Effluent Quality Assessment of Cape Canaveral WRF Brevard County NPDES # FL0020541 Sampled October 27, 2025

Division of Environmental Assessment and Restoration
Florida Department of Environmental Protection
February 2026

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Summary of Results

The effluent, collected as a single grab sample rather than the permit-specified four grabs over 24-hours, was not toxic to the marine organisms tested in the 96-hour acute definitive bioassays. For the nutrient levels present in the effluent sample, algal growth potential (AGP) tests suggest a potential for nutrient enrichment in freshwaters but not in marine receiving waters. There were nine organic constituents detected in the effluent grab sample.

Facility Overview

The Cape Canaveral WRF Facility is a wastewater treatment facility. The permit can be found in the DEP OCULUS, Document Management System. To access the permit directly, use this link and click the "Public OCULUS Login" button in the center of the webpage. (https://depedms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&[guid=38.1093868.1]&[profile=Permitting_Authorization]). As of July 12, 2018, the facility has been operating under a long form consent order OGC 18-0916 to reduce total nitrogen (TN) in the effluent. As of May 20, 2022, the facility has been operating under Administrative Order (AO) AO-IRB-22-001 which established a compliance schedule for reducing TN and total phosphorus (TP).

The effluent is intermittently discharged into Banana River, a Class III Marine Water [waterbody identification (WBID) 3057B] (Figure 1). The receiving water for this facility falls under the Estuary-Specific Numeric Interpretations of the Narrative Nutrient Criteria (NNC) for Banana River above 520 Causeway within the Indian River Lagoon System. For this region, the NNC, expressed as annual load, are 158 lb/year total phosphorus (TP), 2,151 lb/year total nitrogen (TN), and, expressed as annual geometric mean, 7.3 µg/L chlorophyll *a* (Subparagraph 62-302.532(1)(aa)(8), F.A.C. and subsection 62-304.520(10)(a), F.A.C.). For Class III predominantly marine waters, the daily average dissolved oxygen (DO) saturation shall not be below 42 percent in more than 10 percent of the values (Subsection 62-302.533(2), F.A.C.). This fifth year inspection (FYI) event only provides single sample results. It should be noted that waterbody impairment assessments are based on longer-term data, and individual exceedances of a criterion do not indicate use impairment.
http://ca.dep.state.fl.us/mapdirect/?focus=nutrientcriteria

Methods

All effluent grab samples were collected from EFD-01 for outfall D-001 on October 27, 2025. Some analyte collection points and permit limits were for EFA-01 or EFB-01. Analytes TP, TN, and CBOD were collected as grab samples instead of permit-specified 16-hr flow-proportioned composite samples. WET samples were collected as a single grab instead of four grabs over 24 hours, as specified in the permit, due to discharge duration. TRC was not measured in the field.

Samples were collected by Phil Kane, Higor Silverio, and Julio Cabrera (Central District). Analyses were performed by Eurofins Environmental Testing in Orlando and DEP Laboratory in Tallahassee.

All field and laboratory methods followed DEP Standard Operating Procedures (see https://floridadep.gov/dear/quality-assurance/content/dep-sops and https://floridadep.gov/dear/florida-dep-laboratory/content/dep-laboratory-quality-assurance-manual-and-sops for details) and met DEP quality assurance/quality control standards (see https://floridadep.gov/dear/quality-assurance). Explanations of specific methods and measurements can be found in Appendix B.

Class III Water Quality Criteria for Fresh and Marine Waters are found in Chapter 62-302, F.A.C. All references to Rule 62-302.530, F.A.C. are to the surface water quality criteria table with an effective date of 02/17/2016 and a notice identification number of 17115667.



Figure 1. Map of Facility and Discharge Location

Results

Physical and Chemical Parameters (See Table 1 and Appendices A, B, & C)

- All field measured effluent water quality parameters complied with Class III Water Quality Criteria for Marine Waters and effluent permit limits.

Analytical Water Chemistry (See Table 2 and Appendix A & C)

- All water chemistry analytes detected in the effluent grab samples at EFD-01 complied with Class III Water Quality Criteria for Marine Waters and met effluent grab or composite sample permit limits for EFD-01, EFA-01 or EFB-01.

Microbiology (See Table 2 and Appendix A & C)

- Effluent fecal coliform levels at EFD-01 complied with Class III Water Quality Criteria for Marine Waters and met the effluent permit limit for EFA-01.

- Effluent enterococci levels at EFD-01 complied with Class III Water Quality Criteria for Marine Waters and met the effluent permit limit for EFA-01.

Toxicity Whole Effluent Test (See Table 2 and Appendices A & C)

- Tests were performed October 28 through November 1, 2025.

- The sample was aerated for 20 minutes at a rate of approximately 100 bubbles per minute to decrease the dissolved oxygen (DO) from 9.3 mg/L to 8.0 mg/L.

- Acute bioassay results are reported as the Concentration Lethal to 50% of the test organisms (LC50).

- In a 96-hour acute definitive test of 100% effluent, mortality of <20% provides confidence that the effluent meets the acute toxicity criterion of Florida's Surface Water Quality Standards (Paragraph 62-302.500(1)(a), F.A.C.). Mortality between 20 and 50% indicates low to moderate levels of toxicity, and further action may be required. Mortality of >50% indicates that the effluent fails to meet the minimum requirement to discharge to waters of the state (Paragraph 62-4.244(3)(a), F.A.C.).

- For the 96-hour acute definitive test, the calculated LC50 for the water flea, *Ceriodaphnia dubia*, was >100% effluent with 5% mortality in 100% sample. The calculated LC50 for the fish, *Cyprinella leedsi*, was >100% effluent with 0% mortality in 100% sample. The effluent sample collected from D-001 was not toxic to either test species during the 96-hour acute definitive bioassays and met the effluent permit limits for EFD-1.

- For more information or to obtain copies of the toxicity bench sheets, please contact the Biology Laboratory at 850-245-8177.

Metals (See Table 3 and Appendix A & C)

- Effluent metals complied with Class III Water Quality Criteria for Marine Waters.
- There are no effluent permit limits for metals.

Algal Growth Potential (See Table 4 and Appendix A & C)

- The effluent Algal Growth Potential (AGP) was 10.1 mg dry wt/L of the freshwater unicellular green alga, *Raphidocelis subcapitata*. The effluent AGP result is within the AGP range (6.10 to 20.0 mg dry wt/L) suggested to be representative of high productivity for freshwater (Miller et al. 1978).
- An aliquot of the effluent AGP sample was salinity adjusted from an apparent salinity of approximately 0.54 ppth to a salinity of approximately 7.0 ppth by the addition of artificial sea salts to meet the salinity requirements of the test species *Dunaliella tertiolecta*.
- The salinity adjusted effluent AGP was below the method detection limit (MDL) of 3.0 mg dry wt/L. Raschke and Shultz (1987) determined that AGP values above 10.0 mg dry weight/L represent a "problem" threshold for marine receiving waters, implying nutrient enrichment.
- The analytical chemistry suggests that the effluent is ortho-phosphate limited (Miller et al. 1978).
- Comparing the measured and predicted AGP results, an inference can be made that not all the nutrients in the effluent were bio-available to the test species. To determine actual nutrient limitation, a limiting-nutrient algal growth potential test would need to be performed. Another possible explanation is the presence of toxicants can inhibit or prevent algal growth even when nutrients are not growth-limiting (Miller et al. 1978).

Organic Constituents (See Table 5 and Appendix A & C)

- Atrazine (herbicide), atrazine desethyl (herbicide), azoxystrobin (fungicide), chlorfenapyr (insecticide), fipronil desulfinyl (insecticide), fipronil sulfide (insecticide), loratadine (antihistamine), propiconazole (fungicide), and sulfentrazone (herbicide) were detected in the effluent grab sample.
- There are no effluent permit limits for organic constituents.
- Three of the organic constituents were herbicides, three were insecticides, two were fungicides, and one was an antihistamine.

Literature Cited

Miller, W. E., Greene, J. C., and Shiroyama, T. 1978. The *Selenastrum capricornutum* Printz algal assay bottle test. EPA600/9-78-018. U. S. EPA, Corvallis, Oregon. 126 p.

Raschke, R.L. and Schultz, D.A. 1987. The use of the algal growth potential test for data assessment. Journal Water Pollution Control Federation.

Stevenson, R. J. and Bahls, L. L. 1999. Periphyton protocols. Pp. 6.1-6.22 in: Rapid bioassessment protocols for use in wadeable streams and rivers. 2nd edition. By: M. T. Barbour, J. Gerritsen, B. D. Snyder and J. B. Stribling. EPA 841-B-99-002. U. S. Environmental Protection Agency, Office of Water, Washington, D. C.

USEPA. 1971. Algal Assay Procedure: Bottle Test. EPA950R71094 U. S. EPA, Corvallis, Oregon, 82 p.

USEPA. 1974. Marine Algal Assay Procedure: Bottle Test. EPA660375008 U. S. EPA, Corvallis, Oregon. 43 p.

USEPA. 2000. Nutrient Criteria Technical Guidance Manual – River and Streams. EPA-822-B-00-002.

Table 1. Measured field parameters

Effluent limits, Class III Water Quality Criteria for Marine Waters, and field parameters

Parameter	Units	Class III Criteria	Effluent Permit Limits	Effluent EFD-01
Temperature	C	-	-	24.7
pH	SU	6.5 - 8.5	6.5 - 8.5 s	7.3
Specific Conductance	µmhos/cm	-	-	1,128
Salinity	ppth	-	-	0.6 c
Dissolved Oxygen	% saturation	≥ 42	-	82.1 c
Dissolved Oxygen	mg/L	-	≥ 5.0	6.8
Total Residual Chlorine (Disinfection)	mg/L		≥ 1.0 (EFA-1)	-
Total Residual Chlorine (Dechlorination)	mg/L	≤ 0.01	≤ 0.01	0.07 U [1]

A dash (-) indicates sample/measurement was not collected or criterion/limit does not exist.
c - Value is calculated.
s - Single sample
1 - Measurement taken from the bioassay sample by DEP Lab staff using a Hach colorimeter with an MDL of 0.07 mg/L.

Table 2. Analytical water chemistry, microbiological, and toxicological data

Effluent limits, Class III Water Quality Criteria for Marine Waters, and analytical water chemistry, microbiological, and toxicological data

Analyte	Units	Class III Criteria	Effluent Permit Limits	Effluent Grab
Ortho-phosphate	mg P/L	-	-	0.049
Total Phosphorus	mg P/L	-	≤ 1.0 sp (EFA-01)	0.082
Total Ammonia Nitrogen	mg N/L	-	-	0.034
Un-ionized Ammonia (calculated salinity)	mg N/L	-	-	< 0.02 c
Nitrate and Nitrite	mg N/L	-	-	2.8
Total Kjeldahl Nitrogen	mg N/L	-	-	0.71
Organic Nitrogen	mg N/L	-	-	0.68 c
Total Nitrogen	mg N/L	-	≤ 6.0 sp (EFA-01)	3.5 c
Total Organic Carbon	mg C/L	-	-	5.1
Chlorophyll *a* - Corrected	µg/L	≤ 7.3 g	-	0.52 U
Phaeophytin	µg/L	-	-	0.63 U
CBOD, 5 day, N - inhibited	mg/L	-	≤ 10.0 sp (EFA-01)	2.0 UJ
Hardness	mg CaCO3/L	-	-	222 c
Total Suspended Solids	mg/L	-	≤ 5.0 s (EFB-01)	2 U
Turbidity	NTU	≤ 29 t	-	0.50 I
Color (true)	PCU	-	-	5.1 I
Alkalinity	mg CaCO3/L	-	-	113 A
Chloride	mg Cl/L	-	-	200
Fluoride	mg F/L	≤ 5.0	-	0.22
Sulfate	mg SO4/L	-	-	120
Fecal Coliforms	cfu/100 mL	-	≤ 25 s (EFA-01)	2 UQ
Enterococci	MPN/100 mL	≤ 130	≤ 130 (EFA-01)	10.0 UQ
Bioassay - Water flea *(Ceriodaphnia dubia)*	% effluent	-	≥ 100 s (EFD-01)	> 100
Bioassay - Fish *(Cyprinella leedsi)*	% effluent	-	≥ 100 s (EFD-01)	> 100

A dash (-) indicates sample/measurement was not collected or criterion/limit does not exist.
c - Value is calculated.
g - Value expressed as an annual geometric mean.
p - 16-hour flow proportioned composite
s - Single sample

t - Shall not exceed 29 NTUs above background.
A - Value reported is the mean of two or more determinations.
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J - Estimated value and/or the analysis did not meet established quality control criteria.
Q - Sample held beyond normal holding time.
U - Material analyzed for but not detected; value reported is the method detection limit.

Table 3. Analytical metals data

Effluent limits, Class III Water Quality Criteria for Marine Waters, and analytical metals data

Analyte	Units	Class III Criteria	Effluent Permit Limits	Effluent Grab
Aluminum	µg/L	≤ 1500	-	128
Arsenic	µg/L	≤ 50	-	0.69
Cadmium	µg/L	≤ 8.8	-	0.020 U
Calcium	mg/L	-	-	63.5
Chromium, Total [2]	µg/L	≤ 50	-	0.40 U
Copper	µg/L	≤ 3.7	-	0.44 I
Iron	µg/L	≤ 300	-	30 U
Lead	µg/L	≤ 8.5	-	0.20 U
Magnesium	mg/L	-	-	15.4
Nickel	µg/L	≤ 8.3	-	0.89 I
Potassium	mg/L	-	-	10.3
Selenium	µg/L	≤ 71	-	0.20 U
Silver	µg/L	≤ 2.3	-	0.010 U
Sodium	mg/L	-	-	141
Zinc	µg/L	≤ 86	-	9.7 I

A dash (-) indicates sample/measurement was not collected or criterion/limit does not exist.
2 - Class III Marine Water Quality Criterion (62-302.530(19)(b), F.A.C.) is for chromium-VI.
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U - Material analyzed for but not detected; value reported is the method detection limit.

Table 4. Algal Growth Potential (AGP)

Measured and predicted algal growth potential (AGP; mg dry weight/L) for total soluble inorganic nitrogen (TSIN), ortho-phosphate (OP), total nitrogen (TN) and total phosphorus (TP) limitation and ratios of nitrogen to phosphorus

Location	Test Species	AGP (measured)	Predicted AGP (TSIN) ± 20%	Predicted AGP (OP) ± 20%	Predicted AGP (TN) ± 20%	Predicted AGP (TP) ± 20%	Inorganic N:P ratio	Total N:P ratio
Effluent Grab	*Raphidocelis subcapitata*	10.0	110 ± 22	21 ± 4.2	130 ± 27	35 ± 7.1	57.8	42.8
Effluent Grab	*Dunaliella tertiolecta*	3.0 U *	not applicable [3]	not applicable [3]	not applicable [3]	not applicable [3]	57.8	42.8

* - Sample salinity adjusted to 7.0 ppth.

3 - Predictions not applicable to marine matrix.

U - Material analyzed for but not detected; value reported is the method detection limit.

Table 5. Detected Organic Constituents

Effluent limits, Class III Water Quality Criteria for Marine Waters, and analytical organic and pesticide data

Analyte	Units	Class III Criteria	Effluent Permit Limits	Effluent Grab
Atrazine	ng/L	-	-	5.0
Atrazine Desethyl	ng/L	-	-	4.1 I
Azoxystrobin	ng/L	-	-	4.7
Chlorfenapyr	ng/L	-	-	2.3
Fipronil Desulfinyl	ng/L	-	-	0.24 I
Fipronil Sulfide	ng/L	-	-	0.28 I
Loratadine	ng/L	-	-	4.7
Propiconazole	ng/L	-	-	0.90 I
Sulfentrazone	ng/L	-	-	17 J

A dash (-) indicates sample/measurement was not collected or criterion/limit does not exist.
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J - Estimated value and/or the analysis did not meet established quality control criteria.

Appendix A. Explanations of Measurements

Biological assessments are prepared by DEP staff to provide information for review of NPDES permit renewal applications. Biological assessments, in conjunction with other information concerning the subject facility and its receiving-water body, are used to determine appropriate permit conditions. References to Rule 62-302.530, F.A.C., are to the currently applicable surface water quality criteria table with an effective date of 02/17/2016 and a notice identification number of 17115667.

- **Chemical Analyses of the Effluent**

  The effluent was analyzed for nutrients, metals, organic constituents (base, neutral, and acid extractables) and pesticides following DEP SOPs. The results from these analyses were compared with Water Quality Criteria (Chapter 62-302, F.A.C.) and facility permit limits.

- **Chlorophyll a Content**

  Chlorophyll a content is an estimate of algal biomass. High algal biomass implies nutrient stress (Stevenson and Bahls 1999) and may constitute exceedances of Subsection 62-302.530(47), F.A.C., Paragraph 62-302.530(48)(a) F.A.C. and/or Paragraph 62-302.530(48)(b) F.A.C.

- **Bacteriological Testing**

  High levels of fecal indicator bacteria may constitute an exceedance of Subsection 62-302.530(6) and/or facility permit limits. *Escherichia coli* results are based on Most Probable Number (MPN) and shall not exceed 410 in 10% or more of the samples during any 30-day period (62-302.530(6)(b), F.A.C.). *Enterococci* results are based on Most Probable Number (MPN) and shall not exceed 130 in 10% or more of the samples during any 30-day period (62-302.530(6)(c), F.A.C.). If fewer than 10 samples are taken within a month for a given location, the Ten Percent Threshold Value (TPTV) is assessed as a single sample maximum. The results for fecal coliform by membrane filtration method are often based on colony counts outside the acceptable range (B-qualifier). The dilutions performed on the sample did not yield results within the method acceptable range of 20- 60 colony forming units per plate. The B-qualifier does not affect data quality.

- **Toxicity Bioassays**

  Greater than 50% mortality in an acute toxicity test may constitute an exceedance of Paragraph 62-302.500(1)(a) and/or facility permit limits. A 25% inhibition concentration (IC25) is the effluent concentration causing a 25% reduction in a biological response such as biomass or reproduction when compared to a control population. An IC25 of less than 100% in a chronic test may constitute exceedances of Subsection 62-302.530(20), Subsection 62-302.530(62) and/or facility permit limits. A no observed effect concentration (NOEC) less than 100% effluent in a chronic test may constitute an exceedance of Subsection 62-302.530(62) and/or facility permit limits. Standard reference toxicant (SRT) tests are conducted monthly to ensure quality in toxicity testing.

- **Algal Growth Potential (AGP)**

Algal growth potential (AGP) is a measure of nutrients available for algal growth (Miller et al. 1978; USEPA 1974). The AGP value is the peak growth of the alga within that 14-day period, recorded as mg dry weight/L. AGP. The protocol for marine waters (USEPA 1974) refers to the original 1971 Bottle Test procedure (USEPA 1971) for analysis interpretation. The 1971 Bottle Test was updated in 1978 (Miller et al. 1978). AGP results within the range 6.10 to 20.0 mg dry wt/L are suggested to be representative of high productivity for freshwaters (Miller et al. 1978). AGP values above 10.0 mg dry weight/L represent a "problem" threshold for marine receiving waters, implying nutrient enrichment (Raschke and Schultz 1987, personal communication). High AGP values may constitute exceedances of Subsection 62-302.530(47), F.A.C., Paragraph 62-302.530(48)(a), F.A.C. and/or Paragraph 62-302.530(48)(b), F.A.C.

The concentration of nutrients in a water sample may be used to calculate the expected yield of AGP under the assumption that other required nutrients (e.g. silicon, micronutrients) are present in excess (Miller *et al*. 1978). The expected amount of production is calculated as 38 times the total soluble inorganic nitrogen (nitrate and nitrite plus ammonia) under nitrogen limitation or 430 times the ortho-phosphate (OP) concentration under phosphorus limitation with an error of ± 20%. When the ratio of nitrogen to phosphorus (N: P) is less than 10:1, nitrogen limitation of algal production is likely. When the N: P ratio is 20:1 or greater, phosphorus limitation is likely (USEPA 2000). For ratios in-between, co-limitation may occur. Production of lower biomass than expected may be evidence of growth inhibition related to toxic compounds present in the water sample tested and may constitute an exceedance of Subsection 62-302.530(62), F.A.C. If a nutrient value is non-detect, predicted AGP and N:P ratio is calculated using ½ the method detection limit (MDL) for the non-detect value.

- **Definition of Qualifiers** (Rule 62-160.700, F.A.C.)

A - Value reported is the mean of two or more determinations.
B - Results based on colony counts outside the acceptable range.
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J - Estimated value and/or the analysis did not meet established quality control criteria.
K - Actual value is known to be less than value given.
L - Actual value is known to be greater than value given.
N - Presumptive evidence of presence of material.
O - Sampled, but analysis lost or not performed.
Q - Sample held beyond normal holding time.
T - Value reported is less than the criterion of detection.
U - Material was analyzed for but not detected. The reported value is the method detection limit for the sample analyzed.
V - Analyte was detected in both sample and method blank.
X - Too few individuals to calculate SCI value.
Y - The laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.
Z - Colonies were too numerous to count (TNTC).

Appendix B. Chain of Custody

Request Number: RQ-2025-10-13-41

FYI3 Cape Canaveral WRF (FL0020541) DW MI

Customer: CEN-DIST

Project ID: FYI3

Florida Department of Environmental Protection
Central Laboratory Submittal Form

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last revised Jan 25, 2018

Requester: Benjamin Nomann
Collected By: Kane, Silverio, Cabrera
Field Report Prepared By: Kane, Silverio, Cabrera
Sampling Agency: FDEP Central

Location: Cape Canaveral WRF 601 Thurm blvd Cape Canaveral, FL	☐ Comp ☑ Grab	Collection (comp begin or grab) Date 10/27/25 Time 8:42 AM	Eastern Central	Composite end Date Time JC	Bottle Group(s) (See pg 2): A				
Field ID: Cape C	Matrix (type, e.g., Salt, Fresh, etc): Effluent			Diss. Oxygen: 6.8 ☑ mg/L ☐ % sat	Total Res. Chlorine (mg/L)				
WIN/STORET #	Temp (C): 24.7	pH: 7.30		Sample Depth: Surface ☐ ft ☐ m	Sp. Conductance (umho/cm): 1128				
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments: sample pH checked 1005 Hana						
Location: Cape Canaveral WRF 601 Thurm blvd Cape Canaveral, FL	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 10/27/25 Time 9:25 AM	Eastern Central	Composite end Date Time JC	Bottle Group(s): B				
Field ID: Cape C	Matrix (type, e.g., Salt, Fresh, etc): Blank			Diss. Oxygen ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)				
WIN/STORET #	Temp (C)	pH		Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)				
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments: Blank pH checked less than 2						
Location	☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	Eastern Central	Composite end Date Time	Bottle Group(s)				
Field ID	Matrix (type, e.g., Salt, Fresh, etc)			Diss. Oxygen ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)				
WIN/STORET #	Temp (C)	pH		Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)				
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments						
Location	☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	Eastern Central	Composite end Date Time	Bottle Group(s)				
Field ID	Matrix (type, e.g., Salt, Fresh, etc)			Diss. Oxygen ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)				
WIN/STORET #	Temp (C)	pH		Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)				
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments						

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Kane	10/27/25	FDEX	1 JC	ABB	10/28/25 9:20

TOC Morgan Soper 10.28.25 0946

Request Number: RQ-2025-10-13-41

FYI3 Cape Canaveral WRF (FL0020541) DW MI

Customer: CEN-DIST

Project ID: FYI3

Florida Department of Environmental Protection
Central Laboratory Submittal Form

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last revised Jan 25, 2018

Requester: Benjamin Nomann

Collected By: Kane, Silverio, Cabrera

Field Report Prepared By: Kane, Silverio, Cabrera

Sampling Agency: FDEP central

Location: Cape Canaveral WRF 602 Thurm Blvd Cape Canaveral, FL	☐ Comp ☑ Grab	Collection (comp begin or grab) Date 10/27/25 Time 08:42 AM 0839 AM Eastern Central	Composite end Date ~~Time~~ HS			Bottle Group(s) (See pg 2): A
Field ID: CapeC	Matrix (type, e g , Salt, Fresh, etc): Effluent		Diss Oxygen ☐ mg/L ☐ % sat	Total Res Chlorine (mg/L)		
WIN/STORET #	Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp Conductance (umho/cm)		
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments			
Location	☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time Eastern Central	Composite end Date Time			Bottle Group(s)
Field ID	Matrix (type, e g , Salt, Fresh, etc)		Diss Oxygen ☐ mg/L ☐ % sat	Total Res Chlorine (mg/L)		
WIN/STORET #	Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp Conductance (umho/cm)		
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments			
Location	☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time Eastern Central	Composite end Date Time			Bottle Group(s)
Field ID	Matrix (type, e g , Salt, Fresh, etc)		Diss Oxygen ☐ mg/L ☐ % sat	Total Res Chlorine (mg/L)		
WIN/STORET #	Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp Conductance (umho/cm)		
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments			
Location	☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time Eastern Central	Composite end Date Time			Bottle Group(s)
Field ID	Matrix (type, e g , Salt, Fresh, etc)		Diss Oxygen ☐ mg/L ☐ % sat	Total Res Chlorine (mg/L)		
WIN/STORET #	Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp Conductance (umho/cm)		
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments			

Relinquished By	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By	Date/Time
Kane	10/27/25	Fedex			10/28/25 0915

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11/5/2025

Appendix C. Chemical Analysis of Effluent

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
10/27/2025 8:42	Effluent Grab	AGP/LN	Algal Growth Potential-Salinity Adjusted	3.0 U	mg DryWt/L	3.0	3.0
10/27/2025 8:42	Effluent Grab	AGP/LN	Algal Growth Potential	10.1	mg DryWt/L	0.3	0.9
10/27/2025 8:42	Effluent Grab	Chlorophyll/Grain Size/BOD	Chlorophyll-a, Corrected	0.52 U	µg/L	0.52	1.5
10/27/2025 8:42	Effluent Grab	Chlorophyll/Grain Size/BOD	Phaeophytin-a	0.63 U	µg/L	0.63	1.9
10/27/2025 8:42	Effluent Grab	Chlorophyll/Grain Size/BOD	Chlorophyll-a, Uncorrected	0.31 U	µg/L	0.31	0.92
10/27/2025 8:42	Effluent Grab	Microbiology	Fecal Coliforms-Membrane Filter	2 UQ	cfu/100 mL	2	2
10/27/2025 8:42	Effluent Grab	Microbiology	Enterococci-Quanti-Tray	10.0 UQ	MPN/100 mL	10	10
10/27/2025 8:42	Effluent Grab	Overflow	Carbonaceous Biochemical Oxygen Demand	2.0 UJ	mg/L	2.0	2.0
10/27/2025 8:42	Effluent Grab	Toxicology	Bioassay-Acute-Def-FW-Fish, LC50	100 L	LC50		
10/27/2025 8:42	Effluent Grab	Toxicology	Bioassay-Acute-Def-FW-C.dubia, LC50	100 L	LC50		
10/27/2025 8:42	Effluent Grab	Metals	Chromium	0.40 U	µg/L	0.40	1.6
10/27/2025 8:42	Effluent Grab	Metals	Nickel	0.89 I	µg/L	0.50	2.0
10/27/2025 8:42	Effluent Grab	Metals	Iron	30 U	µg/L	30	120
10/27/2025 8:42	Effluent Grab	Metals	Silver	0.010 U	µg/L	0.010	0.040
10/27/2025 8:42	Effluent Grab	Metals	Copper	0.44 I	µg/L	0.40	0.80
10/27/2025 8:42	Effluent Grab	Metals	Arsenic	0.69	µg/L	0.050	0.20
10/27/2025 8:42	Effluent Grab	Metals	Cadmium	0.020 U	µg/L	0.020	0.080
10/27/2025 8:42	Effluent Grab	Metals	Aluminum	128	µg/L	5.0	20
10/27/2025 8:42	Effluent Grab	Metals	Potassium	10.3	mg/L	0.30	1.2
10/27/2025 8:42	Effluent Grab	Metals	Sodium	141	mg/L	0.50	2.0
10/27/2025 8:42	Effluent Grab	Metals	Selenium	0.20 U	µg/L	0.20	0.80
10/27/2025 8:42	Effluent Grab	Metals	Lead	0.20 U	µg/L	0.20	0.40
10/27/2025 8:42	Effluent Grab	Metals	Calcium	63.5	mg/L	0.075	0.30
10/27/2025 8:42	Effluent Grab	Metals	Magnesium	15.4	mg/L	0.040	0.16
10/27/2025 8:42	Effluent Grab	Metals	Zinc	9.7 I	µg/L	5.0	20
10/27/2025 8:42	Effluent Grab	Nutrients	Organic Carbon	5.1	mg C/L	0.50	1.0
10/27/2025 8:42	Effluent Grab	Nutrients	TSS	2 U	mg/L	2.0	10
10/27/2025 8:42	Effluent Grab	Nutrients	Chloride	200	mg Cl/L	2.0	5.0
10/27/2025 8:42	Effluent Grab	Nutrients	Turbidity	0.50 I	NTU	0.10	1.0
10/27/2025 8:42	Effluent Grab	Nutrients	Total-P	0.082	mg P/L	0.010	0.050
10/27/2025 8:42	Effluent Grab	Nutrients	Kjeldahl Nitrogen	0.71	mg N/L	0.080	0.20
10/27/2025 8:42	Effluent Grab	Nutrients	NO2NO3-N	2.8	mg N/L	0.030	0.10

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
10/27/2025 8:42	Effluent Grab	Nutrients	Sulfate	120	mg SO4/L	2.0	5.0
10/27/2025 8:42	Effluent Grab	Nutrients	Color (true)	5.1 I	PCU	2.0	6.0
10/27/2025 8:42	Effluent Grab	Nutrients	Ammonia-N	0.034	mg N/L	0.0020	0.0050
10/27/2025 8:42	Effluent Grab	Nutrients	Total Alkalinity	113 A	mg CaCO3/L	0.65	2.5
10/27/2025 8:42	Effluent Grab	Nutrients	O-Phosphate-P	0.049	mg P/L	0.0040	0.010
10/27/2025 8:42	Effluent Grab	Nutrients	Fluoride	0.22	mg F/L	0.025	0.10
10/27/2025 8:42	Effluent Grab	Pesticides	Cyprodinil	0.20 U	ng/L	0.20	1.0
10/27/2025 8:42	Effluent Grab	Pesticides	Dimethomorph	3.0 U	ng/L	3.0	15
10/27/2025 8:42	Effluent Grab	Pesticides	Disulfoton	0.61 U	ng/L	0.61	3.0
10/27/2025 8:42	Effluent Grab	Pesticides	Ethion	0.30 UJ	ng/L	0.30	1.5
10/27/2025 8:42	Effluent Grab	Pesticides	Fenbuconazole	0.51 U	ng/L	0.51	2.5
10/27/2025 8:42	Effluent Grab	Pesticides	Fipronil Sulfone	0.25 U	ng/L	0.25	1.3
10/27/2025 8:42	Effluent Grab	Pesticides	Iprodione	0.51 U	ng/L	0.51	2.5
10/27/2025 8:42	Effluent Grab	Pesticides	Naled	2.5 U	ng/L	2.5	13
10/27/2025 8:42	Effluent Grab	Pesticides	Pendimethalin	1.7 U	ng/L	1.7	8.6
10/27/2025 8:42	Effluent Grab	Pesticides	Prometryn	0.35 U	ng/L	0.35	1.8
10/27/2025 8:42	Effluent Grab	Pesticides	Propiconazole	0.90 I	ng/L	0.61	3.0
10/27/2025 8:42	Effluent Grab	Pesticides	Pyraflufen Ethyl	0.30 U	ng/L	0.30	1.5
10/27/2025 8:42	Effluent Grab	Pesticides	Terbufos	0.20 U	ng/L	0.20	1.0
10/27/2025 8:42	Effluent Grab	Pesticides	Naproxen	0.0080 U	µg/L	0.0080	0.032
10/27/2025 8:42	Effluent Grab	Pesticides	Caffeine	7.6 U	ng/L	7.6	38
10/27/2025 8:42	Effluent Grab	Pesticides	Diazinon	0.13 U	ng/L	0.13	0.63
10/27/2025 8:42	Effluent Grab	Pesticides	Fenamiphos	0.46 U	ng/L	0.46	2.3
10/27/2025 8:42	Effluent Grab	Pesticides	Fluazifop-P-butyl	0.10 U	ng/L	0.10	0.51
10/27/2025 8:42	Effluent Grab	Pesticides	Fludioxonil	0.10 U	ng/L	0.10	0.51
10/27/2025 8:42	Effluent Grab	Pesticides	Myclobutanil	0.35 UJ	ng/L	0.35	1.8
10/27/2025 8:42	Effluent Grab	Pesticides	Parathion Ethyl	0.15 U	ng/L	0.15	0.76
10/27/2025 8:42	Effluent Grab	Pesticides	Tebuconazole	1.4 U	ng/L	1.4	7.1
10/27/2025 8:42	Effluent Grab	Pesticides	Atrazine Desethyl	4.1 I	ng/L	1.3	6.6
10/27/2025 8:42	Effluent Grab	Pesticides	Azinphos Methyl	3.0 U	ng/L	3.0	15
10/27/2025 8:42	Effluent Grab	Pesticides	Chlorfenapyr	2.3	ng/L	0.30	1.5
10/27/2025 8:42	Effluent Grab	Pesticides	EPTC	0.51 U	ng/L	0.51	2.5
10/27/2025 8:42	Effluent Grab	Pesticides	Dithiopyr	2.0 U	ng/L	2.0	10
10/27/2025 8:42	Effluent Grab	Pesticides	Flutolanil	0.10 U	ng/L	0.10	0.51

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
10/27/2025 8:42	Effluent Grab	Pesticides	Imazalil	0.66 U	ng/L	0.66	3.3
10/27/2025 8:42	Effluent Grab	Pesticides	Metalaxyl	0.51 U	ng/L	0.51	2.5
10/27/2025 8:42	Effluent Grab	Pesticides	Oxyfluorfen	0.20 U	ng/L	0.20	1.0
10/27/2025 8:42	Effluent Grab	Pesticides	Prodiamine	0.51 U	ng/L	0.51	2.5
10/27/2025 8:42	Effluent Grab	Pesticides	Pronamide	0.10 U	ng/L	0.10	0.51
10/27/2025 8:42	Effluent Grab	Pesticides	Simazine	0.25 U	ng/L	0.25	1.3
10/27/2025 8:42	Effluent Grab	Pesticides	Acetochlor	0.20 U	ng/L	0.20	1.0
10/27/2025 8:42	Effluent Grab	Pesticides	Coumaphos	1.1 U	ng/L	1.1	5.6
10/27/2025 8:42	Effluent Grab	Pesticides	Demeton	3.5 U	ng/L	3.5	18
10/27/2025 8:42	Effluent Grab	Pesticides	Fipronil Sulfide	0.28 I	ng/L	0.10	0.51
10/27/2025 8:42	Effluent Grab	Pesticides	Fonofos	0.15 U	ng/L	0.15	0.76
10/27/2025 8:42	Effluent Grab	Pesticides	Hexazinone	0.51 U	ng/L	0.51	2.5
10/27/2025 8:42	Effluent Grab	Pesticides	Prometon	3.0 U	ng/L	3.0	15
10/27/2025 8:42	Effluent Grab	Pesticides	Ametryn	2.5 U	ng/L	2.5	13
10/27/2025 8:42	Effluent Grab	Pesticides	Carbophenothion	0.51 U	ng/L	0.51	2.5
10/27/2025 8:42	Effluent Grab	Pesticides	Dimethenamid	0.10 U	ng/L	0.10	0.51
10/27/2025 8:42	Effluent Grab	Pesticides	Ethoprop	0.13 U	ng/L	0.13	0.63
10/27/2025 8:42	Effluent Grab	Pesticides	Etridiazole	0.10 U	ng/L	0.10	0.51
10/27/2025 8:42	Effluent Grab	Pesticides	Mevinphos	1.0 U	ng/L	1.0	5.1
10/27/2025 8:42	Effluent Grab	Pesticides	Napropamide	0.71 UJ	ng/L	0.71	3.5
10/27/2025 8:42	Effluent Grab	Pesticides	Norflurazon	1.0 U	ng/L	1.0	5.1
10/27/2025 8:42	Effluent Grab	Pesticides	Oxadiazon	0.35 U	ng/L	0.35	1.8
10/27/2025 8:42	Effluent Grab	Pesticides	Propanil	0.10 U	ng/L	0.10	0.51
10/27/2025 8:42	Effluent Grab	Pesticides	Propargite	0.81 U	ng/L	0.81	4.1
10/27/2025 8:42	Effluent Grab	Pesticides	Pyridaben	1.4 U	ng/L	1.4	7.1
10/27/2025 8:42	Effluent Grab	Pesticides	Thiobencarb	0.51 U	ng/L	0.51	2.5
10/27/2025 8:42	Effluent Grab	Pesticides	Atrazine	5.0	ng/L	0.20	1.0
10/27/2025 8:42	Effluent Grab	Pesticides	Carfentrazone Ethyl	0.15 U	ng/L	0.15	0.76
10/27/2025 8:42	Effluent Grab	Pesticides	Flumioxazin	3.0 U	ng/L	3.0	15
10/27/2025 8:42	Effluent Grab	Pesticides	Fluxapyroxad	0.25 U	ng/L	0.25	1.3
10/27/2025 8:42	Effluent Grab	Pesticides	Metolachlor	0.76 U	ng/L	0.76	3.8
10/27/2025 8:42	Effluent Grab	Pesticides	Molinate	0.25 U	ng/L	0.25	1.3
10/27/2025 8:42	Effluent Grab	Pesticides	Phorate	0.25 U	ng/L	0.25	1.3
10/27/2025 8:42	Effluent Grab	Pesticides	Alachlor	0.41 U	ng/L	0.41	2.0

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
10/27/2025 8:42	Effluent Grab	Pesticides	Azoxystrobin	4.7	ng/L	0.41	2.0
10/27/2025 8:42	Effluent Grab	Pesticides	Butylate	0.46 U	ng/L	0.46	2.3
10/27/2025 8:42	Effluent Grab	Pesticides	Chlorpyrifos Ethyl	0.30 U	ng/L	0.30	1.5
10/27/2025 8:42	Effluent Grab	Pesticides	Cyanazine	5.1 U	ng/L	5.1	25
10/27/2025 8:42	Effluent Grab	Pesticides	Fipronil Desulfinyl	0.24 I	ng/L	0.10	0.51
10/27/2025 8:42	Effluent Grab	Pesticides	Loratadine	4.7	ng/L	0.30	1.5
10/27/2025 8:42	Effluent Grab	Pesticides	Parathion Methyl	0.20 U	ng/L	0.20	1.0
10/27/2025 8:42	Effluent Grab	Pesticides	Stirophos	0.41 U	ng/L	0.41	3.2
10/27/2025 8:42	Effluent Grab	Pesticides	Sulfentrazone	17 J	ng/L	1.4	7.1
10/27/2025 8:42	Effluent Grab	Pesticides	Ibuprofen	0.080 U	µg/L	0.080	0.32
10/27/2025 8:42	Effluent Grab	Pesticides	Bromacil	0.61 U	ng/L	0.61	3.0
10/27/2025 8:42	Effluent Grab	Pesticides	Chlorpyrifos Methyl	0.10 U	ng/L	0.10	0.51
10/27/2025 8:42	Effluent Grab	Pesticides	Difenoconazole	0.61 U	ng/L	0.61	3.0
10/27/2025 8:42	Effluent Grab	Pesticides	Fipronil	0.20 U	ng/L	0.20	1.0
10/27/2025 8:42	Effluent Grab	Pesticides	Malathion	0.35 U	ng/L	0.35	1.8
10/27/2025 8:42	Effluent Grab	Pesticides	Metribuzin	0.41 U	ng/L	0.41	2.0
10/27/2025 8:42	Effluent Grab	Pesticides	Phenytoin	12 U	ng/L	12	61
10/27/2025 8:42	Effluent Grab	Pesticides	Pyriproxyfen	0.25 U	ng/L	0.25	1.6
10/27/2025 8:42	Effluent Grab	Pesticides	Terbuthylazine	0.20 U	ng/L	0.20	1.0
10/27/2025 8:42	Effluent Grab	Pesticides	Triadimefon	0.15 U	ng/L	0.15	0.76
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	2-Picoline	0.61 U	µg/L	0.61	2.5
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	4-Bromophenyl phenyl ether	0.072 U	µg/L	0.072	0.29
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Benzyl alcohol	0.31 U	µg/L	0.31	1.2
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Hexachloroethane	0.10 U	µg/L	0.10	0.41
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	N-Nitrosodi-n-propylamine	0.12 U	µg/L	0.12	0.49
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	N-Nitrosomethylethylamine	2.0 U	µg/L	2.0	8.2
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	N-Nitrosomorpholine	0.082 U	µg/L	0.082	0.33
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Naphthalene	0.10 U	µg/L	0.10	0.41
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	o-Cresol	0.20 UJ	µg/L	0.20	0.82
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Benzo(a)pyrene	0.082 U	µg/L	0.082	0.33
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Carbazole	0.10 U	µg/L	0.10	0.41
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Dibenzo(a,h)anthracene	0.51 U	µg/L	0.51	2.0
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Dimethyl phthalate	0.31 U	µg/L	0.31	1.2
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Isophorone	0.10 U	µg/L	0.10	0.41

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Isosafrole	0.10 U	µg/L	0.10	0.41
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	N-Nitrosodimethylamine	2.6 U	µg/L	2.6	10
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	2,3,4,6-Tetrachlorophenol	0.20 U	µg/L	0.20	0.82
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	2,4-Dichlorophenol	0.10 U	µg/L	0.10	0.41
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	3,3'-Dichlorobenzidine	4.1 UJ	µg/L	4.1	16
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	4-Nitrophenol	5.1 U	µg/L	5.1	20
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Acenaphthylene	0.082 U	µg/L	0.082	0.33
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Dimethylaminoazobenzene	0.41 U	µg/L	0.41	1.6
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Ethyl methanesulfonate	2.6 U	µg/L	2.6	10
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Hexachlorocyclopentadiene	0.20 U	µg/L	0.20	0.82
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	N-Nitrosodiethylamine	0.41 U	µg/L	0.41	1.6
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	1,2,4,5-Tetrachlorobenzene	0.072 U	µg/L	0.072	0.29
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	2-Acetylaminofluorene	0.82 U	µg/L	0.82	3.3
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	2-Methylnaphthalene	0.15 U	µg/L	0.15	0.61
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	2-Nitrophenol	0.10 U	µg/L	0.10	0.41
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	2,3,5-Trimethylnaphthalene	0.082 U	µg/L	0.082	0.33
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	2,4-Dimethylphenol	4.1 UJ	µg/L	4.1	16
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	2,4,5-Trichlorophenol	0.20 U	µg/L	0.20	0.82
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Benzidine	10 U	µg/L	10	41
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Benzo(b)fluoranthene	0.15 U	µg/L	0.15	0.61
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Bis(2-chloroethyl)ether	0.20 U	µg/L	0.20	0.82
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Bis(2-chloroisopropyl)ether	0.082 U	µg/L	0.082	0.33
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Chrysene	0.082 U	µg/L	0.082	0.33
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Dibenzothiophene	0.072 U	µg/L	0.072	0.29
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Hexachlorobutadiene	0.072 U	µg/L	0.072	0.29
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Hexachloropropene	0.082 U	µg/L	0.082	0.33
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	N-Nitrosodiphenylamine/ Diphenylamine	0.082 U	µg/L	0.082	0.33
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	o-Toluidine	0.41 UJ	µg/L	0.41	1.6
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Pyridine	4.1 U	µg/L	4.1	16
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	1,3,5-Trinitrobenzene	0.51 U	µg/L	0.51	2.0
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	2-Chlorophenol	0.10 U	µg/L	0.10	0.41
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	2,6-Dichlorophenol	0.10 U	µg/L	0.10	0.41
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	3-Methylcholanthrene	0.61 U	µg/L	0.61	2.5
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	4-Chlorophenyl phenyl ether	0.082 U	µg/L	0.082	0.33

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	7,12-Dimethylbenz(a)anthracene	0.051 U	µg/L	0.051	0.20
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Benzo(a)anthracene	0.10 U	µg/L	0.10	0.41
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Benzo(g,h,i)perylene	0.20 U	µg/L	0.20	0.82
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Biphenyl	0.082 U	µg/L	0.082	0.33
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Di-n-octyl phthalate	1.0 U	µg/L	1.0	4.1
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Diethyl phthalate	1.5 U	µg/L	1.5	6.1
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Hexachlorobenzene	0.061 U	µg/L	0.061	0.25
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Pentachloroethane	0.15 U	µg/L	0.15	0.61
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Phenanthrene	0.072 U	µg/L	0.072	0.29
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Safrole	0.082 U	µg/L	0.082	0.33
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	1-Methylphenanthrene	0.10 U	µg/L	0.10	0.41
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	2-Chloronaphthalene	0.082 U	µg/L	0.082	0.33
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	2-Nitroaniline	0.31 U	µg/L	0.31	1.2
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	2,4-Dinitrotoluene	0.15 U	µg/L	0.15	0.61
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	2,4,6-Trichlorophenol	0.51 U	µg/L	0.51	2.0
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	2,6-Dinitrotoluene	0.10 U	µg/L	0.10	0.41
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Acenaphthene	0.082 U	µg/L	0.082	0.33
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Acetophenone	0.10 U	µg/L	0.10	0.41
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Bis(2-ethylhexyl)adipate	0.61 U	µg/L	0.61	2.5
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Butyl benzyl phthalate	0.51 U	µg/L	0.51	2.0
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Dibenzofuran	0.082 U	µg/L	0.082	0.33
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Fluorene	0.082 U	µg/L	0.082	0.33
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Pentachloronitrobenzene	0.10 U	µg/L	0.10	0.41
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	1-Methylnaphthalene	0.15 U	µg/L	0.15	0.61
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	2,6-Dimethylnaphthalene	0.082 U	µg/L	0.082	0.33
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	4-Chloro-3-methylphenol	0.31 U	µg/L	0.31	1.2
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Aniline	1.2 UJ	µg/L	1.2	4.9
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Anthracene	0.061 U	µg/L	0.061	0.25
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Bis(2-ethylhexyl)phthalate	2.0 U	µg/L	2.0	8.2
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Di-n-butyl phthalate	3.1 U	µg/L	3.1	12
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Fluoranthene	0.10 U	µg/L	0.10	0.41
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Indeno(1,2,3-cd)pyrene	0.51 U	µg/L	0.51	2.0
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	N-Nitrosopyrrolidine	0.72 U	µg/L	0.72	2.9
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Pentachlorobenzene	0.061 U	µg/L	0.061	0.25

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Pentachlorophenol	2.0 U	µg/L	2.0	8.2
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Pyrene	0.10 U	µg/L	0.10	0.41
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	1,2,4-Trichlorobenzene	0.10 U	µg/L	0.10	0.41
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	1,3-Dinitrobenzene	0.51 U	µg/L	0.51	2.0
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	2-Methyl-4,6-dinitrophenol	3.1 U	µg/L	3.1	12
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	2,4-Dinitrophenol	10 U	µg/L	10	41
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Azobenzene/1,2-Diphenylhydrazine	0.061 U	µg/L	0.061	0.25
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Benzo(k)fluoranthene	0.072 U	µg/L	0.072	0.29
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Bis(2-chloroethoxy)methane	0.082 U	µg/L	0.082	0.33
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	m,p-Cresols	0.26 UJ	µg/L	0.26	1.0
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	N-Nitrosodi-n-butylamine	0.51 U	µg/L	0.51	2.0
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	N-Nitrosopiperidine	0.072 U	µg/L	0.072	0.29
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Nitrobenzene	0.10 U	µg/L	0.10	0.41
10/27/2025 8:42	Effluent Grab	Priority Organic Pollutants	Phenol	0.20 U	µg/L	0.20	0.82
10/27/2025 8:42	Effluent Grab	Nutrients	pH	7.30	SU		
10/27/2025 8:42	Effluent Grab	Nutrients	Temperature	24.7	C		
10/27/2025 8:42	Effluent Grab	Nutrients	Dissolved Oxygen mg/L	6.8	mg/L		
10/27/2025 8:42	Effluent Grab	Nutrients	Specific Conductance	1128	µmhos/cm		
10/27/2025 9:25	Field Blank	Metals	Zinc	5.0 U	µg/L	5.0	20
10/27/2025 9:25	Field Blank	Metals	Copper	0.40 U	µg/L	0.40	0.80
10/27/2025 9:25	Field Blank	Metals	Lead	0.20 U	µg/L	0.20	0.40
10/27/2025 9:25	Field Blank	Metals	Cadmium	0.020 U	µg/L	0.020	0.080
10/27/2025 9:25	Field Blank	Metals	Magnesium	0.040 U	mg/L	0.040	0.16
10/27/2025 9:25	Field Blank	Metals	Chromium	0.40 U	µg/L	0.40	1.6
10/27/2025 9:25	Field Blank	Metals	Arsenic	0.050 U	µg/L	0.050	0.20
10/27/2025 9:25	Field Blank	Metals	Silver	0.010 U	µg/L	0.010	0.040
10/27/2025 9:25	Field Blank	Metals	Aluminum	5.0 U	µg/L	5.0	20
10/27/2025 9:25	Field Blank	Metals	Potassium	0.30 U	mg/L	0.30	1.2
10/27/2025 9:25	Field Blank	Metals	Sodium	0.50 U	mg/L	0.50	2.0
10/27/2025 9:25	Field Blank	Metals	Selenium	0.20 U	µg/L	0.20	0.80
10/27/2025 9:25	Field Blank	Metals	Nickel	0.50 U	µg/L	0.50	2.0
10/27/2025 9:25	Field Blank	Metals	Iron	30 U	µg/L	30	120
10/27/2025 9:25	Field Blank	Metals	Calcium	0.075 U	mg/L	0.075	0.30
10/27/2025 9:25	Field Blank	Nutrients	O-Phosphate-P	0.004 U	mg P/L	0.0040	0.010

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
10/27/2025 9:25	Field Blank	Nutrients	Sulfate	0.20 U	mg SO4/L	0.20	0.50
10/27/2025 9:25	Field Blank	Nutrients	Chloride	0.20 U	mg Cl/L	0.20	0.50
10/27/2025 9:25	Field Blank	Nutrients	Total-P	0.002 U	mg P/L	0.0020	0.0050
10/27/2025 9:25	Field Blank	Nutrients	Fluoride	0.025 U	mg F/L	0.025	0.10
10/27/2025 9:25	Field Blank	Nutrients	Total Alkalinity	0.65 U	mg CaCO3/L	0.65	2.5
10/27/2025 9:25	Field Blank	Nutrients	Kjeldahl Nitrogen	0.080 U	mg N/L	0.080	0.20
10/27/2025 9:25	Field Blank	Nutrients	NO2NO3-N	0.003 U	mg N/L	0.0030	0.010
10/27/2025 9:25	Field Blank	Nutrients	Ammonia-N	0.002 U	mg N/L	0.0020	0.0050
10/27/2025 9:25	Field Blank	Nutrients	Organic Carbon	0.50 U	mg C/L	0.50	1.0
10/27/2025 9:25	Field Blank	Nutrients	Turbidity	0.10 U	NTU	0.10	1.0
10/27/2025 9:25	Field Blank	Nutrients	Color (true)	2.0 U	PCU	2.0	6.0
10/27/2025 9:25	Field Blank	Pesticides	Chlorfenapyr	0.31 U	ng/L	0.31	1.6
10/27/2025 9:25	Field Blank	Pesticides	Dimethenamid	0.10 U	ng/L	0.10	0.52
10/27/2025 9:25	Field Blank	Pesticides	Dimethomorph	3.1 U	ng/L	3.1	16
10/27/2025 9:25	Field Blank	Pesticides	Fipronil Sulfone	0.26 U	ng/L	0.26	1.3
10/27/2025 9:25	Field Blank	Pesticides	Imazalil	0.67 U	ng/L	0.67	3.4
10/27/2025 9:25	Field Blank	Pesticides	Molinate	0.26 U	ng/L	0.26	1.3
10/27/2025 9:25	Field Blank	Pesticides	Pyriproxyfen	0.26 U	ng/L	0.26	1.7
10/27/2025 9:25	Field Blank	Pesticides	Terbuthylazine	0.21 U	ng/L	0.21	1.0
10/27/2025 9:25	Field Blank	Pesticides	Azoxystrobin	0.41 U	ng/L	0.41	2.1
10/27/2025 9:25	Field Blank	Pesticides	Cyanazine	5.2 U	ng/L	5.2	26
10/27/2025 9:25	Field Blank	Pesticides	Cyprodinil	0.21 U	ng/L	0.21	1.0
10/27/2025 9:25	Field Blank	Pesticides	Thiobencarb	0.52 U	ng/L	0.52	2.6
10/27/2025 9:25	Field Blank	Pesticides	EPTC	0.52 U	ng/L	0.52	2.6
10/27/2025 9:25	Field Blank	Pesticides	Fluazifop-P-butyl	0.10 U	ng/L	0.10	0.52
10/27/2025 9:25	Field Blank	Pesticides	Parathion Ethyl	0.16 U	ng/L	0.16	0.78
10/27/2025 9:25	Field Blank	Pesticides	Phenytoin	12 U	ng/L	12	62
10/27/2025 9:25	Field Blank	Pesticides	Prometryn	0.36 U	ng/L	0.36	1.8
10/27/2025 9:25	Field Blank	Pesticides	Propargite	0.83 U	ng/L	0.83	4.1
10/27/2025 9:25	Field Blank	Pesticides	Pyridaben	1.4 U	ng/L	1.4	7.2
10/27/2025 9:25	Field Blank	Pesticides	Naproxen	0.0080 U	µg/L	0.0080	0.032
10/27/2025 9:25	Field Blank	Pesticides	Alachlor	0.41 U	ng/L	0.41	2.1
10/27/2025 9:25	Field Blank	Pesticides	Atrazine	0.21 U	ng/L	0.21	1.0
10/27/2025 9:25	Field Blank	Pesticides	Atrazine Desethyl	1.3 U	ng/L	1.3	6.7

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
10/27/2025 9:25	Field Blank	Pesticides	Caffeine	7.8 U	ng/L	7.8	39
10/27/2025 9:25	Field Blank	Pesticides	Diazinon	0.13 U	ng/L	0.13	0.65
10/27/2025 9:25	Field Blank	Pesticides	Iprodione	0.52 U	ng/L	0.52	2.6
10/27/2025 9:25	Field Blank	Pesticides	Oxadiazon	0.36 U	ng/L	0.36	1.8
10/27/2025 9:25	Field Blank	Pesticides	Pendimethalin	1.8 U	ng/L	1.8	8.8
10/27/2025 9:25	Field Blank	Pesticides	Propanil	0.10 U	ng/L	0.10	0.52
10/27/2025 9:25	Field Blank	Pesticides	Simazine	0.26 U	ng/L	0.26	1.3
10/27/2025 9:25	Field Blank	Pesticides	Bromacil	0.62 U	ng/L	0.62	3.1
10/27/2025 9:25	Field Blank	Pesticides	Carfentrazone Ethyl	0.16 U	ng/L	0.16	0.78
10/27/2025 9:25	Field Blank	Pesticides	Chlorpyrifos Ethyl	0.31 U	ng/L	0.31	1.6
10/27/2025 9:25	Field Blank	Pesticides	Demeton	3.6 U	ng/L	3.6	18
10/27/2025 9:25	Field Blank	Pesticides	Ethoprop	0.13 U	ng/L	0.13	0.65
10/27/2025 9:25	Field Blank	Pesticides	Fenbuconazole	0.52 U	ng/L	0.52	2.6
10/27/2025 9:25	Field Blank	Pesticides	Fipronil Sulfide	0.10 U	ng/L	0.10	0.52
10/27/2025 9:25	Field Blank	Pesticides	Flutolanil	0.10 U	ng/L	0.10	0.52
10/27/2025 9:25	Field Blank	Pesticides	Fluxapyroxad	0.26 U	ng/L	0.26	1.3
10/27/2025 9:25	Field Blank	Pesticides	Malathion	0.36 U	ng/L	0.36	1.8
10/27/2025 9:25	Field Blank	Pesticides	Myclobutanil	0.36 UJ	ng/L	0.36	1.8
10/27/2025 9:25	Field Blank	Pesticides	Propiconazole	0.62 U	ng/L	0.62	3.1
10/27/2025 9:25	Field Blank	Pesticides	Triadimefon	0.16 U	ng/L	0.16	0.78
10/27/2025 9:25	Field Blank	Pesticides	Disulfoton	0.62 U	ng/L	0.62	3.1
10/27/2025 9:25	Field Blank	Pesticides	Ethion	0.31 UJ	ng/L	0.31	1.6
10/27/2025 9:25	Field Blank	Pesticides	Fonofos	0.16 U	ng/L	0.16	0.78
10/27/2025 9:25	Field Blank	Pesticides	Loratadine	0.31 U	ng/L	0.31	1.6
10/27/2025 9:25	Field Blank	Pesticides	Metalaxyl	0.52 U	ng/L	0.52	2.6
10/27/2025 9:25	Field Blank	Pesticides	Metolachlor	0.78 U	ng/L	0.78	3.9
10/27/2025 9:25	Field Blank	Pesticides	Metribuzin	0.41 U	ng/L	0.41	2.1
10/27/2025 9:25	Field Blank	Pesticides	Parathion Methyl	0.21 U	ng/L	0.21	1.0
10/27/2025 9:25	Field Blank	Pesticides	Stirophos	0.41 U	ng/L	0.41	3.3
10/27/2025 9:25	Field Blank	Pesticides	Sulfentrazone	1.4 UJ	ng/L	1.4	7.2
10/27/2025 9:25	Field Blank	Pesticides	Tebuconazole	1.4 U	ng/L	1.4	7.2
10/27/2025 9:25	Field Blank	Pesticides	Terbufos	0.21 U	ng/L	0.21	1.0
10/27/2025 9:25	Field Blank	Pesticides	Ibuprofen	0.080 U	µg/L	0.080	0.32
10/27/2025 9:25	Field Blank	Pesticides	Chlorpyrifos Methyl	0.10 U	ng/L	0.10	0.52

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
10/27/2025 9:25	Field Blank	Pesticides	Fenamiphos	0.47 U	ng/L	0.47	2.3
10/27/2025 9:25	Field Blank	Pesticides	Fludioxonil	0.10 U	ng/L	0.10	0.52
10/27/2025 9:25	Field Blank	Pesticides	Flumioxazin	3.1 U	ng/L	3.1	16
10/27/2025 9:25	Field Blank	Pesticides	Norflurazon	1.0 U	ng/L	1.0	5.2
10/27/2025 9:25	Field Blank	Pesticides	Phorate	0.26 U	ng/L	0.26	1.3
10/27/2025 9:25	Field Blank	Pesticides	Pronamide	0.10 U	ng/L	0.10	0.52
10/27/2025 9:25	Field Blank	Pesticides	Acetochlor	0.21 U	ng/L	0.21	1.0
10/27/2025 9:25	Field Blank	Pesticides	Azinphos Methyl	3.1 U	ng/L	3.1	16
10/27/2025 9:25	Field Blank	Pesticides	Butylate	0.47 U	ng/L	0.47	2.3
10/27/2025 9:25	Field Blank	Pesticides	Carbophenothion	0.52 U	ng/L	0.52	2.6
10/27/2025 9:25	Field Blank	Pesticides	Coumaphos	1.1 U	ng/L	1.1	5.7
10/27/2025 9:25	Field Blank	Pesticides	Difenoconazole	0.62 U	ng/L	0.62	3.1
10/27/2025 9:25	Field Blank	Pesticides	Etridiazole	0.10 U	ng/L	0.10	0.52
10/27/2025 9:25	Field Blank	Pesticides	Hexazinone	0.52 U	ng/L	0.52	2.6
10/27/2025 9:25	Field Blank	Pesticides	Naled	2.6 U	ng/L	2.6	13
10/27/2025 9:25	Field Blank	Pesticides	Napropamide	0.72 UJ	ng/L	0.72	3.6
10/27/2025 9:25	Field Blank	Pesticides	Prodiamine	0.52 U	ng/L	0.52	2.6
10/27/2025 9:25	Field Blank	Pesticides	Prometon	3.1 U	ng/L	3.1	16
10/27/2025 9:25	Field Blank	Pesticides	Pyraflufen Ethyl	0.31 U	ng/L	0.31	1.6
10/27/2025 9:25	Field Blank	Pesticides	Ametryn	2.6 U	ng/L	2.6	13
10/27/2025 9:25	Field Blank	Pesticides	Dithiopyr	2.1 U	ng/L	2.1	10
10/27/2025 9:25	Field Blank	Pesticides	Fipronil	0.21 U	ng/L	0.21	1.0
10/27/2025 9:25	Field Blank	Pesticides	Fipronil Desulfinyl	0.10 U	ng/L	0.10	0.52
10/27/2025 9:25	Field Blank	Pesticides	Mevinphos	1.0 U	ng/L	1.0	5.2
10/27/2025 9:25	Field Blank	Pesticides	Oxyfluorfen	0.21 U	ng/L	0.21	1.0
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Pentachloroethane	0.15 U	µg/L	0.15	0.61
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	1,2,4,5-Tetrachlorobenzene	0.071 U	µg/L	0.071	0.29
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	2-Chlorophenol	0.10 U	µg/L	0.10	0.41
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	3,3'-Dichlorobenzidine	4.1 U	µg/L	4.1	16
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Benzo(a)anthracene	0.10 U	µg/L	0.10	0.41
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Bis(2-chloroethyl)ether	0.20 U	µg/L	0.20	0.81
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Butyl benzyl phthalate	0.51 U	µg/L	0.51	2.0
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Naphthalene	0.10 U	µg/L	0.10	0.41
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	o-Cresol	0.20 UJ	µg/L	0.20	0.81

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Pentachlorophenol	2.0 U	µg/L	2.0	8.1
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	1,3-Dinitrobenzene	0.51 U	µg/L	0.51	2.0
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	2-Acetylaminofluorene	0.81 U	µg/L	0.81	3.3
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	2-Nitrophenol	0.10 U	µg/L	0.10	0.41
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	2-Picoline	0.61 U	µg/L	0.61	2.4
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	2,3,4,6-Tetrachlorophenol	0.20 U	µg/L	0.20	0.81
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Aniline	1.2 UJ	µg/L	1.2	4.9
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Bis(2-chloroethoxy)methane	0.081 U	µg/L	0.081	0.33
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Bis(2-ethylhexyl)adipate	0.61 U	µg/L	0.61	2.4
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Di-n-butyl phthalate	3.1 U	µg/L	3.1	12
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Hexachlorocyclopentadiene	0.20 U	µg/L	0.20	0.81
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Indeno(1,2,3-cd)pyrene	0.51 U	µg/L	0.51	2.0
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Phenol	0.20 U	µg/L	0.20	0.81
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	1-Methylnaphthalene	0.15 U	µg/L	0.15	0.61
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Acenaphthene	0.081 U	µg/L	0.081	0.33
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Anthracene	0.061 U	µg/L	0.061	0.24
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Carbazole	0.10 U	µg/L	0.10	0.41
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Dibenzothiophene	0.071 U	µg/L	0.071	0.29
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	N-Nitrosodiethylamine	0.41 U	µg/L	0.41	1.6
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	N-Nitrosodiphenylamine/ Diphenylamine	0.081 U	µg/L	0.081	0.33
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	N-Nitrosomorpholine	0.081 U	µg/L	0.081	0.33
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	N-Nitrosopyrrolidine	0.71 U	µg/L	0.71	2.9
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Nitrobenzene	0.10 U	µg/L	0.10	0.41
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	2-Methyl-4,6-dinitrophenol	3.1 U	µg/L	3.1	12
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	2-Methylnaphthalene	0.15 U	µg/L	0.15	0.61
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	2,3,5-Trimethylnaphthalene	0.081 U	µg/L	0.081	0.33
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	2,6-Dinitrotoluene	0.10 U	µg/L	0.10	0.41
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	7,12-Dimethylbenz(a)anthracene	0.051 U	µg/L	0.051	0.20
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Chrysene	0.081 U	µg/L	0.081	0.33
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Dibenzo(a,h)anthracene	0.51 U	µg/L	0.51	2.0
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Dimethylaminoazobenzene	0.41 U	µg/L	0.41	1.6
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Hexachlorobenzene	0.061 U	µg/L	0.061	0.24
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Isophorone	0.10 U	µg/L	0.10	0.41
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Pentachloronitrobenzene	0.10 U	µg/L	0.10	0.41

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Pyrene	0.10 U	µg/L	0.10	0.41
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	1-Methylphenanthrene	0.10 U	µg/L	0.10	0.41
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	4-Nitrophenol	5.1 U	µg/L	5.1	20
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Acetophenone	0.10 U	µg/L	0.10	0.41
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Benzo(a)pyrene	0.081 U	µg/L	0.081	0.33
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Benzo(g,h,i)perylene	0.20 U	µg/L	0.20	0.81
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Benzo(k)fluoranthene	0.071 U	µg/L	0.071	0.29
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Dimethyl phthalate	0.31 U	µg/L	0.31	1.2
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Hexachlorobutadiene	0.071 U	µg/L	0.071	0.29
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Phenanthrene	0.071 U	µg/L	0.071	0.29
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	1,2,4-Trichlorobenzene	0.10 U	µg/L	0.10	0.41
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	2,4,6-Trichlorophenol	0.51 U	µg/L	0.51	2.0
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	2,6-Dimethylnaphthalene	0.081 U	µg/L	0.081	0.33
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	3-Methylcholanthrene	0.61 U	µg/L	0.61	2.4
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	4-Bromophenyl phenyl ether	0.071 U	µg/L	0.071	0.29
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	4-Chloro-3-methylphenol	0.31 U	µg/L	0.31	1.2
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	4-Chlorophenyl phenyl ether	0.081 U	µg/L	0.081	0.33
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Acenaphthylene	0.081 U	µg/L	0.081	0.33
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Diethyl phthalate	1.5 U	µg/L	1.5	6.1
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Fluoranthene	0.10 U	µg/L	0.10	0.41
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Hexachloroethane	0.10 U	µg/L	0.10	0.41
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	N-Nitrosodi-n-butylamine	0.51 U	µg/L	0.51	2.0
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Pyridine	4.1 U	µg/L	4.1	16
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Safrole	0.081 U	µg/L	0.081	0.33
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	2-Chloronaphthalene	0.081 U	µg/L	0.081	0.33
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	2,4-Dichlorophenol	0.10 U	µg/L	0.10	0.41
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Benzidine	10 U	µg/L	10	41
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Bis(2-chloroisopropyl)ether	0.081 U	µg/L	0.081	0.33
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Bis(2-ethylhexyl)phthalate	2.0 U	µg/L	2.0	8.1
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Di-n-octyl phthalate	1.0 U	µg/L	1.0	4.1
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Fluorene	0.081 U	µg/L	0.081	0.33
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Isosafrole	0.10 U	µg/L	0.10	0.41
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	m,p-Cresols	0.25 UJ	µg/L	0.25	1.0
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	N-Nitrosodi-n-propylamine	0.12 U	µg/L	0.12	0.49

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	N-Nitrosomethylethylamine	2.0 U	µg/L	2.0	8.1
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Pentachlorobenzene	0.061 U	µg/L	0.061	0.24
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	1,3,5-Trinitrobenzene	0.51 U	µg/L	0.51	2.0
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	2-Nitroaniline	0.31 U	µg/L	0.31	1.2
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	2,4-Dimethylphenol	4.1 UJ	µg/L	4.1	16
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	2,4-Dinitrophenol	10 U	µg/L	10	41
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	2,4-Dinitrotoluene	0.15 U	µg/L	0.15	0.61
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	2,4,5-Trichlorophenol	0.20 U	µg/L	0.20	0.81
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	2,6-Dichlorophenol	0.10 U	µg/L	0.10	0.41
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Azobenzene/1,2-Diphenylhydrazine	0.061 U	µg/L	0.061	0.24
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Benzo(b)fluoranthene	0.15 U	µg/L	0.15	0.61
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Benzyl alcohol	0.31 U	µg/L	0.31	1.2
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Biphenyl	0.081 U	µg/L	0.081	0.33
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Dibenzofuran	0.081 U	µg/L	0.081	0.33
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Ethyl methanesulfonate	2.5 U	µg/L	2.5	10
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	Hexachloropropene	0.081 U	µg/L	0.081	0.33
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	N-Nitrosodimethylamine	2.5 U	µg/L	2.5	10
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	N-Nitrosopiperidine	0.071 U	µg/L	0.071	0.29
10/27/2025 9:25	Field Blank	Priority Organic Pollutants	o-Toluidine	0.41 UJ	µg/L	0.41	1.6