

February 17, 2020

Mike Cole
EEG
220 N Knoxville Avenue
Russellville, AR 72801

RE: Project: CITY CORPORATION, L246-056046
Pace Project No.: 60328035

Dear Mike Cole:

Enclosed are the analytical results for sample(s) received by the laboratory on February 04, 2020. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



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

Enclosures

cc: Mike Cole, Environmental Enterprise Group, Inc.
Stacy Ness, EEG
Stacy Ness-copy invoice, EEG, Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: CITY CORPORATION, L246-056046

Pace Project No.: 60328035

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

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SAMPLE SUMMARY

Project: CITY CORPORATION, L246-056046

Pace Project No.: 60328035

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60328035001	OUTFALL 001	Water	02/03/20 07:18	02/04/20 08:00

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SAMPLE ANALYTE COUNT

Project: CITY CORPORATION, L246-056046
Pace Project No.: 60328035

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60328035001	OUTFALL 001	EPA 821/R-02/013	TDH	1	PASI-SE

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ANALYTICAL RESULTS

Project: CITY CORPORATION, L246-056046

Pace Project No.: 60328035

Sample: OUTFALL 001	Lab ID: 60328035001	Collected: 02/03/20 07:18	Received: 02/04/20 08:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Chronic Toxicity								
		Analytical Method: EPA 821/R-02/013						
Toxicity, Chronic	Complete		1.0	1		02/04/20 15:00		

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QUALIFIERS

Project: CITY CORPORATION, L246-056046

Pace Project No.: 60328035

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.

LABORATORIES

PASI-SE Pace Analytical Services - SE Kansas

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CITY CORPORATION, L246-056046

Pace Project No.: 60328035

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60328035001	OUTFALL 001	EPA 821/R-02/013	638274		

REPORT OF LABORATORY ANALYSIS

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Sample Condition Upon Receipt

WO#: 60328035



Client Name:

EEG City Corp.

Courier: FedEx [] UPS [] VIA [X] Clay [] PEX [] ECI [] Pace [] Xroads [] Client [] Other []

Tracking #: _____ Pace Shipping Label Used? Yes [] No [X]

Custody Seal on Cooler/Box Present: Yes [X] No [] Seals intact: Yes [X] No []

Packing Material: Bubble Wrap [] Bubble Bags [] Foam [] None [X] Other []

Thermometer Used: T-243 Type of Ice: Wet [X] Blue [] None []

Cooler Temperature (°C): As-read 3.8 Corr. Factor -1.6 Corrected 2.2

Date and initials of person examining contents:

2/4/20
EB 8:00

Temperature should be above freezing to 6°C

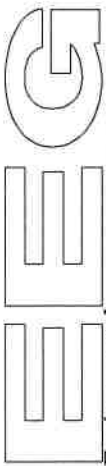
Table with 2 columns: Question/Field and Answer/Status. Rows include Chain of Custody present, Chain of Custody relinquished, Samples arrived within holding time, Short Hold Time analyses (<72hr), Rush Turn Around Time requested, Sufficient volume, Correct containers used, Pace containers used, Containers intact, Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?, Filtered volume received for dissolved tests?, Sample labels match COC: Date / time / ID / analyses, Samples contain multiple phases? Matrix:, Containers requiring pH preservation in compliance?, Cyanide water sample checks: Lead acetate strip turns dark? (Record only), Potassium iodide test strip turns blue/purple? (Preserve), Trip Blank present, Headspace in VOA vials (>6mm), Samples from USDA Regulated Area: State, Additional labels attached to 5035A / TX1005 vials in the field?

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: Jamie Clark Date: 2/4/20



Environmental Enterprise Group, Inc.
PROVIDING CUSTOMIZED SERVICES NATIONWIDE

1246-056046

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

Company Name:		Phone #:		Requested Analysis		Laboratory Control Number	Remarks (Please note special detection limits below.)																				
City Corporation		(479) 968-4989																									
Address:		Fax #:				022000	Subbed																				
P.O. Box 3186 Russellville, AR 72811-3186		(479) 968-3430																									
Project Name or Number:		Purchase Order #:																									
WET Testing																											
Sampling Personnel Signature(s): <i>Brooks Teeter</i>		Printed: Brooks Teeter																									
Sample I.D.	Date	Time	Cont. Type			Method Preserved			Sample Matrix			WET Testing	Date	Time													
			24hrComp	Grab	Plast	Glass	# of Containers	H2SO4	HNO3	NaOH	HCL				Ice	None	Water	Soil	Air	Sludge	Other						
Outfall 001	on 2/2/20 off 2/3/20	on 745 off 718	x	x																							
Relinquished by: <i>Brooks Teeter</i>		Date: 2/3/20		Time: 922		Received by:		Date:		Time:																	
Received by: <i>Snew</i>		Date: 2/3/20		Time: 0922		Relinquished by:		Date:		Time:																	
Relinquished by: <i>Snew</i>		Date: 2/3/20		Time: 1400		Received by Laboratory: <i>Blair Stephens</i>		Date: 2/4/20		Time: 8:00																	
Comments:																											

REFERENCE #60328035

**CHRONIC TOXICITY TEST FOR
CITY CORPORATION**

PERMIT # AR 0021768
AFIN # 58-00105

PERFORMED ON:

Pimephales promelas

and

Ceriodaphnia dubia

PREPARED FOR:

Environmental Enterprise Group Inc.
220 North Knoxville
Russellville, AR 72801
479-968-6767

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

February 13, 2020

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
SUMMARY	3
INTRODUCTION	4
TEST MATERIAL	4
TEST METHODS	4
TEST ORGANISMS	4
TEST CONDITIONS	8
TEST VALIDITY	13
REFERENCE TOXICANT SUMMARY	14
APPENDIX A – STATISTICAL ANALYSIS	
APPENDIX B - CHAIN OF CUSTODY FORMS	

SUMMARY

A Chronic Whole Effluent Toxicity Test using the 7-day chronic fathead minnows (*Pimephales promelas*), static renewal larval survival and growth test, and three brood 7-day chronic Cladoceran (*Ceriodaphnia dubia*), static renewal survival and reproduction test, was conducted on effluent discharge water collected at the CITY CORPORATION effluent discharge from February 3, 2020 to February 7, 2020. All the test methods followed are as listed in EPA 8100-R-02-013, "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-Kärber method. Statistical analysis is accomplished by following steps in EPA 8100-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 17.2 .

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 12.9.

The chronic toxicity exhibited by the fathead minnows and the *Ceriodaphnia* treated by the effluent sampled from February 3 to February 7 from the CITY CORPORATION effluent discharge, is acceptable as described in EPA 8100-R-02-013.

INTRODUCTION

Pace Analytical was contracted to perform this chronic toxicity test on effluent from the CITY CORPORATION effluent discharge. Chronic toxicity was measured using the Pimephales promelas at larval for survival and growth test and the Ceriodaphnia dubia survival and reproduction test described in EPA 8100-R-02-013, "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 personnel collected sampling of the effluent. A sample of the effluent was delivered to Pace by CITY CORPORATION personnel on 2-4-20. Subsequent samples followed by delivery on 2-6-20 and on 2-7-20. All samples were stored at $\leq 6^{\circ}$ Celsius. Moderately Hard Synthetic was used as the control and to make the required dilutions in the test as described in EPA 8100-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 Pimephales and Ceriodaphnia tests were initiated on 2-4-20 and carried out until 2-11-20. The Pimephales tests were conducted in 500 ml plastic jars with 250 ml of test solution. Eight larvae were placed in each of at least 5 replicates to make a total of 40 larvae per sample concentration. The Ceriodaphnia 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

The organisms used in these tests were cultured at Pace under controlled temperature and photoperiod conditions and/or were purchased from an external supplier. Pace maintains records of all culture techniques used in producing organisms.

REFERENCE #60328035

Permittee: CITY CORPORATION Effluent discharge.

Date Sampled	No. 1: 2-3-20	7:18
	No. 2: 2-5-20	7:18
	No. 3: 2-7-20	7:16

Test Initiated: 15:00 Date: 2-4-20

Ceriodaphnia dubia	Results
TLP3B	0
TGP3B	0
TOP3B	100%
TPP3B	100%
TQP3B	11.34
Pimephales promelas	Results
TLP6C	0
TGP6C	0
TOP6C	100%
TPP6C	100%
TQP6C	9.85

Dilution Water used: Moderately Hard Synthetic

FATHEAD MINNOW LARVAE GROWTH AND SURVIVAL
(Pimephales promelas)

DATA TABLE FOR GROWTH OF FATHEAD MINNOWS

Effluent Concentration (%)	Average Dry Weight in Milligrams in Replicate Chambers					Mean Dry Weight (mg)	CV% *
	A	B	C	D	E		
Control 0%	0.427	0.486	0.432	0.459	0.371	0.435	9.85
Dilution 1 32%	0.441	0.381	0.401	0.510	0.451	0.437	11.43
Dilution 2 42%	0.438	0.362	0.496	0.456	0.433	0.437	11.14
Dilution 3 56%	0.396	0.508	0.391	0.329	0.486	0.422	17.49
Dilution 4 75%	0.471	0.478	0.437	0.506	0.401	0.459	8.83
Dilution 5 100%	0.401	0.476	0.474	0.483	0.435	0.454	7.71

* Coefficient of Variation = Standard Deviation X 100 / Mean

FATHEAD MINNOW SURVIVAL

Conc. %	Percent Survival in Replicate Chambers					Mean Percent Survival			CV %
	A	B	C	D	E	24hr	48hr	7 day	
Control 0%	100	100	100	100	87.5	100	100	97.5	4.79
Dilution 1 32%	100	100	100	100	100	100	100	100	0.00
Dilution 2 42%	100	87.5	100	100	100	100	100	97.5	4.79
Dilution 3 56%	100	100	100	87.5	100	100	100	97.5	4.79
Dilution 4 75%	100	100	100	100	100	100	100	100	0.00
Dilution 5 100%	100	100	100	100	100	100	100	100	0.00

Permittee: CITY CORPORATION Effluent discharge.

CERIODAPHNIA SURVIVAL AND REPRODUCTION

DATA TABLE FOR CERIODAPHNIA YOUNG PRODUCTION

Replicate	Control 0%	Dilution 1 32%	Dilution 2 42%	Dilution 3 56%	Dilution 3 75%	Dilution 4 100%
1	21	27	23	25	20	25
2	19	21	24	27	26	24
3	21	19	24	23	26	18
4	18	26	18	23	20	26
5	22	22	25	26	24	23
6	19	26	28	27	28	23
7	22	24	23	24	27	27
8	24	26	28	27	25	25
9	22	24	27	19	25	26
10	25	25	22	27	27	21
Mean	21.3	24.0	24.2	24.8	24.8	23.8
SD	2.214	2.582	3.048	2.616	2.781	2.700
CV %	10.39	10.76	12.59	10.55	11.21	11.34

CERIODAPHNIA MEAN PERCENT SURVIVAL

Time Elapsed	Percent Effluent (%)					
	Control 0%	Dilution 1 32%	Dilution 2 42%	Dilution 3 56%	Dilution 4 75%	Dilution 5 100%
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	0.000	0.000	0.000	0.000	0.000	0.000
CV %	0.00	0.00	0.00	0.00	0.000	0.000

TABLE 2
SUMMARY OF TEST CONDITIONS FOR THE FATHEAD MINNOW
(*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	8
11. No. replicates/concentration	5
12. No. larvae/concentration	40
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

TABLE 2 (CONT.)

16. Dilution Water	Moderately Hard Synthetic
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**

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

TABLE 2 (CONT.)

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
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: CITY CORPORATION Effluent discharge.

ANALYSTS: Pace Analytical Services, Inc.
 Timothy Harrell
 Mike Bollin
 Ethan Castagno

TABLE 2 (SECTION 2)
 INITIAL WATER QUALITY
 EFFLUENT CONCENTRATION

	Control	100%
PH	7.53	7.41
D.O.	8.40	8.90
Temp	25.0	25.0
Alk	58	60
Hard	92	40
Cond	344	360
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 Concentration (%)	PH	D.O. (mg/l)	Temperature (C)
0% Control	7.83	7.10	25.1
32% Effluent	7.86	7.10	25.1
42% Effluent	7.88	7.10	25.1
56% Effluent	7.92	7.10	25.1
75% Effluent	7.95	7.00	25.1
100% Effluent	7.99	6.90	25.1

48-Hour Water Quality Measurements

Effluent Concentration (%)	PH	D.O. (mg/l)	Temperature (C)
0% Control	7.74	7.20	25.3
32% Effluent	7.79	7.10	25.3
42% Effluent	7.85	7.10	25.3
56% Effluent	7.92	7.10	25.3
75% Effluent	8.00	7.00	25.3
100% Effluent	8.04	6.90	25.3

FINAL WATER QUALITY

EFFLUENT CONCENTRATION

	Control	100%
pH	7.77	8.15
D.O.	6.90	6.70
Temp	25.2	25.2
Alk	62	62
Hard	94	42
Cond	388	402

- * 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 Pimephales promelas control survival rate was 97.5. The mean dry weight (growth) of the Pimephales promelas was determined at 0.435 mg/organism in the controls. The percent coefficient of variation (%CV) values for the fathead minnow control for survival and growth were 4.79 and 9.85. The Ceriodaphnia dubia survival rates were 100 in the control. The Ceriodaphnia in the control produced an average of 21.3 young over the seven-day exposure period. Percent CV values for Ceriodaphnia dubia control survival and reproduction was 0.00 and 10.39. Control data met or exceeded all criteria set out by EPA 8100-R-02-013 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: 1/7/20 11:45 End: 1/14/20 11:00

Reference Toxicant (NaCl) Pimephales promelas

Concentration of Toxicant	Avg. # of Live Organisms/replicate			
	0 hrs	24 hrs	48 hrs	7 days
10 g/l	40	3	0	0
8 g/l	40	35	24	2
6 g/l	40	39	35	25
4 g/l	40	40	40	40
2 g/l	40	40	40	40

IC25 (5.02 g/l Sodium Chloride)

Survival NOEC: 4.0 g/l

Reference Toxicant (NaCl) Ceriodaphnia Dubia

Concentration of Toxicant	Avg. # of Live Organisms/replicate			
	0 hrs	24 hrs	48 hrs	7 days
2.5 g/l	10	6	2	0
2.0 g/l	10	10	9	1
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 (1.13 g/l Sodium Chloride)

Survival NOEC: 1.5 g/l

Submitted By: 
 Timothy Harrell, Technical Director

60328035 EEG City Corp FATHEAD SURVIVAL
File: 6328035A 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	2.010	7.260	11.460	7.260	2.010
OBSERVED	3	0	27	0	0

Calculated Chi-Square goodness of fit test statistic = 38.0902
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.

60328035 EEG City Corp FATHEAD SURVIVAL
File: 6328035A Transform: ARC SINE(SQUARE ROOT(Y))

Shapiro - Wilk's test for normality

D = 0.032

W = 0.597

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

60328035 EEG City Corp FATHEAD SURVIVAL
 File: 6328035A Transform: ARC SINE(SQUARE ROOT(Y))

SUMMARY STATISTICS ON TRANSFORMED DATA TABLE 1 of 2

GRP	IDENTIFICATION	N	MIN	MAX	MEAN
1	CONTROL	5	0.991	1.107	1.084
2	32%	5	1.107	1.107	1.107
3	42%	5	0.991	1.107	1.084
4	56%	5	0.991	1.107	1.084
5	75%	5	1.107	1.107	1.107
6	100%	5	1.107	1.107	1.107

60328035 EEG City Corp FATHEAD SURVIVAL
 File: 6328035A Transform: ARC SINE(SQUARE ROOT(Y))

SUMMARY STATISTICS ON TRANSFORMED DATA TABLE 2 of 2

GRP	IDENTIFICATION	VARIANCE	SD	SEM	C.V. %
1	CONTROL	0.003	0.052	0.023	4.79
2	32%	0.000	0.000	0.000	0.00
3	42%	0.003	0.052	0.023	4.79
4	56%	0.003	0.052	0.023	4.79
5	75%	0.000	0.000	0.000	0.00
6	100%	0.000	0.000	0.000	0.00

60328035 EEG City Corp FATHEAD SURVIVAL
 File: 6328035A Transform: ARC SINE(SQUARE ROOT(Y))

ANOVA TABLE

SOURCE	DF	SS	MS	F
Between	5	0.004	0.001	0.600
Within (Error)	24	0.032	0.001	
Total	29	0.036		

Critical F value = 2.62 (0.05, 5, 24)
 Since $F < \text{Critical } F$ FAIL TO REJECT H_0 : All equal

60328035 EEG City Corp FATHEAD SURVIVAL
 File: 6328035A Transform: ARC SINE(SQUARE ROOT(Y))

GROUP	IDENTIFICATION	TRANSFORMED MEAN	MEAN CALCULATED IN ORIGINAL UNITS	T STAT	SIG
1	CONTROL	1.084	0.780		
2	32%	1.107	0.800	-1.000	
3	42%	1.084	0.780	0.000	
4	56%	1.084	0.780	0.000	
5	75%	1.107	0.800	-1.000	
6	100%	1.107	0.800	-1.000	

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

60328035 EEG City Corp FATHEAD SURVIVAL

File: 6328035A

Transform: ARC SINE(SQUARE ROOT(Y))

GROUP	IDENTIFICATION	NUM OF REPS	Minimum Sig Diff (IN ORIG. UNITS)	% of CONTROL	DIFFERENCE FROM CONTROL
1	CONTROL	5			
2	32%	5	0.047	6.0	-0.020
3	42%	5	0.047	6.0	0.000
4	56%	5	0.047	6.0	0.000
5	75%	5	0.047	6.0	-0.020
6	100%	5	0.047	6.0	-0.020

60328035 EEG City Corp FATHEAD GROWTH
File: 6328035B Transform: NO TRANSFORMATION

Shapiro - Wilk's test for normality

D = 0.060

W = 0.981

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.

60328035 EEG City Corp FATHEAD GROWTH
File: 6328035B Transform: NO TRANSFORMATION

Bartlett's test for homogeneity of variance
Calculated B1 statistic = 2.64

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.

60328035 EEG City Corp FATHEAD GROWTH
 File: 6328035B Transform: NO TRANSFORMATION

SUMMARY STATISTICS ON TRANSFORMED DATA TABLE 1 of 2

GRP	IDENTIFICATION	N	MIN	MAX	MEAN
1	CONTROL	5	0.371	0.486	0.435
2	32%	5	0.381	0.510	0.437
3	42%	5	0.362	0.496	0.437
4	56%	5	0.329	0.508	0.422
5	75%	5	0.401	0.506	0.459
6	100%	5	0.401	0.483	0.454

60328035 EEG City Corp FATHEAD GROWTH
 File: 6328035B Transform: NO TRANSFORMATION

SUMMARY STATISTICS ON TRANSFORMED DATA TABLE 2 of 2

GRP	IDENTIFICATION	VARIANCE	SD	SEM	C.V. %
1	CONTROL	0.002	0.043	0.019	9.85
2	32%	0.002	0.050	0.022	11.43
3	42%	0.002	0.049	0.022	11.14
4	56%	0.005	0.074	0.033	17.49
5	75%	0.002	0.041	0.018	8.83
6	100%	0.001	0.035	0.016	7.71

60328035 EEG City Corp FATHEAD GROWTH
 File: 6328035B Transform: NO TRANSFORMATION

ANOVA TABLE

SOURCE	DF	SS	MS	F
Between	5	0.005	0.001	0.361
Within (Error)	24	0.060	0.003	
Total	29	0.065		

Critical F value = 2.62 (0.05, 5, 24)
 Since $F < \text{Critical } F$ FAIL TO REJECT H_0 : All equal

60328035 EEG City Corp FATHEAD GROWTH
 File: 6328035B Transform: NO TRANSFORMATION

GROUP	IDENTIFICATION	TRANSFORMED MEAN	MEAN CALCULATED IN ORIGINAL UNITS	T STAT	SIG
1	CONTROL	0.435	0.435		
2	32%	0.437	0.437	-0.057	
3	42%	0.437	0.437	-0.063	
4	56%	0.422	0.422	0.411	
5	75%	0.459	0.459	-0.746	
6	100%	0.454	0.454	-0.594	

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

60328035 EEG City Corp FATHEAD GROWTH

File: 6328035B

Transform: NO TRANSFORMATION

GROUP	IDENTIFICATION	NUM OF REPS	Minimum Sig Diff (IN ORIG. UNITS)	% of CONTROL	DIFFERENCE FROM CONTROL
1	CONTROL	5			
2	32%	5	0.075	17.2	-0.002
3	42%	5	0.075	17.2	-0.002
4	56%	5	0.075	17.2	0.013
5	75%	5	0.075	17.2	-0.024
6	100%	5	0.075	17.2	-0.019

FISHER'S EXACT TEST

IDENTIFICATION	NUMBER OF		
	ALIVE	DEAD	TOTAL ANIMALS
CONTROL	10	0	10
32%	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

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

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

IDENTIFICATION	NUMBER OF		
	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

IDENTIFICATION	NUMBER OF		
	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

NUMBER NUMBER SIG

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

60328035 EEG City Corp CERIODAPHNIA DUBIA SURVIVA
File: 6328035D 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

60328035 EEG City Corp CERIODAPHNIA DUBIA SURVIVA
File: 6328035D 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

60328035 EEG City Corp CERIODAPHNIA DUBIA REPRODU
File: 6328035E 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	4.020	14.520	22.920	14.520	4.020
OBSERVED	6	9	26	18	1

Calculated Chi-Square goodness of fit test statistic = 6.5904
Table Chi-Square value (alpha = 0.01) = 13.277

Data PASS normality test. Continue analysis.

60328035 EEG City Corp CERIODAPHNIA DUBIA REPRODU
File: 6328035E Transform: NO TRANSFORMATION

Bartlett's test for homogeneity of variance
Calculated B1 statistic = 0.93

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.

60328035 EEG City Corp CERIODAPHNIA DUBIA REPRODU
 File: 6328035E Transform: NO TRANSFORMATION

SUMMARY STATISTICS ON TRANSFORMED DATA TABLE 1 of 2

GRP	IDENTIFICATION	N	MIN	MAX	MEAN
1	CONTROL	10	18.000	25.000	21.300
2	32%	10	19.000	27.000	24.000
3	42%	10	18.000	28.000	24.200
4	56%	10	19.000	27.000	24.800
5	75%	10	20.000	28.000	24.800
6	100%	10	18.000	27.000	23.800

60328035 EEG City Corp CERIODAPHNIA DUBIA REPRODU
 File: 6328035E Transform: NO TRANSFORMATION

SUMMARY STATISTICS ON TRANSFORMED DATA TABLE 2 of 2

GRP	IDENTIFICATION	VARIANCE	SD	SEM	C.V. %
1	CONTROL	4.900	2.214	0.700	10.39
2	32%	6.667	2.582	0.816	10.76
3	42%	9.289	3.048	0.964	12.59
4	56%	6.844	2.616	0.827	10.55
5	75%	7.733	2.781	0.879	11.21
6	100%	7.289	2.700	0.854	11.34

60328035 EEG City Corp CERIODAPHNIA DUBIA REPRODU
 File: 6328035E Transform: NO TRANSFORMATION

ANOVA TABLE

SOURCE	DF	SS	MS	F
Between	5	84.483	16.897	2.373
Within (Error)	54	384.500	7.120	
Total	59	468.983		

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

60328035 EEG City Corp CERIODAPHNIA DUBIA REPRODU
 File: 6328035E Transform: NO TRANSFORMATION

GROUP	IDENTIFICATION	TRANSFORMED MEAN	MEAN CALCULATED IN ORIGINAL UNITS	T STAT	SIG
1	CONTROL	21.300	21.300		
2	32%	24.000	24.000	-2.263	
3	42%	24.200	24.200	-2.430	
4	56%	24.800	24.800	-2.933	
5	75%	24.800	24.800	-2.933	
6	100%	23.800	23.800	-2.095	

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

60328035 EEG City Corp CERIODAPHNIA DUBIA REPRODU
File: 6328035E Transform: NO TRANSFORMATION

GROUP	IDENTIFICATION	NUM OF REPS	Minimum Sig Diff (IN ORIG. UNITS)	% of CONTROL	DIFFERENCE FROM CONTROL
1	CONTROL	10			
2	32%	10	2.757	12.9	-2.700
3	42%	10	2.757	12.9	-2.900
4	56%	10	2.757	12.9	-3.500
5	75%	10	2.757	12.9	-3.500
6	100%	10	2.757	12.9	-2.500

Conc. ID	1	2	3	4	5	6
Conc. Tested	0	32	42	56	75	100
Response 1	.427	.441	.438	.396	.471	.401
Response 2	.486	.381	.362	.508	.478	.476
Response 3	.432	.401	.496	.391	.437	.474
Response 4	.459	.510	.456	.329	.506	.483
Response 5	.371	.451	.433	.486	.401	.435

*** Inhibition Concentration Percentage Estimate ***
 Toxicant/Effluent: EEG City Corp
 Test Start Date: 2/4/20 Test Ending Date: 2/11/20
 Test Species: Fathead
 Test Duration: 7 Day
 DATA FILE:

Conc. ID	Number Replicates	Concentration	Response Means	Std. Dev.	Pooled Response Means
1	5	0.000	0.435	0.043	0.441
2	5	32.000	0.437	0.050	0.441
3	5	42.000	0.437	0.049	0.441
4	5	56.000	0.422	0.074	0.441
5	5	75.000	0.459	0.041	0.441
6	5	100.000	0.454	0.035	0.441

*** 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	21	27	23	25	20	25
Response 2	19	21	24	27	26	24
Response 3	21	19	24	23	26	18
Response 4	18	26	18	23	20	26
Response 5	22	22	25	26	24	23
Response 6	19	26	28	27	28	23
Response 7	22	24	23	24	27	27
Response 8	24	26	28	27	25	25
Response 9	22	24	27	19	25	26
Response 10	25	25	22	27	27	21

*** Inhibition Concentration Percentage Estimate ***

Toxicant/Effluent: EEG City Corp

Test Start Date: 2/4/20 Test Ending Date: 2/11/20

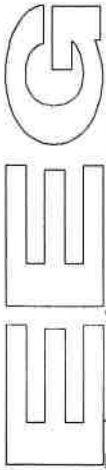
Test Species: Fathead

Test Duration: 7 Day

DATA FILE:

Conc. ID	Number Replicates	Concentration	Response Means	Std. Dev.	Pooled Response Means
1	10	0.000	21.300	2.214	23.820
2	10	32.000	24.000	2.582	23.820
3	10	42.000	24.200	3.048	23.820
4	10	56.000	24.800	2.616	23.820
5	10	75.000	24.800	2.781	23.820
6	10	100.000	23.800	2.700	23.800

*** 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.



Environmental Enterprise Group, Inc.
PROVIDING CUSTOMIZED SERVICES NATIONWIDE

1246-056046

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

Company Name:		Phone #:		Requested Analysis										Laboratory Control Number	Remarks (Please note special detection limits below)								
City Corporation		(479) 968-4989														022000	0028035						
Address:		Fax #:												022000	0028035								
P.O. Box 3186 Russellville, AR 72811-3186		(479) 968-3430														022000	0028035						
Project Name or Number:		Purchase Order #:												022000	0028035								
WET Testing																022000	0028035						
Sampling Personnel Signature(s): Brooks Tester		Printed: Brooks Tester												022000	0028035								
Sample ID	Date	Time	24hrComp	Grab	Plast	Glass	Cont Type	# of Containers	H2SO4	HNO3	NaOH	HCL	Ice			None	Water	Soil	Air	Sludge	Other	WET Testing	022000
Outfall 001	on 2/2/20 off 2/3/20	on 745 off 718	x		x			1					x		x						x	022000	
Relinquished by: Brooks Tester		Date: 2/3/20		Time: 922		Received by:										Date:	Time:						
Received by: Sneren		Date: 2/3/20		Time: 0922		Relinquished by:										Date:	Time:						
Relinquished by: Sneren		Date: 2/3/20		Time: 1400		Received by Laboratory: Brooks Tester										Date: 2/4/20	Time: 8:00						
Comments:																							



Sample Condition Upon Receipt

City Corp

EEG

Client Name: _____

Courier: FedEx UPS VIA Clay PEX ECI Pace Xroads Client Other

Tracking #: _____ Pace Shipping Label Used? Yes No

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Foam None Other

Thermometer Used: T-243 Type of Ice: Wet Blue None

Cooler Temperature (°C): As-read 4.0 Corr. Factor -1.6 Corrected 2.4

Date and initials of person examining contents:

2/6/20
EE 8:00

Temperature should be above freezing to 6°C

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Short Hold Time analyses (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Filtered volume received for dissolved tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> x/A	
Sample labels match COC: Date / time / ID / analyses	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples contain multiple phases? Matrix:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Containers requiring pH preservation in compliance? (HNO ₃ , H ₂ SO ₄ , HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Cyanide water sample checks:		
Lead acetate strip turns dark? (Record only)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Potassium iodide test strip turns blue/purple? (Preserve)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Trip Blank present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Headspace in VOA vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Samples from USDA Regulated Area: State:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> x/A	

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

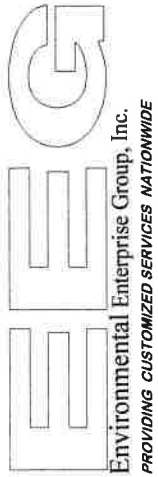
Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: _____

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

L 246-056046



Company Name:				Phone #:				Requested Analysis		Laboratory Control Number	Remarks					
City Corporation				(479) 968-4989							(Please note special detection limits below.)					
Address:				Fax #:												
P.O. Box 3186 Russellville, AR 72811-3186				(479) 968-3430												
Project Name or Number:				Purchase Order #:												
WET Testing																
Sampling Personnel Signature(s): <i>Brooks Teeter</i>				Printed: Brooks Teeter												
Sample I.D.	Date	Time	Cont. Type	# of Containers		Method Preserved						WET Testing				
						H2SO4	HNO3	NAOH	HCL	Ice	None		Water	Soil	Air	Sludge
Outfall 001	on 2/6/20 off 2/7/20	on 718 off 716	Plast.		2										022000156046-001	
Relinquished by: <i>Brooks Teeter</i>											Date:	2/7/20	Time:	947		
Received by: <i>[Signature]</i>											Date:	2/7/20	Time:	0947		
Relinquished by: <i>[Signature]</i>											Date:	2/7/20	Time:	1200		
Comments:											Date:	2/7/20	Time:	15:30		



Sample Condition Upon Receipt

City Corp

Client Name: EEG

Courier: FedEx UPS VIA Clay PEX ECI Pace Xroads Client Other

Tracking #: _____ Pace Shipping Label Used? Yes No

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Foam None Other

Thermometer Used: T-243 Type of Ice: Wet Blue None

Cooler Temperature (°C): As-read 3.6 Corr. Factor -1.6 Corrected 2.0

Date and initials of person examining contents:

2/7/20
EEG 15:30

Temperature should be above freezing to 6°C

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Short Hold Time analyses (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Filtered volume received for dissolved tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> x/A	
Sample labels match COC: Date / time / ID / analyses	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples contain multiple phases? Matrix:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Containers requiring pH preservation in compliance? (HNO ₃ , H ₂ SO ₄ , HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks:		
Lead acetate strip turns dark? (Record only)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Potassium iodide test strip turns blue/purple? (Preserve)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Trip Blank present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Headspace in VOA vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Samples from USDA Regulated Area: State:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> x/A	

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: _____