Pilgrim's Pride Corporation
Southwest WWP
OUTFALL 001

Client Address:
664 HIGHWAY 127 WEST
MOUNT PLEASANT, TX 75456

24 Hr Acute Biomonitoring Report

99036

Daphnia pulex
Pimephales promelas

January 13, 2026

*Approved by:*_____
Lab director

TABLE OF CONTENTS

TOXICITY TEST REPORT	3
SURVIVAL TEST SUMMARY	5
STATISTICAL & CHEMICAL ANALYSIS	Appendix A
REFERENCE TOXICANTS	Appendix B
LITERATURE REFERENCES	Appendix C
CHAIN-OF-CUSTODY SHEETS	Appendix D
REGULATORY AGENCY TABLES	Appendix E

Unless otherwise noted in the body of the report, all data reported in this document are in compliance with TNI standards and apply only to the samples referenced within. This report document may not be edited or reproduced in part or in full by any other entity, unless Eurofins Environment Testing Bio-Aquatics issues written approval.

***HAND-WRITTEN RAW DATA TABLES ARE AVAILABLE UPON REQUEST**

Eurofins Environment Testing Bio-Aquatics
2501 Mayes Road, Suite 100
Carrollton, Texas 75006
Tel: (972) 242-7750
Fax: (972) 242-7749

TOXICITY TEST REPORT - 24 Hr Acute

Client:	Pilgrim's Pride Corporation	Sample:	001
Facility:	Southwest WWP	Laboratory Number:	99036
Permit No.	WQ0003017000	Date:	January 13, 2026

Daphnia pulex and *Pimephales promelas* **passed** survival testing requirements.

SAMPLE COLLECTION:

A composite effluent sample from Pilgrim's Pride Corporation, Southwest WWP, was transported to Eurofins Environment Testing Bio-Aquatics on January 12, 2026. The effluent sample was collected from Outfall 001 by facility personnel.

The effluent sample was analyzed for total residual chlorine using the Hanna Ion Specific Meter #711 and contained <0.10 mg/L. Effluent and laboratory dilution water pH, temperature, salinity, and dissolved oxygen data were collected daily.

TEST PROCEDURES:

EPA METHOD: 2021

Daphnia pulex

The 24 Hr Acute *Daphnia pulex* test was initiated at 18:59 hours on January 13, 2026. Replicates were prepared using 100% effluent. A control solution of moderately hard synthetic laboratory water was also prepared. The test was set up with 30mL plastic cups containing 20mL of test solution. Each effluent concentration included five replicate cups with eight organisms in each cup. Test organisms were less than 24-hour old laboratory cultured neonates. The test proceeded for 24 hours. Data on survival was collected daily. A control of five replicate plastic cups containing eight organisms per cup in synthetic water was conducted concurrently with the test. There was 100% survival in the control. Data on surviving organisms and water quality were collected. The test ended at 11:39 hours on January 14, 2026.

SURVIVAL:

Daphnia pulex

The *Daphnia pulex* survival data demonstrated >50% in the 100% effluent as compared to the control.

LOEC: Not Calculable (Q)
NOEC: 100% Effluent

TEST PROCEDURES: EPA METHOD: 2000

Pimephales promelas

The 24 Hr Acute *Pimephales promelas* test was initiated at 16:24 hours on January 13, 2026. Replicates were prepared using 100% effluent. A control solution of moderately hard synthetic water was also prepared. The test was set up with 450mL plastic cups containing 250mL of test solution as test chambers. Each concentration consisted of five replicate chambers containing eight organisms each. Test organisms were laboratory cultured *P. promelas* one to fourteen days old, and all larvae used in each test are hatched within 24 hours of each other. The test proceeded for 24 hours, after which, data was collected. A control of five replicate cups of eight organisms each in synthetic water was conducted concurrently with the test. There was 100% survival in the control. Data on surviving organisms and water quality were collected. The test ended at 16:25 hours on January 14, 2026.

SURVIVAL:

Pimephales promelas

The *Pimephales promelas* survival data demonstrated >50% in the 100% effluent as compared to the control.

LOEC: Not Calculable (Q)
NOEC: 100% Effluent

Eurofins Environment Testing Bio-Aquatics

TOXICITY TEST

24 Hr Acute ***Daphnia pulex***

Lab ID: **99036**

Client: Pilgrim's Pride Corporation Southwest WWP

Test Temperature (oC): 25 ± 1

Permit Number: TPDES WQ0003017000

Photo Period: 16 hours light
8 hours dark

Sample Type: Composite **Outfall Name:** 001

Begin Date: 1/13/2026

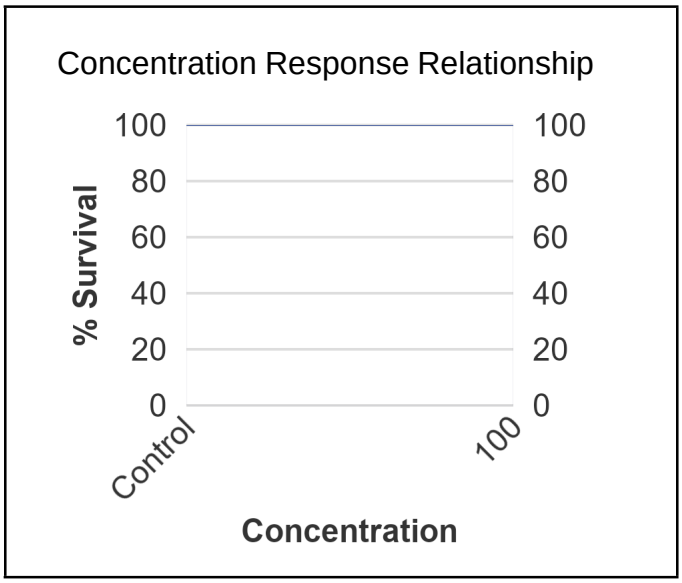
Receiving Water Name: Tankersley Creek

End Date: 1/14/2026

Test Start Time: 18:59 Test End Time: 11:39

SURVIVAL

Effluent Concentration %	Number Of Alive Per Replicate										Avg% Surv.
	1/13					1/14					
	A	B	C	D	E	A	B	C	D	E	
Control	8	8	8	8	8	8	8	8	8	8	100.0%
100	8	8	8	8	8	8	8	8	8	8	100.0%



Eurofins Environment Testing Bio-Aquatics
2501 Mayes Road, Suite 100
Carrollton, Texas 75006
Tel: 972-242-7750
Fax: 972-242-7749

24 HOUR ACUTE SURVIVAL

Organism: Daphnia pulex 24 Hr Acute

Client: **Pilgrim's Pride Corporation** - Southwest WWP

Outfall Name 001 Lab ID: **99036**

Sample Type Composite

TEST INSTRUCTIONS: NETDMR
START BY 1900

Date Test Started: 01-13-26 Time: 1859 Technician: RA

Date Test Ended: 1-14-26 Time: 1139 Technician: SB

Culture No. : DP1229251

Units %

Concentration	No. Surviving Organisms, 0 Hrs. A	B	C	D	E	No. Surviving Organisms, 24 Hrs. A	B	C	D	E
Control	8				8	8				8
100	8				8	8				8

Test Temperatures

	0Hr new	24Hr old
Control	25.2	25.3
100		
IR GUN ID #	027	027

Lined through spaces preceded by a number represent the same number. Lined spaces without a preceding number indicate unused or not applicable sp

Eurofins Environment Testing Bio-Aquatics

TOXICITY TEST

24 Hr Acute ***Pimephales promelas***

Lab ID: **99036**

Client: Pilgrim's Pride Corporation Southwest WWP

Test Temperature (oC): 25 ± 1

Permit Number: TPDES WQ0003017000

Photo Period: 16 hours light 8 hours dark

Sample Type: Composite **Outfall Name:** 001

Begin Date: 1/13/2026

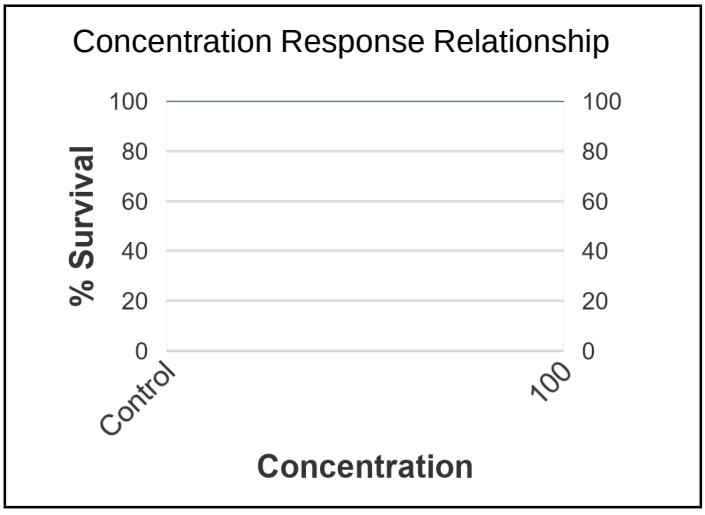
Receiving Water Name: Tankersley Creek

End Date: 1/14/2026

Test Start Time: 16:24 Test End Time: 16:25

SURVIVAL

Effluent Con. %	Number Of Alive Per Replicate 1/13					1/14					Avg% Surv.
	A	B	C	D	E	A	B	C	D	E	
Control	8	8	8	8	8	8	8	8	8	8	100.0%
100	8	8	8	8	8	8	8	8	8	8	100.0%



Eurofins Environment Testing Bio-Aquatics
2501 Mayes Road, Suite 100
Carrollton, Texas 75006
Tel: 972-242-7750
Fax: 972-242-7749

24 HOUR ACUTE SURVIVAL

Organism: Pimephales promelas 24 Hr Acute

Client: **Pilgrim's Pride Corporation** Southwest WWP Lab ID: **99036**

Outfall Name 001 Sample Type Composite

TEST INSTRUCTIONS: NETDMR
START BY 1900

Date Test Started: 1-13-26 Time: 1624 Technician: MM

Date Test Ended: 1-14-26 Time: 1625 Technician: MM

Culture No. : PI-26-006A

Units %

Concentration	No. Surviving Organisms, 0 Hrs. A	B	C	D	E	No. Surviving Organisms, 24 Hrs. A	B	C	D	E
Control	8					8				
100	8					8				

Test Temperatures

	0Hr new	24Hr old
Control	25.4	25.4
100		
IR GUN ID #	020	020

Lined through spaces preceded by a number represent the same number. Lined spaces without a preceding number indicate unused or not applicable spaces.

APPENDIX A

STATISTICS SUMMARY

Both the lethal and sub-lethal endpoints were statistically calculated according to their respective EPA guidelines. The Chronic Freshwater organisms were calculated according to EPA-821-R-02-013, October 2002 Fourth Edition. The Chronic Marine and Estuarine organisms were calculated according to EPA-821-R-02-014, October 2002 Third Edition. The Acute Freshwater and Marine organisms were calculated according to EPA-821-R-02-012, October 2002 Fifth Edition. The fertilization organisms were calculated according to EPA-600-R-95-136 or EPA-600-R-12-022, dependent upon the species. Listed below are the basic principles of these guidelines. If you would like a copy of the raw statistical calculations for your test then please contact us.

The chronic and acute *Pimephales promelas* and *Menidia beryllina* survival data is analyzed using Shapiro Wilks Test and Bartlett's Test. If the data passes both tests then the data is run through ANOVA and Dunnetts (parametric). If the data fails Shapiro Wilks Test or Bartlett's Test then Steels Many One Test (non-parametric) is used. The chronic *Pimephales promelas* and *Menidia beryllina* growth data is analyzed using Shapiro Wilks Test and Bartlett's Test. If the data passes one of these tests then the data is run through ANOVA and Dunnetts. If the data fails Shipiro Wilks Test and Bartlett's Test then Steels Many One Test is used. Point estimation may also be used.

The chronic *Mysidopsis bahia* survival data is analyzed using Chi-square test and Bartlett's Test. If the data passes both tests then the data is run through ANOVA and Dunnetts. If the data fails Chi-square test or Bartlett's Test then Steels Many One Test is used. *Mysidopsis bahia* growth data is analyzed using Chi-square test and Bartlett's Test. If the data passes one of these tests then the data is run through ANOVA and Dunnetts. If the data fails Chi-square test and Bartlett's Test then Steels Many One Test is used. Point estimation may also be used.

The acute *Mysidopsis bahia* survival data is analyzed using Shapiro Wilks Test and Bartlett's Test. If the data passes both tests then the data is run through ANOVA and Dunnetts. If the data fails Shipiro Wilks Test or Bartlett's Test then Steels Many One Test is used. Point estimation may also be used.

The chronic *Ceriodaphnia dubia* survival data are analyzed using the Fisher's Exact Test. The chronic *Ceriodaphnia dubia* reproduction and are analyzed using the Chi-square test and Bartlett Test. If the data passes one of these tests then the data is run through ANOVA and Dunnetts. If the data fails Chi-square test and Bartlett's Test then Steels Many One Test is used. Point estimation may also be used.

The acute *Daphnia pulex* and *Ceriodaphnia dubia* survival data is analyzed using Shapiro Wilks Test and Bartlett's Test. If the data passes both tests then the data is run through ANOVA and Dunnetts. If the data fails Shapiro Wilks Test or Bartlett's Test then Steels Many One Test is used. Point estimation may also be used.

The fertilization data is analyzed using Shapiro Wilks Test and Bartlett's Test. If the data passes both tests then the data is run through ANOVA and Dunnetts. If the data fails Shapiro Wilks Test or Bartlett's Test then Steels Many One Test is used. Point estimation or TST methodology may also be used.

Eurofins Environment Testing Bio-Aquatics

FRESH WATER TEST SETUP FORM

Client: Pilgrim's Pride Corporation Permit WQ0003017000

Facility: Southwest WWP Lab Number 99036

Outfall Name: 001 Number of samples 1

Dilution Water: Synthetic Lab

Receiving Water: Tankersley Creek

Dechlorinate Sample: No

Sx #	Rcvd Date	Rcvd Time	Sampling Dates		Sampling Times	
			Begin Date	End Date	Start	End
1	01/12/26	11:35	01/11/26	01/12/26	08:00	07:00

Type of Test(s)

Daphnia pulex	24 Hr Acute
Pimephales promelas	24 Hr Acute

Dilution Water

Sample #	Hardness As mg/L $CaCO_3$	Alkalinity as mg/L $CaCO_3$
1	123	56

Start Sx # 1 Date: 1/13/2026

Renew Sx # _____ Date: _____

Renew Sx # _____ Date: _____

Renew Sx # _____ Date: _____

Renew Sx # _____ Date: _____

Renew Sx # _____ Date: _____

Renew Sx # _____ Date: _____

Test Start Date: 1/13/2026 Test End Date: 1/14/2026

Daphnia pulex Test Set Up: 5 Reps & 8 Organisms per Rep

Pimephales Test Set Up: 5 Reps & 8 Organism per Rep

Concentrations: 100 %

Test Chemistry on these dilutions: 100

Samples received by: ○ Express Delivery ○ UPS Next Day ○ via Air Cargo ○ DHL ○ Federal Express ○ the Client ◉ Bio-Aquatic personnel

Other: _____

Eurofins Environment Testing Bio-Aquatics

Hardness, Alkalinity, Residual Chlorine, Specific Conductivity, and Salinity Analysis Data

Client: Pilgrim's Pride Corporation **Lab ID:** 99036

Facility: Southwest WWP **Outfall:** 001

Dilution Water(s): Synthetic Lab **Test Date:** January 13, 2026

EFFLUENT PARAMETERS

Effluent Sample #	Received		Residual Cl_2 (mg/L)	DeChlor (ml/L)[1]	Ammonia (mg/L)	Analyst Initials	Temp. Received
	Date	Time					
1	1/12/26	11:35	<0.10	N/A	<0.25	CAP	3.1

[1]**Dechlorination Reagent:** 0.025 N Sodium Thiosulfate

Effluent Sample #	pH	DO (mg/L)	Hardness (mg/L $CaCO_3$)	Alkalinity (mg/L $CaCO_3$)	Conductivity (umhos/cm)	Analyst Initials
1	7.6	8.6	281	227	1484	CAP

DAILY RENEWAL CONDUCTIVITY**

Date		Sample #	Values are at Highest Dilution: Specific Conductivity as umhos/cm	Values are at Highest Dilution: Salinity (ppt)	Analyst
1/13	Lab H2O		358	0.2	MM
1/14	Lab H2O				SG
1/15	Lab H2O				
1/16	Lab H2O				
1/17	Lab H2O				
1/18	Lab H2O				
1/19	Lab H2O				
1/13	OUTFALL*	1	1498	0.8	MM
1/14	OUTFALL*				SG
1/15	OUTFALL*				
1/16	OUTFALL*				
1/17	OUTFALL*				
1/18	OUTFALL*				
1/19	OUTFALL*				

**Conductivity is taken on the highest remaining effluent concentration used for test renewal, not necessarily 100%

Analysis Methods: Chlorine: Hanna Colorimeter #HI711, Ammonia: Hanna Colorimeter #HI733, Hardness: Hanna Photometer #HI97735, Alkalinity: Hanna Colorimeter #HI775, pH, DO, Conductivity: Thermo Versa Star Benchtop Meter

Eurofins Environment Testing Bio-Aquatics

pH, Dissolved Oxygen

24 Hr Acute **Daphnia pulex**

Client: **Pilgrim's Pride Corporation** **Lab ID:** **99036**

Facility: **Southwest WWP** **Dilution Water(s):** **Synthetic Lab**

Outfall: **001** **Test Begin Date:** **January 13, 2026**

NR indicates that the test was not renewed

ANALYST	DATE	TIME	SX#	UNIT	Concentration							
					Control	100						
MM	1/13	Start	1	pH	7.5	7.6						
		25 ± 1		DO (mg/L)	7.5	7.8						
SG	1/14	24 Hr	1	pH	8.5	8.3						
		25 ± 1		DO (mg/L)	6.9	5.9						
		Renew		pH								
				DO (mg/L)								
	1/15	48 Hr		pH								
		25 ± 1		DO (mg/L)								
		Renew		pH								
				DO (mg/L)								
	1/16	72 Hr		pH								
		25 ± 1		DO (mg/L)								
		Renew		pH								
				DO (mg/L)								
	1/17	96 Hr		pH								
		25 ± 1		DO (mg/L)								
		Renew		pH								
				DO (mg/L)								
	1/18	120 Hr		pH								
		25 ± 1		DO (mg/L)								
		Renew		pH								
				DO (mg/L)								
	1/19	144 Hr		pH								
		25 ± 1		DO (mg/L)								
		Renew		pH								
				DO (mg/L)								
	1/20	168 Hr		pH								
		25 ± 1		DO (mg/L)								

Eurofins Environment Testing Bio-Aquatics

pH, Dissolved Oxygen

24 Hr Acute **Pimephales promelas**

Client: Pilgrim's Pride Corporation **Lab Number:** 99036

Facility: Southwest WWP **Dilution Water(s):** Synthetic Lab

Outfall: 001 **Test Begin Date:** January 13, 2026

NR indicates that the test is non-renewal.

ANALYST	DATE	TIME	SX#	UNIT	Concentration							
					Control	100						
MM	1/13	Start	1	pH	7.5	7.6						
		25 ± 1		DO (mg/L)	7.5	7.8						
SG	1/14	24 Hr	1	pH	7.9	8.1						
		25 ± 1		DO (mg/L)	6.9	6.2						
		Renew		pH								
				DO (mg/L)								
	1/15	48 Hr		pH								
		25 ± 1		DO (mg/L)								
		Renew		pH								
				DO (mg/L)								
	1/16	72 Hr		pH								
		25 ± 1		DO (mg/L)								
		Renew		pH								
				DO (mg/L)								
	1/17	96 Hr		pH								
		25 ± 1		DO (mg/L)								
		Renew		pH								
				DO (mg/L)								
	1/18	120 Hr		pH								
		25 ± 1		DO (mg/L)								
		Renew		pH								
				DO (mg/L)								
	1/19	144 Hr		pH								
		25 ± 1		DO (mg/L)								
		Renew		pH								
				DO (mg/L)								
	1/20	168 Hr		pH								
		25 ± 1		DO (mg/L)								

Appendix B

Daphnia pulex

EUROFINS ENVIRONMENT TESTING BIO-AQUATICS

Carrollton, TX

REFERENCE TOXICANTS

Eurofins Environment Testing Bio-Aquatics conducts reference toxicant testing monthly for organisms cultured in-house. For studies requiring purchased organisms, reference toxicant testing is performed simultaneously. Reference toxicant testing validates data and measures organism consistency. Only reagent grade chemicals are used of the following choices: sodium laurel sulfate (SLS), copper sulfate, copper chloride, potassium chloride, and sodium chloride. Organism responses are tracked with control charts for each reference toxicant/organism combination. The data are examined for sensitivity trends and to determine if results are within EPA described limits.

ACUTE REFERENCE TOXICANT TEST RESULTS

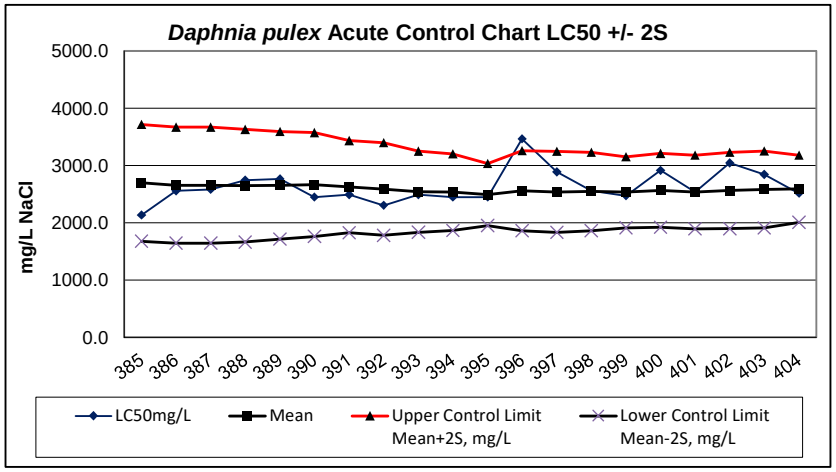
DILUTION WATER:	Standard Synthetic Freshwater						
CHEMICAL:	Sodium Chloride						
DURATION:	48 Hour Acute						
TEST NUMBER:	404						
PROJECT NUMBER:	98705						
START DATE:	10/29/2025						
START TIME:	16:40						
TOTAL NUMBER EXPOSED:	40 organisms per concentration						
CONCENTRATIONS (mg/L):	CON	250	500	1000	2000	3000	4000
NUMBER DEAD PER CONCENTRATION:	0	0	0	0	0	37	40
TEST METHODS:	Method 2021.0 As listed in EPA-821-R-02-012						
STATISTICAL METHODS:	SURVIVAL: Trimmed Spearman-Karber						

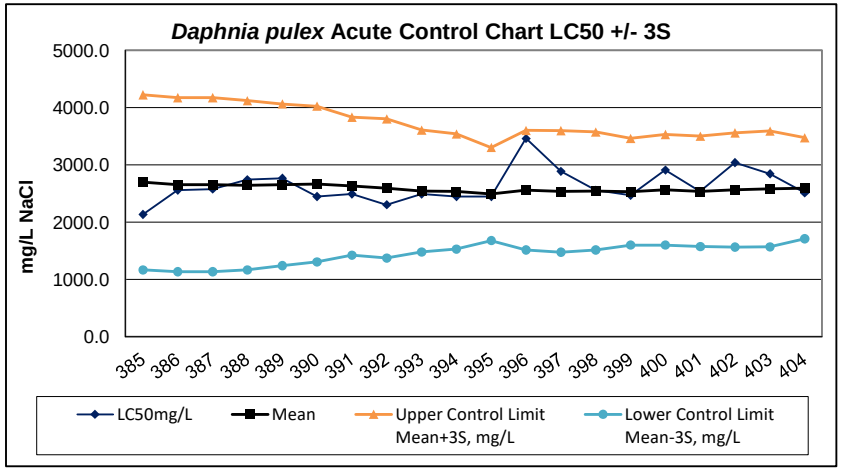
LC50:	2513.99	mg/L
95% LOWER CONFIDENCE LIMITS:	2442.46	mg/L
95% UPPER CONFIDENCE LIMITS:	2587.62	mg/L

REFERENCE TOXICANT STATISTICAL RESULTS: LC50 AND CONTROL LIMITS

Daphnia pulex EXPOSED TO SODIUM CHLORIDE, 48 HOUR STATIC RENEWAL

Test Number	Date	Project Number	Toxicant Lot Number	Statistical Method	LC50mg/L	Mean	Twice Standard Deviation 2S	Upper Control Limit Mean+2S, mg/L	Lower Control Limit Mean-2S, mg/L	Thrice Standard Deviation 3S	Upper Control Limit Mean+3S, mg/L	Lower Control Limit Mean-3S, mg/L	Cumulative CV%
385	3/26/2024	92309	307414	Trimmed Spearman-Karber	2135.2	2697.7	1019.2	3716.8	1678.5	1528.7	4226.4	1168.9	14.9
386	4/30/2024	92518	307414	Trimmed Spearman-Karber	2557.9	2656.5	1012.5	3669.0	1643.9	1518.8	4175.3	1137.7	15.1
387	5/30/2024	92909	307414	Trimmed Spearman-Karber	2580.2	2654.0	1012.9	3666.9	1641.1	1519.4	4173.4	1134.6	15.1
388	6/25/2024	93032	307414	Trimmed Spearman-Karber	2741.5	2645.7	985.0	3630.7	1660.8	1477.4	4123.2	1168.3	15.1
389	7/24/2024	93134	312303	Trimmed Spearman-Karber	2765.4	2652.1	941.2	3593.3	1710.9	1411.8	4063.9	1240.3	15.1
390	8/29/2024	93317	312303	Trimmed Spearman-Karber	2449.5	2666.4	906.8	3573.2	1759.6	1360.2	4026.5	1306.2	15.0
391	9/30/2024	93473	312303	Trimmed Spearman-Karber	2492.7	2629.7	803.0	3432.7	1826.6	1204.6	3834.2	1425.1	15.1
392	10/29/2024	93660	312303	Trimmed Spearman-Karber	2303.5	2588.7	810.2	3398.9	1778.5	1215.2	3804.0	1373.5	15.4
393	11/26/2024	94790	312303	Trimmed Spearman-Karber	2492.3	2542.7	708.6	3251.3	1834.0	1063.0	3605.7	1479.7	15.6
394	12/24/2024	95138	330304	Trimmed Spearman-Karber	2449.5	2534.7	669.9	3204.6	1864.8	1004.9	3539.6	1529.8	15.7
395	1/21/2025	96189	330304	Trimmed Spearman-Karber	2449.5	2492.6	541.2	3033.8	1951.4	811.8	3304.5	1680.8	15.9
396	2/26/2025	97356	312303	Trimmed Spearman-Karber	3464.1	2559.1	696.9	3256.0	1862.3	1045.3	3604.4	1513.8	15.6
397	3/25/2025	97613	312303	Trimmed Spearman-Karber	2887.8	2537.7	707.7	3245.4	1830.0	1061.6	3599.3	1476.2	15.7
398	4/29/2025	97774	312303	Trimmed Spearman-Karber	2557.9	2545.4	686.1	3231.5	1859.4	1029.1	3574.5	1516.4	15.6
399	5/27/2025	97849	432706B	Trimmed Spearman-Karber	2470.8	2532.1	620.6	3152.6	1911.5	930.9	3462.9	1601.2	15.7
400	6/24/2025	97961	432706B	Trimmed Spearman-Karber	2913.0	2566.1	644.5	3210.6	1921.5	966.8	3532.8	1599.3	15.5
401	7/29/2025	98117	432706B	Trimmed Spearman-Karber	2535.9	2536.9	643.1	3180.1	1893.8	964.7	3501.6	1572.3	15.6
402	8/26/2025	98197	432706B	Trimmed Spearman-Karber	3041.9	2562.9	665.6	3228.5	1897.3	998.4	3561.3	1564.5	15.4
403	9/30/2025	98376	432706A	Trimmed Spearman-Karber	2844.2	2580.8	674.0	3254.9	1906.8	1011.0	3591.9	1569.8	15.3
404	10/29/2025	98705	432706A	Trimmed Spearman-Karber	2514.0	2592.1	586.9	3179.0	2005.2	880.3	3472.4	1711.8	15.2





Appendix B

Pimephales promelas

EUROFINS ENVIRONMENT TESTING BIO-AQUATICS

Carrollton, TX

REFERENCE TOXICANTS

Eurofins Environment Testing Bio-Aquatics conducts reference toxicant testing monthly for organisms cultured in-house. For studies requiring purchased organisms, reference toxicant testing is performed simultaneously. Reference toxicant testing validates data and measures organism consistency. Only reagent grade chemicals are used of the following choices: sodium laurel sulfate (SLS), copper sulfate, copper chloride, potassium chloride, and sodium chloride. Organism responses are tracked with control charts for each reference toxicant/organism combination. The data are examined for sensitivity trends and to determine if results are within EPA described limits.

ACUTE REFERENCE TOXICANT TEST RESULTS

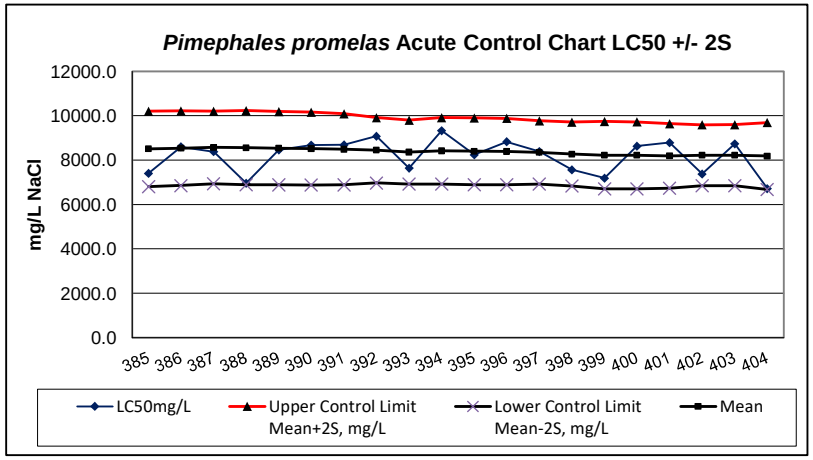
DILUTION WATER:	Standard Synthetic Freshwater						
CHEMICAL:	Sodium Chloride						
DURATION:	48 Hour Acute						
TEST NUMBER:	404						
PROJECT NUMBER:	98703						
START DATE:	10/29/2025						
START TIME:	17:10						
TOTAL NUMBER EXPOSED:	40 organisms per concentration						
CONCENTRATIONS (mg/L):	CON	2000	4000	6000	8000	10000	12000
NUMBER DEAD PER CONCENTRATION:	0	0	0	5	38	40	40
TEST METHODS:	Method 2000.0 As listed in EPA-821-R-02-012						
STATISTICAL METHODS:	SURVIVAL: Trimmed Spearman-Karber						

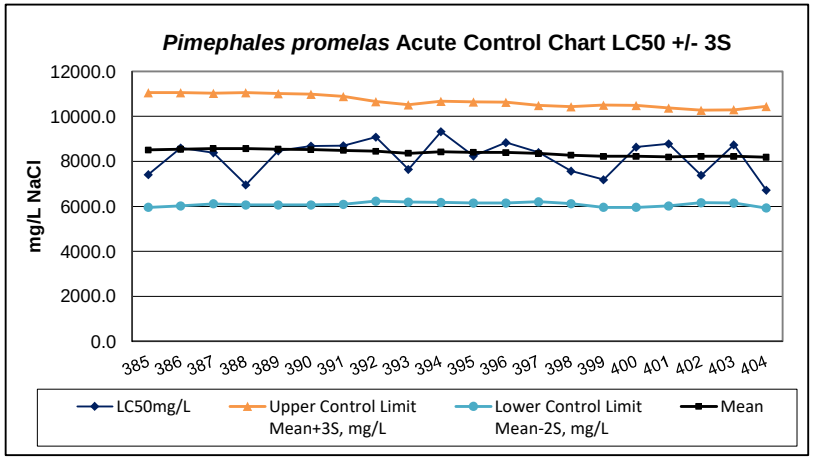
LC50:	6719.74	mg/L
95% LOWER CONFIDENCE LIMITS:	6454.36	mg/L
95% UPPER CONFIDENCE LIMITS:	6996.03	mg/L

REFERENCE TOXICANT STATISTICAL RESULTS: LC50 AND CONTROL LIMITS

Pimephales promelas **EXPOSED TO SODIUM CHLORIDE, 48 HOUR STATIC RENEWAL**

Test Number	Date	Project Number	Toxicant Lot Number	Statistical Method	LC50mg/L	Mean	Twice Standard Deviation 2S	Upper Control Limit Mean+2S, mg/L	Lower Control Limit Mean-2S, mg/L	Thrice Standard Deviation 3S	Upper Control Limit Mean+3S, mg/L	Lower Control Limit Mean-3S, mg/L	Cumulative CV%
385	3/26/2024	92310	307414	Trimmed Spearman-Karber	7404.9	8507.7	1699.0	10206.8	6808.7	2548.5	11056.3	5959.2	11.5
386	4/30/2024	92519	307414	Trimmed Spearman-Karber	8596.1	8539.9	1679.1	10219.0	6860.8	2518.7	11058.5	6021.2	11.5
387	5/31/2024	92910	307414	Trimmed Spearman-Karber	8380.0	8572.9	1636.6	10209.5	6936.3	2454.9	11027.8	6118.1	11.4
388	6/25/2024	93033	307414	Trimmed Spearman-Karber	6960.5	8565.4	1665.8	10231.2	6899.6	2498.7	11064.2	6066.7	11.5
389	7/24/2024	93135	312303	Trimmed Spearman-Karber	8466.5	8537.0	1651.4	10188.4	6885.6	2477.1	11014.1	6059.9	11.5
390	8/29/2024	93318	312303	Trimmed Spearman-Karber	8682.6	8521.1	1638.7	10159.8	6882.4	2458.1	10979.2	6063.0	11.5
391	9/30/2024	93474	312303	Trimmed Spearman-Karber	8690.6	8490.4	1599.4	10089.7	6891.0	2399.0	10889.4	6091.3	11.5
392	10/29/2024	93661	312303	Trimmed Spearman-Karber	9079.5	8446.8	1474.2	9921.0	6972.5	2211.3	10658.1	6235.4	11.5
393	11/26/2024	94791	312303	Trimmed Spearman-Karber	7647.9	8359.2	1443.9	9803.1	6915.4	2165.8	10525.0	6193.4	11.7
394	12/24/2024	95139	330304	Trimmed Spearman-Karber	9325.3	8420.1	1500.8	9920.9	6919.2	2251.2	10671.3	6168.8	11.6
395	1/21/2025	96190	330304	Trimmed Spearman-Karber	8245.1	8400.4	1499.1	9899.5	6901.3	2248.6	10649.0	6151.8	11.6
396	2/26/2025	97357	312303	Trimmed Spearman-Karber	8832.9	8394.8	1491.4	9886.2	6903.4	2237.1	10631.9	6157.7	11.6
397	3/26/2025	97614	312303	Trimmed Spearman-Karber	8394.1	8349.3	1428.8	9778.1	6920.5	2143.1	10492.4	6206.2	11.6
398	4/30/2025	97775	312303	Trimmed Spearman-Karber	7564.9	8277.4	1434.9	9712.2	6842.5	2152.3	10429.7	6125.0	11.7
399	5/27/2025	97850	432706B	Trimmed Spearman-Karber	7187.9	8225.2	1515.5	9740.7	6709.6	2273.3	10498.5	5951.9	11.8
400	6/25/2025	97962	432706B	Trimmed Spearman-Karber	8634.5	8219.6	1508.2	9727.8	6711.3	2262.3	10481.9	5957.2	11.8
401	7/30/2025	98119	432706B	Trimmed Spearman-Karber	8787.5	8195.6	1452.3	9647.8	6743.3	2178.4	10374.0	6017.2	11.8
402	8/27/2025	98199	432706B	Trimmed Spearman-Karber	7378.4	8220.7	1371.4	9592.1	6849.3	2057.1	10277.8	6163.6	11.8
403	9/30/2025	98378	432706A	Trimmed Spearman-Karber	8736.3	8226.5	1379.6	9606.1	6847.0	2069.3	10295.8	6157.2	11.7
404	10/29/2025	98703	432706A	Trimmed Spearman-Karber	6719.7	8185.8	1507.8	9693.5	6678.0	2261.7	10447.4	5924.1	11.9





APPENDIX C

LITERATURE REFERENCES

U.S.E.P.A., 2002. Short-Term Methods For Estimating The Chronic Toxicity Of Effluents And Receiving Water To Freshwater Organisms (Fifth Edition) U.S. Environmental Protection Agency, Office of Water, Washington D.C., EPA-821-R-02-012.

U.S.E.P.A., 2002. Short-Term Methods For Estimating The Chronic Toxicity Of Effluents and Receiving Water To Marine And Estuarine Organisms (Third Edition) U.S. Environmental Protection Agency, Office of Water, Washington D.C., EPA-821-R-02-014.

U.S.E.P.A., 2002. Short-Term Methods For Estimating The Chronic Toxicity Of Effluents And Receiving Water To Freshwater Organisms (Fourth Edition) U.S. Environmental Protection Agency, Office of Water, Washington D.C., EPA-821-R-02-013.

U.S.E.P.A., 2012. Tropical Collector Urchin, *Tripneustes gratilla* (First Edition) U.S. Environmental Protection Agency, Office of Research and Development and Region 9, EPA-600-R-12-022.

U.S.E.P.A., 1995. Short-Term Methods For Estimating The Chronic Toxicity Of Effluents And Receiving Water To West Coast Marine and Estuarine Organisms (First Edition) U.S. Environmental Protection Agency, EPA-600-R-95-136.

U.S.E.P.A., 2010. National Pollutant Discharge Elimination System Test of Significant Toxicity Technical Document, U.S. Environmental Protection Agency, Office of Wastewater, Washington D.C., EPA-833-R-10-004.

U.S.E.P.A., 1991. Technical Support Document For Water Quality-Based Toxics Control, U.S. Environmental Protection Agency, EPA-505-2-90-001.

Zarr, Jerrold, H., 1984. Biostatistical Analysis, (Second Edition). Prentice-Hall, Inc., Englewood Cliffs, N.J.

CHAIN-OF-CUSTODY SHEETS

Appendix D

eurofins | Environment Testing Bio-Aquatics

2501 MAYES RD., STE. 100, CARROLLTON, TX 75006, PH: 972-242-7750

CHAIN OF CUSTODY

☐ Bio Only: No Sample Left

Lab Id : 99035

Please Review & Complete Sections A, B, C, & D.

Sample No: 99035 – ____ (Revision 2, Effective Date 9/25/2017)

Check Sample No. : ____ First, ____ Second, or ____ Third.

P.O. No: 4530685273

Report Date: 02/09/2026 Revision 0

Client: Pilgrim's Pride Corporation

Facility: Southwest WWP

Permit WQ0003017000

Outfall 001

Client Contact: JAMES (CODY) HOWELL

Client Phone: (903) 575-3931

A. REVIEW SCHEDULED TEST(s):

Chronic	Ceriodaphnia dubia
Chronic	Pimephales promelas

Concentration: 31 41 55 80 98

(For TX) Setup separate 24hr Acute Test? Yes

To Ship the 1st Sample on: 1/12/2026

B. Use area below to make changes, if the Scheduled Test(s) in "A" are incorrect:

Freshwater Species					Saltwater Species	
C. dubia (water flea)	*D. pulex (water flea)*	*D. magna (water flea)*	*P. promelas (minnow)*	*Selenastrum (green algae)*	*M. beryllina (minnow)*	*Mysidopsis (shrimp)*
☐Chronic ☐96 Hour ☐48 Hour ☐24 Hour	☐Chronic ☐96 Hour ☐48 Hour ☐24 Hour	☐Chronic ☐96 Hour ☐48 Hour ☐24 Hour	☐Chronic ☐96 Hour ☐48 Hour ☐24 Hour	☐96 Hour ☐48 Hour ☐24 Hour	☐Chronic ☐96 Hour ☐48 Hour ☐24 Hour	☐Chronic ☐96 Hour ☐48 Hour ☐24 Hour

Notes: 1st Qtr
Add 24hr acute

20 of 23

C.

	Sample ID or Location: (Outfall No. or Name)	Sample Type: E = Effluent, RS = Rec. Stream, S = Sediment	Sample Date From	Sample Date To	Sample Time (military) From	Sample Time (military) To	Grab or Composite	Sampled By: (Sign and Print Name)	Number Of Containers Shipped
1	001	E	1/11/26	1/12/26	0800	0700	Comp	Wayne Woodle Wgf Woodle	1
2									
3									

D.

	Relinquished By:	Date	Time	Received By:	Date	Time
1	Wgf Woodle	1/12/26	1135		1-12-26	1135
2		1-12-26	1745	Christian Perez	1.13.26	1020
3						

EETE Lab ID: 99036

Bio-Aquatic Sample Login

BAT sample personnel: ● Yes ○ No

Dechlorinate Sample: ○ Yes ● No

Dilution Water: ○ Receiving Stream ◉ Synthetic Lab

Date: 1.13.26	Time: 1020	By: CAP	Temperature: 3.1 (C)	IR#: 026	
Chlorine: <.10 mg/l	Ammonia: <.25 mg/l	Int. Sal\Cond: 1484 ppt/uS	Adj. Salinity ppt		
pH: 7.6	Hardness: 281 mg/l (MR)	Other			
DO: 8.6 mg/l	Alkalinity: 227 mg/l (OK)	Condition: Good			

REGULATORY AGENCY TABLES

Appendix E

Table 2 (Sheet 1 of 2)

BIOMONITORING REPORT

Daphnia pulex SURVIVAL TEST

Permittee: Pilgrim's Pride Corporation - Southwest WWP

Permit No.: WQ0003017000

Outfall No.: 001

Dates and times Composites were collected:	Date/Time	Date/Time
FROM:	1/11/2026 @ 08:00	TO: 1/12/2026 @ 07:00

Test Initiation: Time: 18:59 Date: 1/13/2026

Dilution Water Used: [ ] Receiving Water [X] Synthetic Dilution Water

DATA TABLE FOR SURVIVAL OF *Daphnia pulex*

TIME	REPLICATE	EFFLUENT CONC. (%)	
		0%	100 %
24 HOUR	A	100	100
	B	100	100
	C	100	100
	D	100	100
	E	100	100
MEAN		100	100

Is the mean survival at 24 hours in the 100% effluent greater than 50%?

CRITICAL DILUTION (100 %) : X YES _____ NO

If yes is checked enter a '0' for Parameter TIE3D, otherwise enter '1'.

Enter the percent effluent corresponding to LC50 below:

24 Hour LC50 (Daphnia pulex) = >100 % Effluent

95 % Confidence Interval : *Q

Method of LC50 Calculation: Visual Inspection

Q* refers to a value that is not calculable

Table 2 (Sheet 2 of 2)

BIOMONITORING REPORT

Pimephales promelas SURVIVAL TEST

Permittee: Pilgrim's Pride Corporation - Southwest WWP

Permit No.: WQ0003017000

Outfall No.: 001

		Date/Time		Date/Time
Dates and times Composites were collected:	FROM:	1/11/2026 @ 08:00	TO:	1/12/2026 @ 07:00

Test Initiation: Time: 16:24 Date: 1/13/2026

Dilution Water Used: [ ] Receiving Water [X] Synthetic Dilution Water

DATA TABLE FOR SURVIVAL OF *Pimephales promelas*

TIME	REPLICATE	EFFLUENT CONC. (%)	
		0%	100 %
24 HOUR	A	100	100
	B	100	100
	C	100	100
	D	100	100
	E	100	100
MEAN		100	100

Is the mean survival at 24 hours in the 100% effluent greater than 50%?

CRITICAL DILUTION (100 %) : X YES _____ NO

If yes is checked enter a '0' for Parameter TIE6C, otherwise enter '1'.

Enter the percent effluent corresponding to LC50 below:

24 Hour LC50 (Pimephales promelas) = >100 % Effluent

95 % Confidence Interval : *Q

Method of LC50 Calculation: Visual Inspection

Q* refers to a value that is not calculable