Effluent Quality Assessment of Cape Canaveral Energy Center Brevard County NPDES # FL0001473 Sampled March 17, 2025

Division of Environmental Assessment and Restoration
Florida Department of Environmental Protection
May 2025

DEP Laboratory, Biology Program
2600 Blair Stone Road, MS 6515
Tallahassee, FL 32399-2400
www.floridadep.gov

Contents

Summary of Results....3
Facility Overview....3
Methods....3
Results....6
Literature Cited....8
Appendix A. Explanations of Measurements....13
Appendix B. Chain of Custody....15
Appendix C. Chemical Analysis of Effluent....16

List of Tables

Table 1. Measured field parameters.... 9
Table 2. Analytical water chemistry, microbiological, and toxicological data.... 10
Table 3. Analytical metals data.... 11
Table 4. Algal Growth Potential (AGP).... 12

List of Figures

Figure 1. Map of Facility and Discharge Location.... 5

Summary of Results

All analytes measured in the effluent at EFF-2 complied with the Class II Water Quality Criteria for Marine Waters and effluent permit limits. The effluent sample was not toxic to the marine organisms tested in the acute toxicity bioassays. The marine algal growth potential (AGP) and nutrient results do not suggest a potential for nutrient enrichment of the receiving waters. There was one organic constituent detected in the effluent grab sample.

Facility Overview

The Cape Canaveral Energy Center is an industrial 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=38.1149374.1]&[profile=Permitting_Authorization]

The effluent is continuously discharged into the Indian River Lagoon, a Class II Marine Water [waterbody identification (WBID) 2963D1] (Figure 1). Receiving waters for this facility fall under the Estuary-Specific Numeric Interpretations of the Narrative Nutrient Criteria (NNC) for the North Indian River Lagoon region and the Indian River Lagoon total maximum daily load (TMDL). The wasteload allocation for this facility, expressed as annual load, is 146 lbs/year total phosphorus and 2,555 lbs/year total nitrogen (Paragraph 62-304.520(5)(a), F.A.C.). The NNC, expressed as an annual geometric mean, is 6.4 µg/L chlorophyll *a* (Subparagraph 62-302.532(1)(aa)6., F.A.C.). For Class II 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 abbreviated 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

Effluent grab samples were collected from monitoring site location EFF-2, for outfall D-012 on March 17, 2025. The permit specifies chronic whole effluent toxicity testing using 24-hour composite samples, but the district requested acute whole effluent toxicity testing with grab samples.

Samples were collected by Phil Kane and Robert Hill (Central District). Analyses were performed by the 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 II 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 B & C)

- All field measured effluent water quality parameters complied with Class II Water Quality Criteria for Marine Waters.

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

- All water chemistry analytes detected in the effluent grab sample complied with Class II Water Quality Criteria for Marine Waters.

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

- Tests were performed March 18 through March 22, 2025.

- The sample was aerated for 10 minutes at a rate of approximately 100 bubbles per minute to decrease the dissolved oxygen (DO) from 10.26 mg/L to 8.01 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 less than 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 greater than 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 mysid shrimp, *Americamysis bahia*, was greater than 100% effluent with 5% mortality in 100% sample. The calculated LC50 for the fish, *Menidia beryllina*, was greater than 100% effluent with 0% mortality in 100% sample. The effluent sample was not toxic to either test species during the 96-hour acute definitive bioassays.

- 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 C)

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

- Copper was detected in the field blank between the method detection limit (MDL) and the practical quantitation limit (PQL). Nickel was also detected in the field blank.

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

- The marine species, *Dunaliella tertiolecta*, was used to determine the AGP values in the effluent grab samples.

- Orthophosphate was not detected in the effluent sample, therefore ½ the MDL was used for orthophosphate in the calculation for inorganic nitrogen to phosphorus ratio. Both the inorganic N:P ratio and the total N:P ratio suggest that the effluent is ortho-phosphate limited (Miller et al. 1978).

Organic Constituents (See Appendix C)

- Atrazine (herbicide) was detected in the effluent grab sample with a result of 5.4 ng/L.

- There are no effluent permit limits for organic constituents.

Literature Cited

Miller, W. E., Greene, J. C., and Shiroyama T. 1978. The *Selenastrum capricornutum* Printz algal assay bottle test. EPA600/978-018. U. S. EPA, Cincinnati, Ohio. 126 p

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

Table 1. Measured field parameters

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

Parameter	Units	Class II Criteria	Effluent Permit Limits	Effluent EFF-2
Temperature	C	-	Report	29.0
pH	SU	6.5 - 8.5	-	7.9
Specific Conductance	µmhos/cm	-	-	38,620
Salinity	ppt	-	-	20 c
Dissolved Oxygen	% saturation	≥ 42	Report	85.4 c
Dissolved Oxygen	mg/L	-	Report	5.8

A dash (-) indicates sample/measurement was not collected or criterion/limit does not exist.
c - Value is calculated.

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

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

Analyte	Units	Class II Criteria	Effluent Permit Limits	Effluent Grab
Ortho-phosphate	mg P/L	-	-	0.004 U
Total Phosphorus	mg P/L	-	-	0.022
Total Ammonia Nitrogen	mg N/L	-	-	0.073
Un-ionized Ammonia (calculated salinity)	mg N/L	-	-	< 0.02 c
Nitrate and Nitrite	mg N/L	-	-	0.01 I
Total Kjeldahl Nitrogen	mg N/L	-	-	0.85
Organic Nitrogen	mg N/L	-	-	0.78 c
Total Nitrogen	mg N/L	-	-	0.86 c
Total Organic Carbon	mg C/L	-	-	11
Chlorophyll *a* - Corrected	µg/L	6.4 g	-	5.8
Phaeophytin	µg/L	-	-	2.0 U
Hardness	mg CaCO3/L	-	-	5,010 c
Total Suspended Solids	mg/L	-	-	17
Turbidity	NTU	≤ 29 t	-	5.3 A
Color (true)	PCU	-	-	6.5
Alkalinity	mg CaCO3/L	-	-	130 A
Chloride	mg Cl/L	-	-	15,000 A
Fluoride	mg F/L	≤ 1.5	-	0.97
Sulfate	mg SO4/L	-	-	2,100 A
Bioassay - Mysid *(Americamysis bahia)*	% effluent	-	≥ 100	> 100
Bioassay - Fish *(Menidia beryllina)*	% effluent	-	≥ 100	> 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.
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.
U - Material analyzed for but not detected; value reported is the method detection limit.

Table 3. Analytical metals data

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

Analyte	Units	Class II Criteria	Effluent Permit Limits	Effluent Grab
Aluminum	µg/L	≤ 1500	-	502
Arsenic	µg/L	≤ 50	-	2.08
Cadmium	µg/L	≤ 8.8	-	0.080 U
Calcium	mg/L	-	-	342
Chromium, Total [1]	µg/L	≤ 50	-	1.6 U
Copper[2]	µg/L	≤ 3.7	-	2.2 I
Iron	µg/L	≤ 300	-	260 I
Lead	µg/L	≤ 8.5	-	0.80 U
Magnesium	mg/L	-	-	1010
Nickel[2]	µg/L	≤ 8.3	-	2.6 I
Selenium	µg/L	≤ 71	-	0.80 U
Silver	µg/L	≤ 2.3	-	0.040 U
Sodium	mg/L	-	-	8250
Zinc	µg/L	≤ 86	-	15 U

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.
U - Material analyzed for but not detected; value reported is the method detection limit.
1 - Class II Marine Water Quality Criterion (62-302.530(19)(b), F.A.C.) is for chromium-VI.
2 - Analyte detected in the field blank.

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	*Dunaliella tertiolecta*	3.0 U	not applicable [3]	not applicable [3]	not applicable [3]	not applicable [3]	41.5[4]	39.1

3 - Predictions not applicable to marine matrix.

4 – Non-detects in the analytical chemistry; prediction calculated using ½ MDL for Orthophosphate.

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

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.

- **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)**

  The algal growth potential (AGP) value is the peak growth of the alga within that 14-day period, recorded as mg dry weight/L. 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). 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 (freshwater only) and N:P ratio (fresh and marine) is calculated using ½ the method detection limit (MDL) for non-detect value.

- **Chlorophyll *a* Content**

  Chlorophyll *a* content is an estimate of algal biomass. High algal biomass implies nutrient stress (Stevenson and Bahls 1999) and may be 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.

- **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-2025-03-03-31

CD FYI3 FPL Cape Canaveral Plant (FL0001473)

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Page 1 of 3

last revised Jan 25, 2018

Customer: CEN-DIST

Project ID: FYI3

Requester: Benjamin Nomann

Collected By: KANE, HILL

Field Report Prepared By: KANE, HILL

Sampling Agency: FDEP CENTRAL

Location CAPE CANAVERAL ENERGY CENTER (CCEC) 6000 N US HWY 1 COCOA, FL	☐ Comp ☑ Grab	Collection (comp begin or grab) Date Time	Eastern Central	Composite end Date 3/17/25 Time 5:21				Bottle Group(s) (See pg 2) A
Field ID CCEC	Matrix (type, e.g., Salt, Fresh, etc) EFFLUENT			Diss. Oxygen 5.80	☑ mg/L ☐ % sat	Total Res. Chlorine (mg/L) N/AE		
WIN/STORET #	Temp (C) 29.0	pH 7.88		Sample Depth SURFACE	☐ ft ☐ m	Sp. Conductance (umho/cm) 38,620		
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments SALT H2O SAMPLE pH checked < 2					
Location CCEC 6000 N. US HWY 1 COCOA, FL.	☐ Comp ☑ Grab	Collection (comp begin or grab) Date Time	Eastern Central	Composite end Date 3/17/25 Time 8 51				Bottle Group(s) B
Field ID CCEC	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 SAMPLE pH checked < 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, HILL	3/17/25	FEDEX	3	[signature]	3.18.25 / 1010

Appendix C. Chemical Analysis of Effluent

Date_Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
3/17/2025 8:21	Effluent Grab	AGP/LN	Algal Growth Potential - Saltwater	3.0 U	mg DryWt/L	3.00	3.00
3/17/2025 8:21	Effluent Grab	Chlorophyll/Grain Size/BOD	Chlorophyll-a, Corrected	5.8	µg/L	1.9	5.6
3/17/2025 8:21	Effluent Grab	Chlorophyll/Grain Size/BOD	Chlorophyll-a, Uncorrected	7.0	µg/L	1.4	4.0
3/17/2025 8:21	Effluent Grab	Chlorophyll/Grain Size/BOD	Phaeophytin-a	2.0 U	µg/L	2.0	6.1
3/17/2025 8:21	Effluent Grab	Toxicology	Bioassay-Acute-Def-SW-Mysid, LC50	100 L	LC50		
3/17/2025 8:21	Effluent Grab	Toxicology	Bioassay-Acute-Def-SW-Fish, LC50	100 L	LC50		
3/17/2025 8:21	Effluent Grab	Metals	Selenium	0.80 U	µg/L	0.80	3.2
3/17/2025 8:21	Effluent Grab	Metals	Arsenic	2.08	µg/L	0.20	0.80
3/17/2025 8:21	Effluent Grab	Metals	Calcium	342	mg/L	1.5	6.0
3/17/2025 8:21	Effluent Grab	Metals	Chromium	1.6 U	µg/L	1.6	6.4
3/17/2025 8:21	Effluent Grab	Metals	Sodium	8.25E+03	mg/L	25	100
3/17/2025 8:21	Effluent Grab	Metals	Silver	0.040 U	µg/L	0.040	0.16
3/17/2025 8:21	Effluent Grab	Metals	Aluminum	502	µg/L	20	80
3/17/2025 8:21	Effluent Grab	Metals	Magnesium	1.01E+03	mg/L	0.80	3.2
3/17/2025 8:21	Effluent Grab	Metals	Nickel	2.6 I	µg/L	2.0	8.0
3/17/2025 8:21	Effluent Grab	Metals	Lead	0.80 U	µg/L	0.80	1.6
3/17/2025 8:21	Effluent Grab	Metals	Copper	2.2 I	µg/L	1.6	3.2
3/17/2025 8:21	Effluent Grab	Metals	Cadmium	0.080 U	µg/L	0.080	0.32
3/17/2025 8:21	Effluent Grab	Metals	Zinc	15 U	µg/L	15	60
3/17/2025 8:21	Effluent Grab	Metals	Iron	260 I	µg/L	90	360
3/17/2025 8:21	Effluent Grab	Nutrients	Chloride	1.5E+04 A	mg Cl/L	40	100
3/17/2025 8:21	Effluent Grab	Nutrients	Ammonia-N	0.073	mg N/L	0.0020	0.0050
3/17/2025 8:21	Effluent Grab	Nutrients	Kjeldahl Nitrogen	0.85	mg N/L	0.16	0.40
3/17/2025 8:21	Effluent Grab	Nutrients	Color (true)	6.5	PCU	2.5	6.0
3/17/2025 8:21	Effluent Grab	Nutrients	Turbidity	5.3 A	NTU	0.10	1.0
3/17/2025 8:21	Effluent Grab	Nutrients	O-Phosphate-P	0.004 U	mg P/L	0.0040	0.010
3/17/2025 8:21	Effluent Grab	Nutrients	TSS	17	mg/L	3.0	10
3/17/2025 8:21	Effluent Grab	Nutrients	Sulfate	2.1E+03 A	mg SO4/L	40	100
3/17/2025 8:21	Effluent Grab	Nutrients	Fluoride	0.97	mg F/L	0.12	0.50
3/17/2025 8:21	Effluent Grab	Nutrients	Total Alkalinity	130 A	mg CaCO3/L	0.65	2.5
3/17/2025 8:21	Effluent Grab	Nutrients	NO2NO3-N	0.01 I	mg N/L	0.0040	0.010
3/17/2025 8:21	Effluent Grab	Nutrients	Organic Carbon	11	mg C/L	2.0	4.0
3/17/2025 8:21	Effluent Grab	Nutrients	Total-P	0.022	mg P/L	0.0020	0.0050

Date_Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
3/17/2025 8:21	Effluent Grab	Pesticides	Chlorpyrifos Methyl	0.10 U	ng/L	0.10	0.50
3/17/2025 8:21	Effluent Grab	Pesticides	Demeton	3.5 U	ng/L	3.5	18
3/17/2025 8:21	Effluent Grab	Pesticides	Difenoconazole	0.60 U	ng/L	0.60	3.0
3/17/2025 8:21	Effluent Grab	Pesticides	Dimethenamid	0.10 U	ng/L	0.10	0.50
3/17/2025 8:21	Effluent Grab	Pesticides	Dithiopyr	2.0 U	ng/L	2.0	10
3/17/2025 8:21	Effluent Grab	Pesticides	Fipronil Sulfide	0.10 U	ng/L	0.10	0.50
3/17/2025 8:21	Effluent Grab	Pesticides	Iprodione	0.50 U	ng/L	0.50	2.5
3/17/2025 8:21	Effluent Grab	Pesticides	Loratadine	0.30 UJ	ng/L	0.30	1.5
3/17/2025 8:21	Effluent Grab	Pesticides	Norflurazon	1.0 U	ng/L	1.0	5.0
3/17/2025 8:21	Effluent Grab	Pesticides	Phorate	0.25 U	ng/L	0.25	1.3
3/17/2025 8:21	Effluent Grab	Pesticides	Prometryn	0.35 U	ng/L	0.35	1.8
3/17/2025 8:21	Effluent Grab	Pesticides	Propargite	0.80 U	ng/L	0.80	4.0
3/17/2025 8:21	Effluent Grab	Pesticides	Tebuconazole	1.4 U	ng/L	1.4	7.0
3/17/2025 8:21	Effluent Grab	Pesticides	Atrazine Desethyl	1.3 U	ng/L	1.3	6.5
3/17/2025 8:21	Effluent Grab	Pesticides	Disulfoton	0.60 U	ng/L	0.60	3.0
3/17/2025 8:21	Effluent Grab	Pesticides	Fludioxonil	0.10 U	ng/L	0.10	0.50
3/17/2025 8:21	Effluent Grab	Pesticides	Parathion Ethyl	0.15 U	ng/L	0.15	0.75
3/17/2025 8:21	Effluent Grab	Pesticides	Pendimethalin	1.7 U	ng/L	1.7	8.5
3/17/2025 8:21	Effluent Grab	Pesticides	Ametryn	1.1 U	ng/L	1.1	5.5
3/17/2025 8:21	Effluent Grab	Pesticides	Fonofos	0.15 U	ng/L	0.15	0.75
3/17/2025 8:21	Effluent Grab	Pesticides	Oxyfluorfen	0.20 U	ng/L	0.20	1.0
3/17/2025 8:21	Effluent Grab	Pesticides	Prometon	3.0 U	ng/L	3.0	15
3/17/2025 8:21	Effluent Grab	Pesticides	Triadimefon	0.15 U	ng/L	0.15	0.75
3/17/2025 8:21	Effluent Grab	Pesticides	Atrazine	5.4	ng/L	0.20	1.0
3/17/2025 8:21	Effluent Grab	Pesticides	Chlorfenapyr	0.30 U	ng/L	0.30	1.5
3/17/2025 8:21	Effluent Grab	Pesticides	Cyanazine	5.0 U	ng/L	5.0	25
3/17/2025 8:21	Effluent Grab	Pesticides	Fenamiphos	0.45 UJ	ng/L	0.45	2.3
3/17/2025 8:21	Effluent Grab	Pesticides	Fenbuconazole	0.50 U	ng/L	0.50	2.5
3/17/2025 8:21	Effluent Grab	Pesticides	Fipronil Desulfinyl	0.10 U	ng/L	0.10	0.50
3/17/2025 8:21	Effluent Grab	Pesticides	Fluazifop-P-butyl	0.10 U	ng/L	0.10	0.50
3/17/2025 8:21	Effluent Grab	Pesticides	Flutolanil	0.10 U	ng/L	0.10	0.50
3/17/2025 8:21	Effluent Grab	Pesticides	Hexazinone	0.50 U	ng/L	0.50	2.5
3/17/2025 8:21	Effluent Grab	Pesticides	Molinate	0.25 U	ng/L	0.25	1.3
3/17/2025 8:21	Effluent Grab	Pesticides	Metolachlor	0.75 U	ng/L	0.75	3.8
3/17/2025 8:21	Effluent Grab	Pesticides	Mevinphos	1.0 U	ng/L	1.0	5.0
3/17/2025 8:21	Effluent Grab	Pesticides	Parathion Methyl	0.20 U	ng/L	0.20	1.0

Date_Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
3/17/2025 8:21	Effluent Grab	Pesticides	Propanil	0.10 U	ng/L	0.10	0.50
3/17/2025 8:21	Effluent Grab	Pesticides	Pyriproxyfen	0.25 U	ng/L	0.25	1.6
3/17/2025 8:21	Effluent Grab	Pesticides	Stirophos	0.40 U	ng/L	0.40	3.2
3/17/2025 8:21	Effluent Grab	Pesticides	Thiobencarb	0.50 U	ng/L	0.50	2.5
3/17/2025 8:21	Effluent Grab	Pesticides	Alachlor	0.40 U	ng/L	0.40	2.0
3/17/2025 8:21	Effluent Grab	Pesticides	Azoxystrobin	0.40 U	ng/L	0.40	2.0
3/17/2025 8:21	Effluent Grab	Pesticides	Bromacil	0.60 U	ng/L	0.60	3.0
3/17/2025 8:21	Effluent Grab	Pesticides	Butylate	0.45 U	ng/L	0.45	2.3
3/17/2025 8:21	Effluent Grab	Pesticides	Chlorpyrifos Ethyl	0.30 U	ng/L	0.30	1.5
3/17/2025 8:21	Effluent Grab	Pesticides	Cyprodinil	0.20 U	ng/L	0.20	1.0
3/17/2025 8:21	Effluent Grab	Pesticides	Ethion	0.30 U	ng/L	0.30	1.5
3/17/2025 8:21	Effluent Grab	Pesticides	Ethoprop	0.13 U	ng/L	0.13	0.63
3/17/2025 8:21	Effluent Grab	Pesticides	Pyraflufen Ethyl	0.30 U	ng/L	0.30	1.5
3/17/2025 8:21	Effluent Grab	Pesticides	Pyridaben	1.4 U	ng/L	1.4	7.0
3/17/2025 8:21	Effluent Grab	Pesticides	Terbufos	0.20 UJ	ng/L	0.20	1.0
3/17/2025 8:21	Effluent Grab	Pesticides	Acetochlor	0.20 U	ng/L	0.20	1.0
3/17/2025 8:21	Effluent Grab	Pesticides	Caffeine	7.5 U	ng/L	7.5	38
3/17/2025 8:21	Effluent Grab	Pesticides	Carbophenothion	0.50 U	ng/L	0.50	2.5
3/17/2025 8:21	Effluent Grab	Pesticides	Carfentrazone Ethyl	0.15 U	ng/L	0.15	0.75
3/17/2025 8:21	Effluent Grab	Pesticides	Coumaphos	1.1 U	ng/L	1.1	5.5
3/17/2025 8:21	Effluent Grab	Pesticides	Diazinon	0.13 U	ng/L	0.13	0.63
3/17/2025 8:21	Effluent Grab	Pesticides	Dimethomorph	0.65 U	ng/L	0.65	3.3
3/17/2025 8:21	Effluent Grab	Pesticides	Fipronil	0.20 U	ng/L	0.20	1.0
3/17/2025 8:21	Effluent Grab	Pesticides	Flumioxazin	3.0 U	ng/L	3.0	15
3/17/2025 8:21	Effluent Grab	Pesticides	Fluxapyroxad	0.25 U	ng/L	0.25	1.3
3/17/2025 8:21	Effluent Grab	Pesticides	Naled	2.5 U	ng/L	2.5	13
3/17/2025 8:21	Effluent Grab	Pesticides	Phenytoin	5.3 U	ng/L	5.3	27
3/17/2025 8:21	Effluent Grab	Pesticides	Simazine	0.25 U	ng/L	0.25	1.3
3/17/2025 8:21	Effluent Grab	Pesticides	Azinphos Methyl	3.0 U	ng/L	3.0	15
3/17/2025 8:21	Effluent Grab	Pesticides	EPTC	0.50 U	ng/L	0.50	2.5
3/17/2025 8:21	Effluent Grab	Pesticides	Fipronil Sulfone	0.25 U	ng/L	0.25	1.3
3/17/2025 8:21	Effluent Grab	Pesticides	Imazalil	0.65 UJ	ng/L	0.65	3.3
3/17/2025 8:21	Effluent Grab	Pesticides	Malathion	0.35 U	ng/L	0.35	1.8
3/17/2025 8:21	Effluent Grab	Pesticides	Metalaxyl	0.50 U	ng/L	0.50	2.5
3/17/2025 8:21	Effluent Grab	Pesticides	Myclobutanil	0.35 U	ng/L	0.35	1.8
3/17/2025 8:21	Effluent Grab	Pesticides	Napropamide	0.70 U	ng/L	0.70	3.5

Date_Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
3/17/2025 8:21	Effluent Grab	Pesticides	Oxadiazon	0.35 U	ng/L	0.35	1.8
3/17/2025 8:21	Effluent Grab	Pesticides	Prodiamine	0.20 U	ng/L	0.20	1.0
3/17/2025 8:21	Effluent Grab	Pesticides	Pronamide	0.10 U	ng/L	0.10	0.50
3/17/2025 8:21	Effluent Grab	Pesticides	Propiconazole	0.60 U	ng/L	0.60	3.0
3/17/2025 8:21	Effluent Grab	Pesticides	Terbuthylazine	0.20 U	ng/L	0.20	1.0
3/17/2025 8:21	Effluent Grab	Pesticides	Etridiazole	0.10 U	ng/L	0.10	0.50
3/17/2025 8:21	Effluent Grab	Pesticides	Metribuzin	0.40 U	ng/L	0.40	2.0
3/17/2025 8:21	Effluent Grab	Pesticides	Sulfentrazone	1.4 U	ng/L	1.4	7.0
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	Acenaphthylene	0.025 U	µg/L	0.025	0.10
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	Chrysene	0.025 U	µg/L	0.025	0.10
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	Hexachlorocyclopentadiene	0.050 U	µg/L	0.050	0.20
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	2,4-Dichlorophenol	0.050 U	µg/L	0.050	0.20
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	2,6-Dinitrotoluene	0.050 U	µg/L	0.050	0.20
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	Benzo(b)fluoranthene	0.025 U	µg/L	0.025	0.10
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	Bis(2-chloroethoxy)methane	0.050 U	µg/L	0.050	0.20
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	Bis(2-ethylhexyl)phthalate	5.0 U	µg/L	5.0	20
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	Dibenzo(a,h)anthracene	0.025 U	µg/L	0.025	0.10
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	Hexachloroethane	0.050 U	µg/L	0.050	0.20
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	N-Nitrosodi-n-propylamine	0.050 U	µg/L	0.050	0.20
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	Phenanthrene	0.10 U	µg/L	0.10	0.40
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	2,4-Dimethylphenol	0.050 U	µg/L	0.050	0.20
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	Benzidine	10 UJ	µg/L	10	40
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	Benzo(k)fluoranthene	0.025 U	µg/L	0.025	0.10
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	Bis(2-chloroisopropyl)ether	0.050 U	µg/L	0.050	0.20
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	Diethyl phthalate	2.0 U	µg/L	2.0	8.0
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	1,2,4-Trichlorobenzene	0.050 U	µg/L	0.050	0.20
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	3,3'-Dichlorobenzidine	10 U	µg/L	10	40
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	Acenaphthene	0.025 U	µg/L	0.025	0.10
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	Benzo(a)pyrene	0.025 U	µg/L	0.025	0.10
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	Benzo(g,h,i)perylene	0.025 U	µg/L	0.025	0.10
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	Indeno(1,2,3-cd)pyrene	0.025 U	µg/L	0.025	0.10
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	Isophorone	0.050 U	µg/L	0.050	0.20
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	Phenol	0.050 U	µg/L	0.050	0.20
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	2,4,6-Trichlorophenol	0.050 U	µg/L	0.050	0.20
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	4-Chloro-3-methylphenol	0.050 U	µg/L	0.050	0.20
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	Hexachlorobenzene	0.050 U	µg/L	0.050	0.20

Date_Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	Hexachlorobutadiene	0.050 U	µg/L	0.050	0.20
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	4-Nitrophenol	10 U	µg/L	10	40
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	Benzo(a)anthracene	0.025 U	µg/L	0.025	0.10
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	Bis(2-chloroethyl)ether	0.050 U	µg/L	0.050	0.20
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	N-Nitrosodimethylamine	2.0 U	µg/L	2.0	8.0
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	2-Methyl-4,6-dinitrophenol	3.0 UJ	µg/L	3.0	12
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	Pyrene	0.10 U	µg/L	0.10	0.40
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	2,4-Dinitrophenol	10 UJ	µg/L	10	40
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	2,4-Dinitrotoluene	0.050 U	µg/L	0.050	0.20
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	Anthracene	0.050 U	µg/L	0.050	0.20
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	Butyl benzyl phthalate	1.0 U	µg/L	1.0	4.0
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	Di-n-butyl phthalate	2.0 U	µg/L	2.0	8.0
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	Di-n-octyl phthalate	0.050 U	µg/L	0.050	0.20
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	Dimethyl phthalate	0.20 U	µg/L	0.20	0.80
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	Fluorene	0.025 U	µg/L	0.025	0.10
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	Naphthalene	0.10 U	µg/L	0.10	0.40
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	2-Chloronaphthalene	0.050 U	µg/L	0.050	0.20
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	2-Chlorophenol	0.050 U	µg/L	0.050	0.20
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	4-Chlorophenyl phenyl ether	0.050 U	µg/L	0.050	0.20
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	4-Bromophenyl phenyl ether	0.050 U	µg/L	0.050	0.20
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	Fluoranthene	0.050 U	µg/L	0.050	0.20
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	2-Nitrophenol	0.050 U	µg/L	0.050	0.20
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	Nitrobenzene	0.050 U	µg/L	0.050	0.20
3/17/2025 8:21	Effluent Grab	Priority Organic Pollutants	Pentachlorophenol	0.50 UJ	µg/L	0.50	2.0
3/17/2025 8:21	Effluent Grab	Nutrients	pH	7.88	SU		
3/17/2025 8:21	Effluent Grab	Nutrients	Temperature	29.0	C		
3/17/2025 8:21	Effluent Grab	Nutrients	Dissolved Oxygen mg/L	5.80	mg/L		
3/17/2025 8:21	Effluent Grab	Nutrients	Specific Conductance	38620	µmhos/cm		
3/17/2025 8:51	Blank	Metals	Silver	0.010 U	µg/L	0.010	0.040
3/17/2025 8:51	Blank	Metals	Nickel	2.5	µg/L	0.50	2.0
3/17/2025 8:51	Blank	Metals	Cadmium	0.020 U	µg/L	0.020	0.080
3/17/2025 8:51	Blank	Metals	Zinc	5.0 U	µg/L	5.0	20
3/17/2025 8:51	Blank	Metals	Iron	30 U	µg/L	30	120
3/17/2025 8:51	Blank	Metals	Selenium	0.20 U	µg/L	0.20	0.80
3/17/2025 8:51	Blank	Metals	Sodium	0.50 U	mg/L	0.50	2.0
3/17/2025 8:51	Blank	Metals	Aluminum	5.0 U	µg/L	5.0	20

Date_Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
3/17/2025 8:51	Blank	Metals	Magnesium	0.040 U	mg/L	0.040	0.16
3/17/2025 8:51	Blank	Metals	Arsenic	0.050 U	µg/L	0.050	0.20
3/17/2025 8:51	Blank	Metals	Lead	0.20 U	µg/L	0.20	0.40
3/17/2025 8:51	Blank	Metals	Calcium	0.075 U	mg/L	0.075	0.30
3/17/2025 8:51	Blank	Metals	Copper	0.77 I	µg/L	0.40	0.80
3/17/2025 8:51	Blank	Metals	Chromium	0.40 U	µg/L	0.40	1.6
3/17/2025 8:51	Blank	Nutrients	Turbidity	0.10 U	NTU	0.10	1.0
3/17/2025 8:51	Blank	Nutrients	Total-P	0.002 U	mg P/L	0.0020	0.0050
3/17/2025 8:51	Blank	Nutrients	Chloride	0.20 U	mg Cl/L	0.20	0.50
3/17/2025 8:51	Blank	Nutrients	Organic Carbon	0.50 U	mg C/L	0.50	1.0
3/17/2025 8:51	Blank	Nutrients	Ammonia-N	0.002 U	mg N/L	0.0020	0.0050
3/17/2025 8:51	Blank	Nutrients	Sulfate	0.20 U	mg SO4/L	0.20	0.50
3/17/2025 8:51	Blank	Nutrients	NO2NO3-N	0.004 U	mg N/L	0.0040	0.010
3/17/2025 8:51	Blank	Nutrients	Fluoride	0.025 U	mg F/L	0.025	0.10
3/17/2025 8:51	Blank	Nutrients	O-Phosphate-P	0.004 U	mg P/L	0.0040	0.010
3/17/2025 8:51	Blank	Nutrients	Kjeldahl Nitrogen	0.080 U	mg N/L	0.080	0.20
3/17/2025 8:51	Blank	Nutrients	Color (true)	2.5 U	PCU	2.5	6.0
3/17/2025 8:51	Blank	Nutrients	Total Alkalinity	0.65 U	mg CaCO3/L	0.65	2.5
3/17/2025 8:51	Blank	Pesticides	Caffeine	7.7 U	ng/L	7.7	39
3/17/2025 8:51	Blank	Pesticides	Chlorpyrifos Methyl	0.10 U	ng/L	0.10	0.51
3/17/2025 8:51	Blank	Pesticides	Cyanazine	5.1 U	ng/L	5.1	26
3/17/2025 8:51	Blank	Pesticides	Diazinon	0.13 U	ng/L	0.13	0.64
3/17/2025 8:51	Blank	Pesticides	Dimethomorph	0.67 U	ng/L	0.67	3.3
3/17/2025 8:51	Blank	Pesticides	Fipronil	0.21 U	ng/L	0.21	1.0
3/17/2025 8:51	Blank	Pesticides	Norflurazon	1.0 U	ng/L	1.0	5.1
3/17/2025 8:51	Blank	Pesticides	Prodiamine	0.21 U	ng/L	0.21	1.0
3/17/2025 8:51	Blank	Pesticides	Prometon	3.1 U	ng/L	3.1	15
3/17/2025 8:51	Blank	Pesticides	Pyriproxyfen	0.26 U	ng/L	0.26	1.6
3/17/2025 8:51	Blank	Pesticides	Alachlor	0.41 U	ng/L	0.41	2.1
3/17/2025 8:51	Blank	Pesticides	Cyprodinil	0.21 U	ng/L	0.21	1.0
3/17/2025 8:51	Blank	Pesticides	Fludioxonil	0.10 U	ng/L	0.10	0.51
3/17/2025 8:51	Blank	Pesticides	Metalaxyl	0.51 U	ng/L	0.51	2.6
3/17/2025 8:51	Blank	Pesticides	Stirophos	0.41 U	ng/L	0.41	3.3
3/17/2025 8:51	Blank	Pesticides	Terbuthylazine	0.21 U	ng/L	0.21	1.0
3/17/2025 8:51	Blank	Pesticides	Atrazine Desethyl	1.3 U	ng/L	1.3	6.7
3/17/2025 8:51	Blank	Pesticides	Azinphos Methyl	3.1 U	ng/L	3.1	15

Date_Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
3/17/2025 8:51	Blank	Pesticides	Chlorpyrifos Ethyl	0.31 U	ng/L	0.31	1.5
3/17/2025 8:51	Blank	Pesticides	Demeton	3.6 U	ng/L	3.6	18
3/17/2025 8:51	Blank	Pesticides	Dithiopyr	2.1 U	ng/L	2.1	10
3/17/2025 8:51	Blank	Pesticides	EPTC	0.51 U	ng/L	0.51	2.6
3/17/2025 8:51	Blank	Pesticides	Fluxapyroxad	0.26 U	ng/L	0.26	1.3
3/17/2025 8:51	Blank	Pesticides	Iprodione	0.51 U	ng/L	0.51	2.6
3/17/2025 8:51	Blank	Pesticides	Pyridaben	1.4 U	ng/L	1.4	7.2
3/17/2025 8:51	Blank	Pesticides	Terbufos	0.21 UJ	ng/L	0.21	1.0
3/17/2025 8:51	Blank	Pesticides	Thiobencarb	0.51 U	ng/L	0.51	2.6
3/17/2025 8:51	Blank	Pesticides	Bromacil	0.62 U	ng/L	0.62	3.1
3/17/2025 8:51	Blank	Pesticides	Dimethenamid	0.10 U	ng/L	0.10	0.51
3/17/2025 8:51	Blank	Pesticides	Etridiazole	0.10 U	ng/L	0.10	0.51
3/17/2025 8:51	Blank	Pesticides	Fenamiphos	0.46 UJ	ng/L	0.46	2.3
3/17/2025 8:51	Blank	Pesticides	Flutolanil	0.10 U	ng/L	0.10	0.51
3/17/2025 8:51	Blank	Pesticides	Fonofos	0.15 U	ng/L	0.15	0.77
3/17/2025 8:51	Blank	Pesticides	Myclobutanil	0.36 U	ng/L	0.36	1.8
3/17/2025 8:51	Blank	Pesticides	Imazalil	0.67 UJ	ng/L	0.67	3.3
3/17/2025 8:51	Blank	Pesticides	Pronamide	0.10 U	ng/L	0.10	0.51
3/17/2025 8:51	Blank	Pesticides	Ametryn	1.1 U	ng/L	1.1	5.6
3/17/2025 8:51	Blank	Pesticides	Butylate	0.46 U	ng/L	0.46	2.3
3/17/2025 8:51	Blank	Pesticides	Carbophenothion	0.51 U	ng/L	0.51	2.6
3/17/2025 8:51	Blank	Pesticides	Disulfoton	0.62 U	ng/L	0.62	3.1
3/17/2025 8:51	Blank	Pesticides	Ethion	0.31 U	ng/L	0.31	1.5
3/17/2025 8:51	Blank	Pesticides	Ethoprop	0.13 U	ng/L	0.13	0.64
3/17/2025 8:51	Blank	Pesticides	Fipronil Sulfide	0.10 U	ng/L	0.10	0.51
3/17/2025 8:51	Blank	Pesticides	Metribuzin	0.41 U	ng/L	0.41	2.1
3/17/2025 8:51	Blank	Pesticides	Oxadiazon	0.36 U	ng/L	0.36	1.8
3/17/2025 8:51	Blank	Pesticides	Pendimethalin	1.7 U	ng/L	1.7	8.7
3/17/2025 8:51	Blank	Pesticides	Propanil	0.10 U	ng/L	0.10	0.51
3/17/2025 8:51	Blank	Pesticides	Propiconazole	0.62 U	ng/L	0.62	3.1
3/17/2025 8:51	Blank	Pesticides	Pyraflufen Ethyl	0.31 U	ng/L	0.31	1.5
3/17/2025 8:51	Blank	Pesticides	Simazine	0.26 U	ng/L	0.26	1.3
3/17/2025 8:51	Blank	Pesticides	Sulfentrazone	1.4 U	ng/L	1.4	7.2
3/17/2025 8:51	Blank	Pesticides	Triadimefon	0.15 U	ng/L	0.15	0.77
3/17/2025 8:51	Blank	Pesticides	Azoxystrobin	0.41 U	ng/L	0.41	2.1
3/17/2025 8:51	Blank	Pesticides	Coumaphos	1.1 U	ng/L	1.1	5.6

Date_Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
3/17/2025 8:51	Blank	Pesticides	Flumioxazin	3.1 U	ng/L	3.1	15
3/17/2025 8:51	Blank	Pesticides	Metolachlor	0.77 U	ng/L	0.77	3.9
3/17/2025 8:51	Blank	Pesticides	Molinate	0.26 U	ng/L	0.26	1.3
3/17/2025 8:51	Blank	Pesticides	Hexazinone	0.51 U	ng/L	0.51	2.6
3/17/2025 8:51	Blank	Pesticides	Parathion Ethyl	0.15 U	ng/L	0.15	0.77
3/17/2025 8:51	Blank	Pesticides	Malathion	0.36 U	ng/L	0.36	1.8
3/17/2025 8:51	Blank	Pesticides	Phorate	0.26 U	ng/L	0.26	1.3
3/17/2025 8:51	Blank	Pesticides	Prometryn	0.36 U	ng/L	0.36	1.8
3/17/2025 8:51	Blank	Pesticides	Tebuconazole	1.4 U	ng/L	1.4	7.2
3/17/2025 8:51	Blank	Pesticides	Acetochlor	0.21 U	ng/L	0.21	1.0
3/17/2025 8:51	Blank	Pesticides	Atrazine	0.21 U	ng/L	0.21	1.0
3/17/2025 8:51	Blank	Pesticides	Carfentrazone Ethyl	0.15 U	ng/L	0.15	0.77
3/17/2025 8:51	Blank	Pesticides	Difenoconazole	0.62 U	ng/L	0.62	3.1
3/17/2025 8:51	Blank	Pesticides	Fenbuconazole	0.51 U	ng/L	0.51	2.6
3/17/2025 8:51	Blank	Pesticides	Fipronil Sulfone	0.26 U	ng/L	0.26	1.3
3/17/2025 8:51	Blank	Pesticides	Mevinphos	1.0 U	ng/L	1.0	5.1
3/17/2025 8:51	Blank	Pesticides	Naled	2.6 U	ng/L	2.6	13
3/17/2025 8:51	Blank	Pesticides	Napropamide	0.72 U	ng/L	0.72	3.6
3/17/2025 8:51	Blank	Pesticides	Loratadine	0.31 UJ	ng/L	0.31	1.5
3/17/2025 8:51	Blank	Pesticides	Parathion Methyl	0.21 U	ng/L	0.21	1.0
3/17/2025 8:51	Blank	Pesticides	Phenytoin	5.4 U	ng/L	5.4	27
3/17/2025 8:51	Blank	Pesticides	Chlorfenapyr	0.31 U	ng/L	0.31	1.5
3/17/2025 8:51	Blank	Pesticides	Fipronil Desulfinyl	0.10 U	ng/L	0.10	0.51
3/17/2025 8:51	Blank	Pesticides	Fluazifop-P-butyl	0.10 U	ng/L	0.10	0.51
3/17/2025 8:51	Blank	Pesticides	Oxyfluorfen	0.21 U	ng/L	0.21	1.0
3/17/2025 8:51	Blank	Pesticides	Propargite	0.82 U	ng/L	0.82	4.1
3/17/2025 8:51	Blank	Priority Organic Pollutants	2-Chloronaphthalene	0.051 U	µg/L	0.051	0.20
3/17/2025 8:51	Blank	Priority Organic Pollutants	4-Bromophenyl phenyl ether	0.051 U	µg/L	0.051	0.20
3/17/2025 8:51	Blank	Priority Organic Pollutants	4-Chloro-3-methylphenol	0.051 U	µg/L	0.051	0.20
3/17/2025 8:51	Blank	Priority Organic Pollutants	4-Nitrophenol	10 U	µg/L	10	41
3/17/2025 8:51	Blank	Priority Organic Pollutants	Di-n-butyl phthalate	2.0 U	µg/L	2.0	8.1
3/17/2025 8:51	Blank	Priority Organic Pollutants	Fluorene	0.025 U	µg/L	0.025	0.10
3/17/2025 8:51	Blank	Priority Organic Pollutants	N-Nitrosodi-n-propylamine	0.051 U	µg/L	0.051	0.20
3/17/2025 8:51	Blank	Priority Organic Pollutants	2,4,6-Trichlorophenol	0.051 U	µg/L	0.051	0.20
3/17/2025 8:51	Blank	Priority Organic Pollutants	2,6-Dinitrotoluene	0.051 U	µg/L	0.051	0.20
3/17/2025 8:51	Blank	Priority Organic Pollutants	3,3'-Dichlorobenzidine	10 U	µg/L	10	41

Date_Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
3/17/2025 8:51	Blank	Priority Organic Pollutants	Acenaphthylene	0.025 U	µg/L	0.025	0.10
3/17/2025 8:51	Blank	Priority Organic Pollutants	Butyl benzyl phthalate	1.0 U	µg/L	1.0	4.1
3/17/2025 8:51	Blank	Priority Organic Pollutants	Hexachlorobutadiene	0.051 U	µg/L	0.051	0.20
3/17/2025 8:51	Blank	Priority Organic Pollutants	2,4-Dimethylphenol	0.051 U	µg/L	0.051	0.20
3/17/2025 8:51	Blank	Priority Organic Pollutants	Benzidine	10 UJ	µg/L	10	41
3/17/2025 8:51	Blank	Priority Organic Pollutants	Chrysene	0.025 U	µg/L	0.025	0.10
3/17/2025 8:51	Blank	Priority Organic Pollutants	Di-n-octyl phthalate	0.051 U	µg/L	0.051	0.20
3/17/2025 8:51	Blank	Priority Organic Pollutants	Diethyl phthalate	2.0 U	µg/L	2.0	8.1
3/17/2025 8:51	Blank	Priority Organic Pollutants	Dimethyl phthalate	0.20 U	µg/L	0.20	0.81
3/17/2025 8:51	Blank	Priority Organic Pollutants	Fluoranthene	0.051 U	µg/L	0.051	0.20
3/17/2025 8:51	Blank	Priority Organic Pollutants	N-Nitrosodimethylamine	2.0 U	µg/L	2.0	8.1
3/17/2025 8:51	Blank	Priority Organic Pollutants	Pentachlorophenol	0.51 UJ	µg/L	0.51	2.0
3/17/2025 8:51	Blank	Priority Organic Pollutants	Bis(2-chloroethyl)ether	0.051 U	µg/L	0.051	0.20
3/17/2025 8:51	Blank	Priority Organic Pollutants	Hexachlorobenzene	0.051 U	µg/L	0.051	0.20
3/17/2025 8:51	Blank	Priority Organic Pollutants	Nitrobenzene	0.051 U	µg/L	0.051	0.20
3/17/2025 8:51	Blank	Priority Organic Pollutants	2,4-Dinitrophenol	10 UJ	µg/L	10	41
3/17/2025 8:51	Blank	Priority Organic Pollutants	Dibenzo(a,h)anthracene	0.025 U	µg/L	0.025	0.10
3/17/2025 8:51	Blank	Priority Organic Pollutants	Hexachlorocyclopentadiene	0.051 U	µg/L	0.051	0.20
3/17/2025 8:51	Blank	Priority Organic Pollutants	Hexachloroethane	0.051 U	µg/L	0.051	0.20
3/17/2025 8:51	Blank	Priority Organic Pollutants	1,2,4-Trichlorobenzene	0.051 U	µg/L	0.051	0.20
3/17/2025 8:51	Blank	Priority Organic Pollutants	2,4-Dinitrotoluene	0.051 U	µg/L	0.051	0.20
3/17/2025 8:51	Blank	Priority Organic Pollutants	Anthracene	0.051 U	µg/L	0.051	0.20
3/17/2025 8:51	Blank	Priority Organic Pollutants	Bis(2-chloroisopropyl)ether	0.051 U	µg/L	0.051	0.20
3/17/2025 8:51	Blank	Priority Organic Pollutants	Bis(2-ethylhexyl)phthalate	5.1 U	µg/L	5.1	20
3/17/2025 8:51	Blank	Priority Organic Pollutants	Naphthalene	0.10 U	µg/L	0.10	0.41
3/17/2025 8:51	Blank	Priority Organic Pollutants	Phenanthrene	0.10 U	µg/L	0.10	0.41
3/17/2025 8:51	Blank	Priority Organic Pollutants	Pyrene	0.10 U	µg/L	0.10	0.41
3/17/2025 8:51	Blank	Priority Organic Pollutants	2-Chlorophenol	0.051 U	µg/L	0.051	0.20
3/17/2025 8:51	Blank	Priority Organic Pollutants	2-Methyl-4,6-dinitrophenol	3.1 UJ	µg/L	3.1	12
3/17/2025 8:51	Blank	Priority Organic Pollutants	2,4-Dichlorophenol	0.051 U	µg/L	0.051	0.20
3/17/2025 8:51	Blank	Priority Organic Pollutants	4-Chlorophenyl phenyl ether	0.051 U	µg/L	0.051	0.20
3/17/2025 8:51	Blank	Priority Organic Pollutants	Benzo(a)anthracene	0.025 U	µg/L	0.025	0.10
3/17/2025 8:51	Blank	Priority Organic Pollutants	Benzo(a)pyrene	0.025 U	µg/L	0.025	0.10
3/17/2025 8:51	Blank	Priority Organic Pollutants	Benzo(g,h,i)perylene	0.025 U	µg/L	0.025	0.10
3/17/2025 8:51	Blank	Priority Organic Pollutants	Benzo(k)fluoranthene	0.025 U	µg/L	0.025	0.10
3/17/2025 8:51	Blank	Priority Organic Pollutants	Indeno(1,2,3-cd)pyrene	0.025 U	µg/L	0.025	0.10

Date_Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
3/17/2025 8:51	Blank	Priority Organic Pollutants	2-Nitrophenol	0.051 U	µg/L	0.051	0.20
3/17/2025 8:51	Blank	Priority Organic Pollutants	Acenaphthene	0.025 U	µg/L	0.025	0.10
3/17/2025 8:51	Blank	Priority Organic Pollutants	Benzo(b)fluoranthene	0.025 U	µg/L	0.025	0.10
3/17/2025 8:51	Blank	Priority Organic Pollutants	Bis(2-chloroethoxy)methane	0.051 U	µg/L	0.051	0.20
3/17/2025 8:51	Blank	Priority Organic Pollutants	Isophorone	0.051 U	µg/L	0.051	0.20
3/17/2025 8:51	Blank	Priority Organic Pollutants	Phenol	0.051 U	µg/L	0.051	0.20