



July 06, 2021

Mike Cole **EEG** 220 N Knoxville Avenue Russellville, AR 72801

RE: Project: PCW EFFLUENT WET, L246-057818

Pace Project No.: 60372830

Dear Mike Cole:

Enclosed are the analytical results for sample(s) received by the laboratory on June 22, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

• Pace Analytical Services - SE Kansas

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jamie Church jamie.church@pacelabs.com 314-838-7223

Parmi Church

Project Manager

Enclosures

cc: Mike Cole, Environmental Enterprise Group, Inc.

Stacy Ness, EEG

Stacy Ness-copy invoice, EEG, Inc.





Pace Analytical www.pacelabs.com

Lenexa, KS 66219 (913)599-5665

CERTIFICATIONS

Project: PCW EFFLUENT WET, L246-057818

Pace Project No.: 60372830

Pace Analytical Services Southeast Kansas

808 West McKay, Frontenac, KS 66763 Arkansas Certification #: 18-016-0

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10426

Louisiana Certification #: 03055 Oklahoma Certification #: 9935 Texas Certification #: T104704407 Utah Certification #: KS00021

REPORT OF LABORATORY ANALYSIS





SAMPLE SUMMARY

Project: PCW EFFLUENT WET, L246-057818

Pace Project No.: 60372830

Lab ID	ab ID Sample ID		Date Collected	Date Received
60372830001	OUTFALL 001	Water	06/21/21 07:25	06/22/21 08:00

REPORT OF LABORATORY ANALYSIS



SAMPLE ANALYTE COUNT

Project: PCW EFFLUENT WET, L246-057818

Pace Project No.: 60372830

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60372830001	OUTFALL 001	EPA 821/R-02/013	TDH	1	PASI-SE

PASI-SE = Pace Analytical Services - SE Kansas



ANALYTICAL RESULTS

Project: PCW EFFLUENT WET, L246-057818

Pace Project No.: 60372830

Date: 07/06/2021 08:22 AM

Sample: OUTFALL 001	Lab ID: 603	372830001	Collected: 06/21/2	21 07:25	Received: 06	5/22/21 08:00 N	Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Chronic Toxicity	Analytical Met Pace Analytic							
Toxicity, Chronic	Complete		1.0	1		06/22/21 11:00)	



QUALIFIERS

Project: PCW EFFLUENT WET, L246-057818

Pace Project No.: 60372830

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

Date: 07/06/2021 08:22 AM



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PCW EFFLUENT WET, L246-057818

Pace Project No.: 60372830

Date: 07/06/2021 08:22 AM

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60372830001	OUTFALL 001	EPA 821/R-02/013	730095		



Sample Condition Upon Receipt



Client Name: EEG City Corpora	Hon	
Courier: FedEx □ UPS □ VIA) 区 Clay □	PEX 🗆 ECI 🗆	Pace Xroads Client Other
	ace Shipping Label Use	
Custody Seal on Cooler/Box Present: Yes X No □	Seals intact: Yes >	
Packing Material: Bubble Wrap □ Bubble Bags		None X Other 🖸
N man n	of Icer VVET Blue No	Date and initials of person
Cooler Temperature (°C): As-read <u>2.6</u> Corr. Fa	ctor8 Correc	ted /. 8 examining contents
Temperature should be above freezing to 6°C		(4/24/21 8°0
Chain of Custody present:	XYes DNo DN/A	
Chain of Custody relinquished:	Yes DNo DN/A	
Samples arrived within holding time:	⊈Yes □No □N/A	× .
Short Hold Time analyses (<72hr):	XYes □No □N/A	*
Rush Turn Around Time requested:	□Yes, XNo □N/A	
Sufficient volume:	XYes □No □N/A	
Correct containers used:	XYes □No □N/A	
Pace containers used:	XYes □No □N/A	
Containers intact:	XYes 🗆 No 🗆 N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	□Yes □No XN/A	
Filtered volume received for dissolved tests?	□Yes □No XN/A	
Sample labels match COC: Date / time / ID / analyses	XYes □No □N/A	· .
Samples contain multiple phases? Matrix:	☐Yes XNo ☐N/A	
Containers requiring pH preservation in compliance?	□Yes □No XN/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
(HNO ₃ , H₂SO ₄ , HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO)	÷	date/time added.
Cyanide water sample checks:		
Lead acetate strip turns dark? (Record only)	□Yes □No	
Potassium iodide test strip turns blue/purple? (Preserve)	☐Yes ☐No	A Company of the Comp
Trip Blank present:	□Yes □No XN/A	
Headspace in VOA vials (>6mm):	□Yes □No XN/A	* 5
Samples from USDA Regulated Area: State:	□Yes □No XN/A	
Additional labels attached to 5035A / TX1005 vials in the fiel	d? □Yes □No Xx/A	= 1
Client Notification/ Resolution: Copy COC	to Client? Y / N	Field Data Required? Y / N
	/Time:	
Comments/ Resolution:	,	
DEVIEWED		
Project Manager Pavious		· · · · · · · · · · · · · · · · · · ·
Project Manager Review: By jchurch at 10:48 am, 6/23/21	Date	e;

L246-057818 Environmental Enterprise Group, Inc. PROVIDING CUSTOMIZED SERVICES NATIONWIDE

Environmental Enterprise Group, Inc. 220 North Knoxville Russellville, Arkansas 72801 (479) 968-6767 Fax (479) 968-1956

		Requested Analysis	I	
City Corporation	(479) 968-4989			
Address: Fax #:	#			
ville, AR 72811-3186	(479) 968-3430		Laboratory	
Project Name or Number:	Purchase Order #:		Control	Remarks
PCW EAPLOND WET TESTING	4114		Number	(Please note special
Sampling Personnel Signature(s): Sroks Terbo	Printed: Brooks Tector		\$	
grate Lat	- 1	_	55	
Cont Type	Method Preserved	Sample Matrix E	De la company de	
24 Hr Co Grab Plast. Glass	Containers HASSO4 HACL ICE	Water Soil Sludge Other Mio-M	200	
Outfall 001 off -Lavas 42-725 X	×		Pour cold	
				*
Relinquished by: Roll (A	Date: Time: 6/21/21 830	Received by:	Date:	Time:
Received by:	Date: Time:	Relinquished by:	Date:	Time:
Relinquished by:	Date: Time:	Received by Laboratory:	Date: [4]	Time:
Comments:				

CHRONIC TOXICITY TEST FOR EEG CITY CORPORATION

PERMIT # AR 0021768 AFIN # 58-00105

PERFORMED ON:

Pimephales promelas

and

Ceriodaphnia dubia

PREPARED FOR:

Environmental Enterprise Group Inc. P.O BOX 3186 Russellville, AR 72811-3186 479-968-4989

PREPARED BY:
Pace Analytical Services, Inc.
808 West McKay
Frontenac, KS 66763
1-620-235-0003

July 1, 2021

TABLE OF CONTENTS

SECTION	PAGE
SUMMARY	3
INTRODUCTION	4
TEST MATERIAL	4
TEST METHODS	4
TEST ORGANISMS	4
TEST CONDITIONS	8
TEST VALIDITY	12
REFERENCE TOXICANT SUMMARY	13
APPENDIX A – STATISTICAL ANALYSIS	
APPENDIX B - CHAIN OF CUSTODY FORMS	

SUMMARY

A Chronic Whole Effluent Toxicity Test using the 7-day chronic fathead minnows (<u>Pimephales promelas</u>), static renewal larval survival and growth test, and three brood 7-day chronic Cladoceran (<u>Ceriodaphnia dubia</u>), static renewal survival and reproduction test, was conducted on effluent discharge water collected at the EEG CITY CORPORATION effluent discharge from June 21, 2021 to June 25, 2021. All the test methods followed are as listed in <u>EPA 821-R-02-013</u>, "Short Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms."

Statistically significant (p<0.05) mortality is determined by Dunnet's procedure using average percent survival of each test concentration versus the average survival of the controls. If significant mortality occurs, median lethal concentrations are calculated using effluent concentrations and their corresponding percent mortality data. The 95% confidence intervals are calculated where appropriate by the Spearman-Karber method. Statistical analysis is accomplished by following steps in EPA 821-R-02-013, November 2002 and by use of Toxstat version 3.4.

In minnow section of testing, it was observed that the effluent had no significant effect on the survival of the larvae at the 100% concentration. No significant mortality was observed in the other effluent concentrations after the 7-day exposure period. The No Observed Effect Concentration (NOEC) was determined to be 100% for survival. No significant reduction in growth was observed in the 100% effluent concentration. The Toxic Units is <1. The IC25 is >100. The NOEC for growth in effluent was determined to be 100%. The PMSD is 11.5.

In Cladoceran section of testing, it was observed that the effluent had no significant effect on the survival of the organisms in the 100% effluent concentration. No significant mortality was observed in the other effluent concentrations after the 7-day exposure period. The No Observed Effect Concentration (NOEC) was determined to be 100% for survival. No significant reduction in reproduction was observed in the 100% effluent concentrations. The Toxic Units is <1. The IC25 is >100. The NOEC for reproduction in effluent was determined to be 100%. The PMSD is 14.6.

The chronic toxicity exhibited by the fathead minnows and the <u>Ceriodaphnia</u> treated by the effluent sampled from June 21 to June 25 from the EEG CITY CORPORATION. effluent discharge, is acceptable as described in <u>EPA 821-R-02-013</u>.

INTRODUCTION

Pace Analytical was contracted to perform this chronic toxicity test on effluent from the EEG CITY CORPORATION effluent discharge. Chronic toxicity was measured using the <u>Pimephales promelas</u> at larval for survival and growth test and the <u>Ceriodaphnia dubia</u> survival and reproduction test described in <u>EPA 821-R-02-013</u>, "Short Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms." The raw data of the study is stored at Pace Analytical Services, INC. 808 West McKay, Frontenac, KS 66763.

TEST MATERIAL

EEG CITY CORPORATION personnel collected sampling of the effluent. A sample of the effluent was delivered to Pace by commercial carrier on 6-22-21. Subsequent samples followed by delivery on 6-24-21, and on 6-25-21. All samples were stored at \leq 6° Celsius. Moderately Hard Synthetic Water was used as a control and also to make the required dilutions in the test as described in EPA 821-R-02-013.

TEST METHODS

Pace used EPA test method 1000.0 for conducting the Fathead Minnow, Pimephales promelas, Larval Survival and Growth Test. EPA test method 1002.0 was used for conducting the Cladoceran, Ceriodaphnia dubia, Survival and Reproduction Test. The tests were conducted to estimate the NOEC, and LOEC for survival, growth, and reproduction of these test species.

The <u>Pimephales</u> and <u>Ceriodaphnia</u> tests were initiated on 6-22-21 and carried out until 6-29-21. The Pimephales tests were conducted in 500 ml plastic jars with 250 ml of test solution. Ten larvae were placed in each of at least 5 replicates to make a total of 50 larvae per sample concentration. The <u>Ceriodaphnia</u> tests were carried out in 35ml vials containing 25 ml of test solution. One Neonate was placed in each of 10 replicates to make a total of 10 neonates per sample concentration.

TEST ORGANISMS

Organisms used in these tests were cultured at Pace under controlled temperature and photo period conditions and/or were purchased from an external supplier. Pace maintains records of culture techniques for all organisms, whether produced in house or purchased.

Results

TABLE 1

Permittee: EEG CITY CORPORATION. Effluent discharge.

Date Sampled No. 1: 6-21-21 7:25

No. 2: 6-23-21 7:30

No. 3: 6-25-21 7:23

Test Initiated: 11:00 Date: 6-22-21 Test End: 11:20 Date: 6-29-21

Critical Dilution:	100%		
Ceriodaphnia dubia	Results		
TLP3B	0		
TGP3B	0		
ТОРЗВ	100		
TPP3B	100		
TQP3B	15.10		
Pimephales promelas	Results		
TLP6C	0		
TGP6C	0		
TOP6C	100		
TPP6C	100		
TQP6C	11.60		
Pimephales promelas TLP6C TGP6C TOP6C TPP6C	Results 0 0 100 100		

Dilution Water used: Moderately Hard Synthetic Water

FATHEAD MINNOW LARVAE GROWTH AND SURVIVAL (Pimephales promelas)

DATA TABLE FOR GROWTH OF FATHEAD MINNOWS

DATA TABLE FOR GROWITT OF TATTLEAD WINNOW							
Effluent Concentration		Replica	eight in Mi te Chamb	Mean Dry Weight	CV% *		
(%)	A	В	C	D	Е	(mg)	
Control 0%	0.425	0.429	0.500	0.484	0.469	0.461	7.22
Dilution 1 32%	0.433	0.426	0.464	0.466	0.502	0.458	6.62
Dilution 2 42%	0.465	0.448	0.478	0.466	0.498	0.471	3.93
Dilution 3 56%	0.410	0.435	0.399	0.485	0.500	0.446	10.07
Dilution 4 75%	0.468	0.504	0.509	0.501	0.464	0.489	4.38
Dilution 5 100%	0.480	0.363	0.445	0.463	0.497	0.450	11.60

^{*} Coefficient of Variation = Standard Deviation X 100 / Mean

FATHEAD MINNOW SURVIVAL

Conc. %	Pe		urvival ii Chambe	n Replica	Mean Percent Survival			CV %	
	Α	В	С	D	E	24hr	48hr	7 day	
Control 0%	90	90	100	100	100	100	100	96.0	6.63
Dilution 1 32%	100	100	100	100	100	100	100	100	0.00
Dilution 2 42%	100	90	100	100	100	100	100	98.0	5.28
Dilution 3 56%	100	100	100	100	100	100	100	100	0.00
Dilution 4 75%	100	100	100	100	100	100	100	100	0.00
Dilution 5 100%	100	80	100	100	100	100	100	96.0	10.09

Permittee: EEG CITY CORPORATION. Effluent discharge.

CERIODAPHNIA SURVIVAL AND REPRODUCTION

DATA TABLE FOR CERIODAPHNIA YOUNG PRODUCTION

Replicate	Control	Dilution 1	Dilution 2	Dilution 3	Dilution 4	Dilution 5
·	0%	32%	42%	56%	75%	100%
1	22	21	15	23	17	19
2	19	23	23	17	22	26
3	21	21	18	26	23	24
4	22	26	25	21	27	24
5	19	22	23	25	16	17
6	23	23	16	25	24	22
7	24	23	27	21	24	22
8	23	22	23	19	22	29
9	23	21	19	23	22	25
10	25	27	26	18	23	26
Mean	22.1	22.9	21.5	21.8	22.0	23.4
SD	1.969	2.079	4.223	3.120	3.266	3.534
CV %	8.91	9.08	19.64	14.31	14.85	15.10

CERIODAPHNIA MEAN PERCENT SURVIVAL

Percent Effluent (%)								
Time	Control	Dilution 1	Dilution 2	Dilution 3	Dilution 4	Dilution 5		
Elapsed	0%	32%	42%	56%	75%	100%		
24 hrs	100	100	100	100	100	100		
48 hrs	100	100	100	100	100	100		
7-day	100	100	100	100	100	100		
SD	0.0	0.0	0.0	0.0	0.0	0.0		
CV %	0.0	0.0	0.0	0.0	0.0	0.0		

SUMMARY OF TEST CONDITIONS FOR THE FATHEAD MINNOW (Pimephales promelas) LARVAL SURVIVAL AND GROWTH TEST

(Pimephales promelas) LARVAL	SURVIVAL AND GROWTH TEST
1. Test type	Static renewal
2. Temperature	25 degrees Celsius
3. Light quality	Ambient laboratory light
4. Light intensity	Ambient laboratory levels
5. Photoperiod	16 hr light, 8 hr dark
6. Test chamber size	500 ml
7. Test solution volume	250 ml
8. Renewal of test concentrations	Daily
9. Age of test organism	< 24 hours
10. No. larvae/chamber	10
11. No. replicates/concentration	5
12. No. larvae/concentration	50
13. Feeding regime	Feed 0.15 g newly hatched brine shrimp nauplii two times daily. Larvae are not fed 12 hours prior to termination of test.
14. Cleaning	Siphon daily, immediately before test solution renewal
15. Aeration	None
16. Dilution Water	Moderately Hard Synthetic Water prepared with MILLI-Q deionized water and reagent grade chemicals
17. Effluent concentrations	0%, 32%, 42%, 56%, 75%, 100%
18. Test duration	7 days
19. Endpoints	Survival and growth
20. Test acceptability	80% or greater survival in the controls, Average dry weight in controls >0.25 mg, Coefficient of variation in the control must not exceed 40%.

TABLE 2 (CONT.) SUMMARY OF TEST CONDITIONS FOR THE CLADOCERAN (Ceriodaphnia dubia) SURVIVAL AND REPRODUCTION TEST

	AL AND REPRODUCTION TEST
1. Test type	Static renewal
2. Temperature	25 degrees Celsius
3. Light quality	Ambient laboratory light
4. Light intensity	Ambient laboratory levels
5. Photoperiod	16 hr light, 8 hr dark
6. Test chamber size	30 ml
7. Test solution volume	25 ml
8. Renewal of test concentrations	Daily
9. Age of test organism	< 24 hours
10. No. larvae/chamber	1
11. No. replicates/concentration	10
12. No. larvae/concentration	10
13. Feeding regime	Feed 0.1 ml YCT and 0.1 ml of Algae daily. Larvae are not fed 12 hours prior to termination of test.
14. Cleaning	Siphon daily, immediately before test solution renewal
15. Aeration	None
16. Dilution Water	Moderately Hard Synthetic Water prepared with MILLI-Q deionized water and reagent grade chemicals
17. Effluent concentrations	0%, 32%, 42%, 56%, 75%, 100%
18. Test duration	Until 60% or more surviving control females have three broods or a maximum of 8 days.
19. Endpoints	Survival and Reproduction
20. Test acceptability	80% or greater survival in the controls, Average reproduction rate of 15 young / adult. Coefficient of variation in the control must not exceed 40%.

TABLE 2 (SECTION 2)

BIOMONITORING CHRONIC TOXICITY REPORT FATHEAD MINNOW (Pimephales promelas) CHEMICAL PARAMETERS CHART

Permittee: EEG CITY CORPORATION Effluent discharge.

ANALYSTS: Pace Analytical Services, Inc.

Timothy Harrell Mike Bollin

TABLE 2 (SECTION 2) INITIAL WATER QUALITY EFFLUENT CONCENTRATION

	Control	100%
PH	7.5	8.1
D.O.	8.6	7.4
Temp	25.0	25.0
Alk	58	154
Hard	92	50
Cond	303	508
Chlorine	<0.1	<0.1

* D.O. is reported as mg/L
Alkalinity is reported as mg/L CaCO3
Hardness is reported as mg/L CaCO3
Conductance is reported as umhos
Chlorine is reported as mg/L

TEST WATER QUALITY

24-Hour Water Quality Measurements

Effluent	PH	D.O.	Temperature
Concentration (%)		(mg/l)	(C)
0% Control	7.4	7.4	25.1
32% Effluent	7.5	7.3	25.2
42% Effluent	7.5	7.2	25.2
56% Effluent	7.6	7.0	25.2
75% Effluent	7.6	6.8	25.2
100% Effluent	7.6	6.7	25.2

48-Hour Water Quality Measurements

	40-11001 Water Quality Measurements							
Effluent PH			D.O.	Temperature				
	Concentration (%)		(mg/l)	(C)				
	0% Control	7.5	6.8	24.7				
	32% Effluent	7.5	6.9	25.0				
	42% Effluent	7.5	7.0	25.0				
	56% Effluent	7.5	7.2	25.0				
	75% Effluent	7.6	7.3	25.0				
	100% Effluent	7.6	7.4	25.0				

FINAL WATER QUALITY

EFFLUENT CONCENTRATION

	Control	100%
рН	7.6	8.0
D.O.	7.0	7.1
Temp	25.2	25.1
Alk	58	160
Hard	90	54
Cond	321	611

* D.O. is reported as mg/L
Alkalinity is reported as mg/L CaCO3
Hardness is reported as mg/L CaCO3
Conductance is reported as umhos

TEST VALIDITY

The <u>Pimephales promelas</u> control survival rate was 96.0. The mean dry weight (growth) of the <u>Pimephales promelas</u> was determined at 0.461 g/organism in the controls. The percent coefficient of variation (%CV) values for the fathead minnow control for survival and growth were 6.63 and 7.22. The <u>Ceriodaphnia dubia</u> survival rates were 100 in the control. The <u>Ceriodaphnia in the control produced an average of 22.1 young over the seven-day exposure period.</u>
Percent CV values for <u>Ceriodaphnia dubia</u> control survival and reproduction was 0.00 and 8.91. Control data met or exceeded all criteria set out by <u>EPA 821-R-02-013</u> for test acceptance.

REFERENCE TOXICANTS

The absence of significant control mortality during this test indicated the health of the organisms and indicated that any significant mortality in the test concentrations was not due to contaminants or variations in testing conditions.

Reference toxicity testing is routinely performed by staff members in our biomonitoring - bioassay laboratory.

Start: 6/15/21 14:15

End: 6/22/21 14:20

Reference Toxicant (NaCl) Pimephales promelas

72	TOTOTOTO TOXIC	ant (Naoi)	1 intepriated	promotes		
	Concentration	Avg. # of Live Organisms/replicate				
	of Toxicant					
		0 hrs	24 hrs	48 hrs	7 days	
	10 g/l	40	9	0	0	
	8 g/l	40	38	28	6	
	6 g/l	40	40	37	25	
	4 g/l	40	40	40	40	
	2 g/l	40	40	40	39	

IC25 (5.07 g/l Sodium Chloride)

Survival NOEC: 4.0 q/l

Reference Toxicant (NaCl) Ceriodaphnia Dubia

TOOLOLOLO LOXIC	dire (iradi)	Odilodupili	na Basia		
Concentration	Avg. # of Live Organisms/replicate				
of Toxicant					
	0 hrs	24 hrs	48 hrs	7 days	
2.5 g/l	10	7	4	0	
2.0 g/l	10	10	9	2	
1.5 g/l	10	10	10	10	
1.0 g/l	10	10	10	10	
0.5 g/l	10	10	10	10	

IC25 (1.23 g/l Sodium Chloride)

Survival NOEC: 1.5 g/l

Submitted By:

Timothy Harrell, Technical Director

Dim Harrell

60372830 EEG City Corp Fathead Survival

File: 637283QA Transform: ARC SINE(SQUARE ROOT(Y))

Chi-square test for normality: actual and expected frequencies

INTERVAL	<-1.5	-1.5 to <-0.5	-0.5 to 0.5	>0.5 to 1.5	>1.5
	-	-	·		
EXPECTED OBSERVED	2.010	7.260 2	11.460 23	7.260 3	2.010

Calculated Chi-Square goodness of fit test statistic = 19.9412 Table Chi-Square value (alpha = 0.01) = 13.277

Data FAIL normality test. Try another transformation.

Warning - The first three homogeneity tests are sensitive to non-normal data and should not be performed.

60372830 EEG City Corp Fathead Survival

File: 6372830A Transform: ARC SINE(SQUARE ROOT(Y))

Shapiro = Wilk's test for normality

D = 0.127

W = 0.735

Critical W (P = 0.05) (n = 30) = 0.927Critical W (P = 0.01) (n = 30) = 0.900

Data FAIL normality test. Try another transformation.

Warning - The first three homogeneity tests are sensitive to non-normal data and should not be performed.

60372830 EEG City Corp Fathead Survival

File: 6372830A Transform: ARC SINE(SQUARE ROOT(Y))

SUMMARY STATISTICS ON TRANSFORMED DATA TABLE 1 of 2

GRP	IDENTIFICATION	N	MIN	MAX	MEAN
1	Control	5	1.249	1,412	1.347
2	32%	5	1.412	1.412	1.412
3	42%	5	1.249	1.412	1.379
4	56%	5	1.412	1.412	1.412
5	75%	5	1.412	1.412	1.412
6	100%	5	1.107	1.412	1.351

60372830 EEG City Corp Fathead Survival

File: 6372830A Transform: ARC SINE(SQUARE ROOT(Y))

SUMMARY STATISTICS ON TRANSFORMED DATA TABLE 2 of 2

GRP	IDENTIFICATION	VARIANCE	SD	SEM	C.V. %
1	Control	0.008	0.089	0.040	6.63
2	32%	0.000	0.000	0.000	0.00
3	42%	0.005	0.073	0.033	5.28
4	56%	0.000	0.000	0.000	0.00
5	75%	0.000	0.000	0.000	0.00
6	100%	0.019	0.136	0.061	10.09

60372830 EEG City Corp Fathead Survival

File: 6372830A Transform: ARC SINE(SQUARE ROOT(Y))

ANOVA TABLE

SOURCE	DF	SS	MS	F
Between	5	0.024	0.005	0.909
Within (Error)	24	0.127	0.005	
Total	 29	0.152		

Critical F value = 2.62 (0.05, 5, 24)

Since F < Critical F FAIL TO REJECT Ho: All equal

60372830 EEG City Corp Fathead Survival

File: 6372830A Transform: ARC SINE(SQUARE ROOT(Y))

DUNNETT'S	TEST	=	TABLE	1 (ÞΓ	2	Ho:Control <treatment< th=""></treatment<>

		TRANSFORMED	MEAN CALCULATED IN		
GROUP	IDENTIFICATION	MEAN	ORIGINAL UNITS	T STAT	SIG
=					
1	Control	1.347	0.960		
2	32%	1.412	1.000	-1.414	
3	42%	1.379	0.980	-0.707	
4	56%	1.412	1.000	-1.414	
5	75%	1.412	1.000	-1.414	
6	100%	1.351	0.960	-0.091	

Dunnett table value = 2.36 (1 Tailed Value, P=0.05, df=24,5)

60372830 EEG City Corp Fathead Survival File: 6372830A Transform: ARC SINE(SQUARE ROOT(Y)) File: 6372830A

	DUNNETT'S TEST -	TABLE 2 C	F 2 Ho	:Control<	Treatment
GROUP	IDENTIFICATION	NUM OF REPS	Minimum Sig Diff (IN ORIG. UNITS)	% of CONTROL	DIFFERENCE FROM CONTROL
45646					
1	Control	5			
2	32%	5	0.057	6.0	-0.040
3	42%	5	0.057	6.0	-0.020
4	56%	5	0.057	6.0	-0.040
5	75%	5	0.057	6.0	-0.040
6	100%	5	0.057	6.0	0.000

2830 EEG City Corp Fathead Growth

File: 6372830B Transform: NO TRANSFORMATION

Shapiro - Wilk's test for normality

D = 0.030

W = 0.970

Critical W (P = 0.05) (n = 30) = 0.927

Critical W (P = 0.01) (n = 30) = 0.900

Data PASS normality test at P=0.01 level. Continue analysis.

2830 EEG City Corp Fathead Growth

File: 6372830B Transform: NO TRANSFORMATION

Bartlett's test for homogeneity of variance Calculated B1 statistic = 5.54

Table Chi-square value = 15.09 (alpha = 0.01, df = 5) Table Chi-square value = 11.07 (alpha = 0.05, df = 5)

Data PASS B1 homogeneity test at 0.01 level. Continue analysis.

2830 EEG City Corp Fathead Growth

File: 6372830B Transform: NO TRANSFORMATION

SUMMARY STATISTICS ON TRANSFORMED DATA TABLE 1 of 2

GRP	IDENTIFICATION	N	MIN	MAX	MEAN
1	Control	5	0.425	0.500	0.461
2	32%	5	0.426	0.502	0.458
3	42%	5	0.448	0.498	0.471
4	56%	5	0.399	0.500	0.446
5	75%	5	0.464	0.509	0.489
6	100%	5	0.363	0.497	0.450

2830 EEG City Corp Fathead Growth

File: 6372830B Transform: NO TRANSFORMATION

SUMMARY STATISTICS ON TRANSFORMED DATA TABLE 2 of 2

GRP	IDENTIFICATION	VARIANCE	SD	SEM	C.V. %
1	Control	0.001	0.033	0.015	7.22
2	32%	0.001	0.030	0.014	6.62
3	42%	0.000	0.018	0.008	3.93
4	56%	0.002	0.045	0.020	10.07
5	75%	0.000	0.021	0.010	4.38
6	100%	0.003	0.052	0.023	11.60

2830 EEG City Corp Fathead Growth

File: 6372830B Transform: NO TRANSFORMATION

ANOVA TABLE

SOURCE	DF	SS	MS	F
Between	5	0.006	0.001	0.992
Within (Error)	24	0.030	0.001	
Total	29	0.037		

Critical F value = 2.62 (0.05,5,24)

Since F < Critical F FAIL TO REJECT Ho: All equal

2830 EEG City Corp Fathead Growth

File: 6372830B Transform: NO TRANSFORMATION

DUNNETT'S TEST	-T-1	TABLE 1 OF	7 2	Ho:Control <treatment< th=""></treatment<>
----------------	------	------------	-----	--

GROUP	IDENTIFICATION	TRANSFORMED MEAN	MEAN CALCULATED IN ORIGINAL UNITS	T STAT	SIG
1	Control	0.461	0.461		
2	32%	0.458	0.458	0.143	
3	42%	0.471	0.471	-0.428	
4	56%	0.446	0.446	0.695	
5	75%	0.489	0.489	-1.238	
6	100%	0.450	0.450	0.525	

Dunnett table value = 2.36 (1 Tailed Value, P=0.05, df=24,5)

2830 EEG City Corp Fathead Growth

File: 6372830B Transform: NO TRANSFORMATION

	DUNNETT'S TEST -	TABLE 2 O	F 2 Ho	:Control<	Treatment
GROUP	IDENTIFICATION	NUM OF REPS	Minimum Sig Diff (IN ORIG. UNITS)	% of CONTROL	DIFFERENCE FROM CONTROL
1	Control	5			
2	32%	5	0.053	11.5	0.003
3	42%	5	0.053	11.5	-0.010
4	56%	5	0.053	11.5	0.016
5	75%	5	0.053	11.5	-0.028
6	100%	5	0.053	11.5	0.012

FISHER'S EXACT TEST

	N	U	ĬΛĬ	B	E	K		O	F.				
-	-		=	_	_	_	_	_	=	12	_	_	

IDENTIFICATION	ALIVE	DEAD	TOTAL ANIMALS
CONTROL	10	0	10
	10	0	10
TOTAL	20	0	20

CRITICAL FISHER'S VALUE (10,10,10) (p=0.05) IS 6. b VALUE IS 10. Since b is greater than 6 there is no significant difference between CONTROL and TREATMENT at the 0.05 level.

FISHER'S EXACT TEST

NUMBER OF ALIVE DEAD TOTAL ANIMALS IDENTIFICATION CONTROL 10 10 10 10 42% 20 TOTAL 20 0

CRITICAL FISHER'S VALUE (10,10,10) (p=0.05) IS 6. b VALUE IS 10. Since b is greater than 6 there is no significant difference between CONTROL and TREATMENT at the 0.05 level.

FISHER'S EXACT TEST

=======================================	NUMBER OF					
IDENTIFICATION	ALIVE	DEAD	TOTAL ANIMALS			
CONTROL	10	0	10			
56%	10	0	10			

CRITICAL FISHER'S VALUE (10,10,10) (p=0.05) IS 6. b VALUE IS 10. Since b is greater than 6 there is no significant difference between CONTROL and TREATMENT at the 0.05 level.

FISHER'S EXACT TEST

		NUMBE	R OF
IDENTIFICATION	ALIVE	DEAD	TOTAL ANIMALS
CONTROL	10	0	10
75%	10	0	10
TOTAL	20	0	20

CRITICAL FISHER'S VALUE (10,10,10) (p=0.05) IS 6. b VALUE IS 10. Since b is greater than 6 there is no significant difference between CONTROL and TREATMENT at the 0.05 level.

FISHER'S EXACT TEST

		NUMBE	R OF
IDENTIFICATION	ALIVE	DEAD 	TOTAL ANIMALS
CONTROL	10	0	10
100%	10	0	10
TOTAL	20	0	20

CRITICAL FISHER'S VALUE (10,10,10) (p=0.05) IS 6. b VALUE IS 10. Since b is greater than 6 there is no significant difference between CONTROL and TREATMENT at the 0.05 level.

SUMMARY OF FISHER'S EXACT TESTS

GROUP	IDENTIFICATION	EXPOSED	DEAD	(P=.05)
				(635637)
	CONTROL	10	0	
1	32%	10	0	
2	42%	10	Ο	
3	56%	10	0	
4	75%	10	0	
5	100%	10	0	

60372830 EEG City Corp Ceriodaphnia Dubia Survival

File: 6372830D Transform: NO TRANSFORM

SUMMARY STATISTICS ON TRANSFORMED DATA TABLE 1 of 2

GRP IDENTIFICATION N MIN MAX MEAN
1 CONTROL 10 1.000 1.000 1.000
2 32% 10 1.000 1.000 1.000
3 42% 10 1.000 1.000 1.000
4 56% 10 1.000 1.000 1.000
5 75% 10 1.000 1.000 1.000
6 100% 10 1.000 1.000 1.000

60372830 EEG City Corp Ceriodaphnia Dubia Survival File: 6372830D Transform: NO TRANSFORM

SUMMARY STATISTICS ON TRANSFORMED DATA TABLE 2 of 2

GRP	IDENTIFICATION	VARIANCE	SD	SEM	C.V. %
1	CONTROL	0.000	0.000	0.000	0.00
2	32%	0.000	0.000	0.000	0.00
3	42%	0.000	0.000	0.000	0.00
4	56%	0.000	0.000	0.000	0.00
5	75%	0.000	0.000	0.000	0.00
6	100%	0.000	0.000	0.000	0.00

60372830 EEG City Corp Ceriodaphnia Dubia Reproduction

File: 6372830E Transform: NO TRANSFORMATION

Chi-square test for normality: actual and expected frequencies

INTERVAL	<-1.5	-1.5 to <-0.5	-0.5 to 0.5	>0.5 to 1.5	>1.5
EXPECTED OBSERVED	4.020	14.520 10	22.920 27	14.520 13	4.020

Calculated Chi-Square goodness of fit test statistic = 4.7603 Table Chi-Square value (alpha = 0.01) = 13.277

Data PASS normality test. Continue analysis.

60372830 EEG City Corp Ceriodaphnia Dubia Reproduction File: 6372830E Transform: NO TRANSFORMATION

Bartlett's test for homogeneity of variance Calculated B1 statistic = 7.24

Table Chi-square value = 15.09 (alpha = 0.01, df = 5) Table Chi-square value = 11.07 (alpha = 0.05, df = 5)

Data PASS B1 homogeneity test at 0.01 level. Continue analysis.

60372830 EEG City Corp Ceriodaphnia Dubia Reproduction File: 6372830E Transform: NO TRANSFORMATION

SUMMARY STATISTICS ON TRANSFORMED DATA TABLE 1 of 2

GRP	IDENTIFICATION	N	MIN	MAX	MEAN
1	Control	10	19.000	25.000	22.100
2	32%	10	21.000	27.000	22.900
3	42%	10	15.000	27.000	21.500
4	56%	10	17.000	26.000	21.800
5	75%	10	16.000	27.000	22.000
6	100%	10	17.000	29.000	23.400

60372830 EEG City Corp Ceriodaphnia Dubia Reproduction File: 6372830E Transform: NO TRANSFORMATION

SUMMARY STATISTICS ON TRANSFORMED DATA TABLE 2 of 2

GRP	IDENTIFICATION	VARIANCE	SD	SEM	C.V. %
1	Control	3.878	1.969	0.623	8.91
2	32%	4.322	2.079	0.657	9.08
3	42%	17.833	4.223	1.335	19.64
4	56%	9.733	3.120	0.987	14.31
5	75%	10.667	3.266	1.033	14.85
6	100%	12.489	3.534	1.118	15.10

60372830 EEG City Corp Ceriodaphnia Dubia Reproduction File: 6372830E Transform: NO TRANSFORMATION

ANOVA TABLE

SOURCE	DF	SS	MS	F
Between	5	25.883	5.177	0.527
Within (Error)	54	530.300	9.820	
Total	59	556.183		

Critical F value = 2.45 (0.05,5,40) Since F < Critical F FAIL TO REJECT Ho: All equal

60372830 EEG City Corp Ceriodaphnia Dubia Reproduction File: 6372830E Transform: NO TRANSFORMATION

Uo.	Con	+201	Tro	atment
по:	COII	CLOI	. < 110	はいいしょし

DUNNETT'S	TEST		TABLE	1	OF	2
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GROUP	IDENTIFICATION	TRANSFORMED MEAN	MEAN CALCULATED IN ORIGINAL UNITS	T STAT	SIG
					-
1	Control	22.100	22.100		
2	32%	22.900	22.900	-0.571	
3	42%	21.500	21.500	0.428	
4	56%	21.800	21.800	0.214	
5	75%	22.000	22.000	0.071	
6	100%	23.400	23.400	-0.928	

Dunnett table value = 2.31 (1 Tailed Value, P=0.05, df=40,5)

60372830 EEG City Corp Ceriodaphnia Dubia Reproduction File: 6372830E Transform: NO TRANSFORMATION

	DUNNETT'S TEST -	TABLE 2 C	F 2 Ho	:Control<	Treatment
GROUP	IDENTIFICATION	NUM OF REPS	Minimum Sig Diff (IN ORIG. UNITS)		DIFFERENCE FROM CONTROL
					/0000000000000000000000000000000000000
1	Control	10			
2	32%	10	3.237	14.6	-0.800
3	42%	10	3.237	14.6	0.600
4	56%	10	3.237	14.6	0.300
5	75%	10	3.237	14.6	0.100
6	100%	10	3.237	14.6	=1.300

Conc. ID		1.	2	3	4	5	6
Conc. Tes	ted	Q	32	42	56	75	100
Response Response Response Response Response	1 2 3 4 5	0.425 0.429 0.500 0.484 0.469	0.433 0.426 0.464 0.466 0.502	0.465 0.448 0.478 0.466 0.498	0.410 0.435 0.399 0.485 0.500	0.468 0.504 0.509 0.501 0.464	0.480 0.363 0.445 0.463 0.497

*** Inhibition Concentration Percentage Estimate ***

Toxicant/Effluent: 60372830 EEG City Corp

Test Start Date: 06/22/21 Test Ending Date: 06/29/21

Test Species: Fathead

Test Duration:

7 days

DATA FILE:

Conc. ID	Number Replicates	Concentration %	Response Means	Std. Dev.	Pooled Response Means
1	5	0.000	0.461	0.033	0.465
2	5	32.000	0.458	0.030	0.465
3	5	42.000	0.471	0.018	0.465
4	5	56.000	0.446	0.045	0.465
5	5	75.000	0.489	0.021	0.465
6	5	100.000	0.450	0.052	0.450

^{***} No Linear Interpolation Estimate can be calculated from the input data since none of the (possibly pooled) group response means were less than 75% of the control response mean.

Conc. ID	1	2	3	4	5	6
Conc. Tested	0	32	42	56	75	100
Response 1	22	21	15	23	17	19
Response 2	19	23	23	17	22	26
Response 3	21	21	18	26	23	24
Response 4	22	26	25	21	27	24
Response 5	19	22	23	25	16	17
Response 6	23	23	16	25	24	22
Response 7	24	23	27	21	24	22
Response 8	23	22	23	19	22	29
Response 9	23	21	19	23	22	25
Response 10	25	27	26	18	23	26

*** Inhibition Concentration Percentage Estimate ***

Toxicant/Effluent: 60372830 EEG City Corp

Test Start Date: 06/22/21 Test Ending Date: 06/29/21

Test Species: C. dubia
Test Duration: 7 days

DATA FILE:

Conc.	Number Replicates	Concentration %	Response Means	Std. Dev.	Pooled Response Means
1 2 3 4 5	10 10 10 10 10	0.000 32.000 42.000 56.000 75.000	22.100 22.900 21.500 21.800 22.000 23.400	1.969 2.079 4.223 3.120 3.266 3.534	22.500 22.500 22.175 22.175 22.175 22.175

^{***} No Linear Interpolation Estimate can be calculated from the input data since none of the (possibly pooled) group response means were less than 75% of the control response mean.

618LS0-NH77

Environmental Enterprise Group, Inc. PROVIDING CUSTOMIZED SERVICES NATIONWIDE

Environmental Enterprise Group, Inc.
220 North Knoxville
Russellville, Arkansas 72801
(479) 968-6767 Fax (479) 968-1956

Company Name:	Phone #:		Requested Analysis		
City Corporation		(479) 968-4989			
Address:	Fax #:				
P.O. Box 3186 Russellville, AR 72811-3186	, AR 72811-3186	(479) 968-3430		Laboratory	
Project Name or Number:	Purchase Order	Order #:		Control	Remarks
PCW EARINAT WET	Testing			Number	(Please note special detection limits below.)
Sampling Personnel Signature(s): Grades	(s): Spals Tech	Printed: Brooks Tecte		26	
Arm D Was	o. Tyna	Method Preserved San	Sample Matrix	A.	
Sample I.D. Date Time	24 Hr Comp	H2SO4	Air Soll Soll Soll Soll Soll Soll Soll Sol	2000	
Outfall 001 off -(12/2/04/64-725		×	×	10 671124	
				S	
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Received by:	3	Date: Time:	Relinquished by:	Date:	Time:
Relinquished by:	3		Received by Laboratory:	Date: (6/22/2)	Time:
Comments:	,				

818LS0-9177

Environmental Enterprise Group, Inc. PROVIDING CUSTOMIZED SERVICES NATIONWIDE

Environmental Enterprise Group, Inc. 220 North Knoxville Russellville, Arkansas 72801 (479) 968-6767 Fax (479) 968-1956

2.2% detection limits below.) (Please note special Remarks Time: Time: 10 109 11 24 Laboratory Control Number Date: Date: Requested Analysis Sportatory Refinquished by: Bio-Monitoring fived by Received by: Officer Method Preserved | Sample Matrix Sindge Printed: Brooks Tector 110 los Water × Time: 840 Time Sci. Time BUON (479) 968-4989 (479)968-3430901 HCF Date: (123/2) HOAN Purchase Order #: Date: HNOS ₩S2O4 Containers Phone #: J0 # Fax #: P.O. Box 3186 Russellville, AR 72811-3186 Class Cont. Type Plast. \times Grab 24 Hr Comp. × Effloat DET Testing Sampling Personnel Signature(s): DN -61221 ON -73C Time Project Name or Number: Date City Corporation Company Name: Relinquished by: Relinquished by: Sample I.D. Received by: Comments: Outfall 001 Address: PCW



Sample Condition Upon Receipt

Client Name: EE6		50		
//	PEX □ e Shippir	ECI ng Lab		Pace □ Xroads □ Client □ Other □ y? Yes □ No X
ustody Seal on Cooler/Box Present: Yes X No □	Seals i	intact:	Yes X	Z No □
'acking Material: Bubble Wrap □ Bubble Bags □		Fo	am 🗆	None X Other □
	Ice We	ВІ	ue No	
cooler Temperature (°C): As-read Corr. Factor	or -8		Correct	Date and initials of person examining contents:
emperature should be above freezing to 6°C				624/21/11/3
Chain of Custody present:	XYes	□No	□n/A	800
Shain of Custody relinquished:	Yes	□No	□N/A	
jamples arrived within holding time:	∑ Yes	□No	□n/a	
short Hold Time analyses (<72hr):	XYes	□No	□N/A	
łush Turn Around Time requested:	□Yes	XNo	□N/A	
Sufficient volume:	XYes	□No	□n/a	
correct containers used:	XYes	□No	□n/a	
Pace containers used:	XYes	□No	□N/A	
Containers intact:	XYes	□No	□n/a	
Inpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	□Yes	□No	XN/A	37
iltered volume received for dissolved tests?	□Yes	□No	XN/A	
Sample labels match COC: Date / time / ID / analyses	XYes	□No	□N/A	
Samples contain multiple phases? Matrix:	□Yes	XNo	□N/A	
Containers requiring pH preservation in compliance? HNO₃, H₂SO₄, HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanlde) Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO)	□Yes	□No	Xn/a	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Syanide water sample checks: Lead acetate strip turns dark? (Record only)	□Yes	□No		
Potassium iodide test strip turns blue/purple? (Preserve)	□Yes			
Frip Blank present:	□Yes	□No	XN/A	
Headspace in VOA vials (>6mm):	□Yes	□No	XN/A	
Samples from USDA Regulated Area: State:	□Yes	□No	XN/A	
Additional labels attached to 5035A / TX1005 vials in the field		□No	X _{x/A}	
Copy COC to	o Client?	Υ	/ N	Field Data Required? Y / N
Person Contacted: Date/1	Γime:			
Comments/ Resolution:				
Project Manager Review:			Dat	e:

U246-057918

Environmental Enterprise Group, Inc. 220 North Knoxville Russellville, Arkansas 72801 (479) 968-6767 Fax (479) 968-1956

Environmental Enterprise Group, Inc.

Company Name:						Phone #:										Red	Requested Analysis	d An	alysi	(0)			
City Corporation							(475	96 ((479) 968-4989	88													
Address:						Fax #:											_						
P.O. Box 3186 Russellville, AR 72811-3186	Sussellville	e, AF	272	811	-318	9	(475	96 ((479) 968-3430	130											Laboratory	_	
Project Name or N	lumber:					Purchase Order		#									_				Control		Remarks
PCW Epploay WET Testing	ent wet	(=	estt.	2																	Number	(Pl	(Please note special detection limits below.)
Sampling Personnel Signature(s):	nel Signatuı	re(s)	1.1	2	12 L	, \	Print	: paj	Bo	Printed: Brooks Teefer	12	ete	,	toring	Suuc								11
		- 01	. الم	Conf	Cont Type		Meth	10d F	hod Preserved	ved	San	nple	Sample Matrix	T.								U	アンプトララ
Sample I.D. Di	Date Time	ω Σ4 Hr Con	Grab	Plast.	Glass	# of Containers	H2SO4	HOAN	ICE HCL	SnoV	Vater Soil	lio8 7iA	Sludge	Отрег	IN-OLG							7"	est
Outfall 001 off (125/2)	5/21 04-723	×		×		2			×		×			×		v= -					1211240	-	
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Comments:																							



Sample Condition Upon Receipt

existingtest

Client Name: EEG		\cup
Courier: FedEx □ UPS □ VIA A Clay □ □	PEX 🗆 ECI 🗆	Pace ☐ Xroads ☐ Client ☐ Other ☐
V	e Shipping Label Used	? Yes □ No X
Custody Seal on Cooler/Box Present: Yes X No □	Seals intact: Yes X	
Packing Material: Bubble Wrap ☐ Bubble Bags [□ Foam □	None X Other □
	Fice: (Wet Blue Nor	ne
Cooler Temperature (°C): As-read Corr. Fact	or8 Correct	Date and initials of person examining contents:
Temperature should be above freezing to 6°C		15 1520 6/25/21
Chain of Custody present:	XYes □No □N/A	
Chain of Custody relinquished:	Yes DNo DN/A	
Samples arrived within holding time:	Yes No NA	
Short Hold Time analyses (<72hr):	XYes □No □N/A	
Rush Turn Around Time requested:	□Yes XNo □N/A	
Sufficient volume:	XYes □No □N/A	
Correct containers used:	XYes □No □N/A	
Pace containers used:	XYes □No □N/A	
Containers intact:	XYes □No □N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	□Yes □No XN/A	
	□Yes □No XN/A	
Filtered volume received for dissolved tests?		
Sample labels match COC: Date / time / ID / analyses	XYes \(\sumbox{No } \sumbox{N/A}	
Samples contain multiple phases? Matrix:	□Yes XNo □N/A	
Containers requiring pH preservation in compliance?	□Yes □No XN/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
(HNO ₃ , H ₂ SO ₄ , HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO)		
Cyanide water sample checks:		
Lead acetate strip turns dark? (Record only)	□Yes □No	
Potassium iodide test strip turns blue/purple? (Preserve)	□Yes □No	
Trip Blank present:	□Yes □No XN/A	
Headspace in VOA vials (>6mm):	□Yes □No XN/A	
Samples from USDA Regulated Area: State:	□Yes □No XN/A	
Additional labels attached to 5035A / TX1005 vials in the field	d? □Yes □No Xx/A	
Client Notification/ Resolution: Copy COC	to Client? Y / N	Field Data Required? Y / N
Person Contacted: Date/	Time:	
Comments/ Resolution:		
Project Manager Review:	Dat	e;