2018 08:57	KDP		CHEM/1142
Analytical Method: SM 2130B								
Turbidity	1.0 NTU	1	0.1		6/7/2018 12:36	TMT		CHEM/1141
Analytical Method: SM 2540D								
Total Suspended Solids	2 mg/L	1	1		6/8/2018 09:20	KAV		CHEM/1149
I - Final, dried residue < 2.5 mg as req'd by method								
Analytical Method: SM 2320B								
* pH	7.9 SU	1			6/8/2018 13:03	QAC		CHEM/1152
Total Alkalinity	50 mg/L as CaCO ₃	1	1	4	6/8/2018 13:03	QAC		CHEM/1152
Phenolphthalein Alkalinity	0 mg/L as CaCO ₃	1	0		6/8/2018 13:03	QAC		CHEM/1152
Bicarbonate Alkalinity	50 mg/L as CaCO ₃	1	1		6/8/2018 13:03	QAC		CHEM/1152
Carbonate Alkalinity	0 mg/L as CaCO ₃	1	0		6/8/2018 13:03	QAC		CHEM/1152
Analytical Method: SM 10200H								
Chlorophyll a (Corrected)	2.7 mg/m3	1	0.5		6/8/2018 15:07	QAC		CHEM/1144
Chlorophyll a (Uncorrected)	2.7 mg/m3	1	0.5		6/8/2018 15:07	QAC		CHEM/1144
Chlorophyll b	0.5 U mg/m3	1	0.5		6/8/2018 15:07	QAC		CHEM/1144
Chlorophyll c	0.5 U mg/m3	1	0.5		6/8/2018 15:07	QAC		CHEM/1144
Pheophytin	0.5 U mg/m3	1	0.5		6/8/2018 15:07	QAC		CHEM/1144
Analytical Method: SM 5210B								
Biochemical Oxygen Demand	1.0 l mg/L	1	0.5	2.0	6/7/2018 11:53	JDH	J	CHEM/1143
J - Standard exceeded accuracy limits								
Microbiology								
Analytical Method: SM 9223B								
E. coli	5 MPN/100mL	1	1		6/6/2018 16:17	KDP		MIC/1105
Nutrients								
Analytical Method: ASTM D3590-02B								
Total Kjeldahl Nitrogen	0.72 mg/L	1	0.10	0.40	6/12/2018 14:26	AMC		NUTR/1122
Analytical Method: EPA 365.4								
Total Phosphorus	0.02 l mg/L	1	0.02	0.04	6/12/2018 15:45	AMC		NUTR/1124

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ANALYTICAL RESULTS

Workorder: 1800221

Lab ID: **180022109**
Sample ID: **14-02 18-04**

Date Received: 6/6/2018 16:18
Date Collected: 6/6/2018 14:52
Matrix: Surface Water

Parameters	Results Units	DF	LOD	LOQ	Analyzed	By	Qualifiers	QC Batch ID
Analytical Method: SM 4500PF								
Orthophosphate as P(Dissolved)	0.01 U mg/L	1	0.01	0.04	6/7/2018 14:19	MLP		NUTR/1119
Analytical Method: SM 4500NH3H								
Ammonia	0.01 U mg/L	1	0.01	0.04	6/8/2018 10:18	RRM		NUTR/1118
Analytical Method: SM 4500NO3F								
Nitrate+Nitrite (N)	0.02 U mg/L	1	0.02	0.04	6/8/2018 10:18	RRM		NUTR/1117

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