



November 23, 2020

Mike Cole EEG 220 N Knoxville Avenue Russellville, AR 72801

RE: Project: CITY CORPORATION, L246-057058

Pace Project No.: 60353894

Dear Mike Cole:

Enclosed are the analytical results for sample(s) received by the laboratory on November 10, 2020. 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 Project Manager

Jami Church

Enclosures

cc: Mike Cole, Environmental Enterprise Group, Inc.

Stacy Ness, EEG

Stacy Ness-copy invoice, EEG, Inc.





9608 Loiret Blvd. Lenexa, KS 66219 (913)599-5665



CERTIFICATIONS

Project: CITY CORPORATION, L246-057058

Pace Project No.: 60353894

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: CITY CORPORATION, L246-057058

Pace Project No.: 60353894

Lab ID	Sample ID		Date Collected	Date Received
60353894001	OUTFALL 001	Water	11/09/20 07:15	11/10/20 06:55

REPORT OF LABORATORY ANALYSIS



SAMPLE ANALYTE COUNT

Project: CITY CORPORATION, L246-057058

Pace Project No.: 60353894

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60353894001	OUTFALL 001	EPA 821/R-02/013	MEB	1	PASI-SE

PASI-SE = Pace Analytical Services - SE Kansas



ANALYTICAL RESULTS

Project: CITY CORPORATION, L246-057058

Pace Project No.: 60353894

Date: 11/23/2020 04:33 PM

Sample: OUTFALL 001	Lab ID: 603	353894001	Collected: 11/09/2	0 07:15	Received: 11	/10/20 06:55	Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Chronic Toxicity	Analytical Met Pace Analytica							
Toxicity, Chronic	Complete		1.0	1		11/10/20 11:4	0	

REPORT OF LABORATORY ANALYSIS



QUALIFIERS

Project: CITY CORPORATION, L246-057058

Pace Project No.: 60353894

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: 11/23/2020 04:33 PM



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CITY CORPORATION, L246-057058

Pace Project No.: 60353894

Date: 11/23/2020 04:33 PM

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60353894001	OUTFALL 001	EPA 821/R-02/013	690235		



Sample Condition Upon Receipt



Courier: FedEx	Client Name: EEGI CHU LOUD		
Custody Seal on Cooler/Box Present: Yes X No	Courier: FedEx □ UPS □ VIA 🔁 Clay □	PEX □ ECI □	Pace ☐ Xroads ☐ Client ☐ Other ☐
Packing Material: Bubble Wrap Bubble Bags Foam None X Other Thermometer Used: T-111 Type of loc_Will Blue None Cooler Temperature (*C): As-read S_H_ Corr. Factor_1.2 Corrected 2.2 bate and initials of persponexamining contents: & Imperature should be above freezing to 6*C Chain of Custody present: Xves No NNA Chain of Custody relinquished: NNA NNA Samples arrived within holding time: PAves No NNA Samples arrived within holding time: PAves NN NNA Short Hold Time analyses (<72hr): Xves NN NNA Short Hold Time analyses (<72hr): Xves NN NNA Short Hold Time analyses (<72hr): Xves NN NNA Sufficient volume: Xves NN NNA Pace containers used: Xves NN NNA Containers intact: Xves NN NNA Unpreserved 5035A / TX1005/*006 soils frozen in 48hrs? Ves NN NNA Samples dontain multiple phases? Matrix Ves NN NNA Samples contain multiple phases? Matrix Ves NN NNA Samples contain multiple phases? Matrix Ves NN NNA Containers requiring pH preservation in compliance? Ves NN NNA Samples contain multiple phases? Matrix Ves NN NNA Containers requiring pH preservation in compliance? Ves NN NNA Samples from Using heads? (Record only) Ves NN NNA Containers requiring pH preservation in compliance? Ves NN NNA Containers requiring pH preservation in compliance? Ves NN NNA Containers requiring pH preservation in compliance? Ves NN NNA Containers requiring pH preservation in compliance? Ves NN NNA Containers requiring pH preservation in compliance? Ves NN NNA Containers requiring pH preservation in compliance? Ves NN NNA Containers requiring pH preservation in compliance? Ves NN NNA Containers requiring pH preservation in compliance? Ves NN NNA Containers requiring pH preservation in compliance? Ves NN NNA Containers requiring pH preservation in compliance? Ves NN NNA Containers requiring pH preservation in complian	Tracking #: Pa	ce Shipping Label Used	ł? Yes □ No X
Thermometer Used: T-111 Type of Ice	Custody Seal on Cooler/Box Present: Yes X No □	Seals intact: Yes X	No □
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	Comments/ Resolution		
	- KEVIEWEDI		
		Dat	e:

Environmental Enterprise Group, Inc. PROVIDING CUSTOMIZED SERVICES NATIONWIDE

1244-05705B

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

Company Name: Phone #:		Requested Analysis		
ooration	(479) 968-4989			
Address: Fax #:				
P.O. Box 3186 Russellville, AR 72811-3186	(479) 968-3430		Laboratory	
Project Name or Number:	Purchase Order #:			Remarks (Please note special
Sampling Personnel Signature(s): Charlott Petrul, Printed: CHAR LOTTE				detection milits below.)
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02 6 11				

CHRONIC TOXICÍTY 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

November 19, 2020

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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 CITY CORPORATION effluent discharge from November 9, 2020 to November 13, 2020. All the test methods followed are as listed in <u>EPA 8100-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 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 19.8.

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 18.1.

The chronic toxicity exhibited by the fathead minnows and the <u>Ceriodaphnia</u> treated by the effluent sampled from November 9 to November 13 from the CITY CORPORATION effluent discharge, is acceptable as described in <u>EPA 8100-R-</u>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 <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 8100-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 personnel collected sampling of the effluent. A sample of the effluent was delivered to Pace by commercial carrier on 11-10-20. Subsequent samples followed by delivery on 11-12-20 and on 11-13-20. All samples were stored at \leq 6° Celsius. Moderately Hard Synthetic was used as the control and to make the required dilutions in the test as described in <u>EPA 8100-R-02-013</u>.

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 11-10-20 and carried out until 11-17-20. 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 <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

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.

Permittee: CITY CORPORATION Effluent discharge.

Date Sampled

No. 1: 11-9-20

7:15

No. 2: 11-11-20

7:01

No. 3: 11-13-20

7:11

Test Initiated: 11:40 Test End:

11:30

Date: 11-10-20

Date: 11-17-20

Ceriodaphnia dubia	Results
TLP3B	0
TGP3B	0
ТОРЗВ	100%
TPP3B	100%
TQP3B	16.56
Pimephales promelas	Results
TLP6C	0
TGP6C	0
TOP6C	100%
TPP6C	100%
TQP6C	12.22

Dilution Water used: Moderately Hard Synthetic

FATHEAD MINNOW LARVAE GROWTH AND SURVIVAL (Pimephales promelas)

DATA TABLE FOR GROWTH OF FATHEAD MINNOWS

DATA TABLE FOR GROWTH OF PATTLEAD WINNINGWS									
Effluent Concentration (%)	Averag A		eight in Mi te Chamb C	Mean Dry Weight (mg)	CV% *				
Control 0%	0.294	0.342	0.397	0.368	0.384	0.357	11.42		
Dilution 1 32%	0.297	0.333	0.294	0.313	0.408	0.329	14.23		
Dilution 2 42%	0.327	0.435	0.328	0.391	0.387	0.384	9.96		
Dilution 3 56%	0.292	0.444	0.367	0.313	0.421	0.367	17.94		
Dilution 4 75%	0.381	0.323	0.436	0.346	0.392	0.376	11.60		
Dilution 5 100%	0.416	0.330	0.337	0.388	0.312	0.357	12.22		

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

FATHEAD MINNOW SURVIVAL

Conc. %	Percent Survival in Replicate Chambers					Mean Percent Survival			CV %
	Α	В	С	D	E	24hr	48hr	7 day	
Control 0%	75	100	100	100	100	100	100	95	9.30
Dilution 1	87.5	100	87.5	100	100	100	100	95	5.99
Dilution 2 42%	100	100	100	100	100	100	100	100	0.00
Dilution 3 56%	75	100	100	100	100	100	100	95	9.30
Dilution 4	100	87.5	100	100	100	100	100	97.5	4.79
Dilution 5 100%	100	100	100	100	87.5	100	100	97.5	4.79

Permittee: CITY CORPORATION Effluent discharge.

CERIODAPHNIA SURVIVAL AND REPRODUCTION

DATA TABLE FOR CERIODAPHNIA YOUNG PRODUCTION

Replicate	Control	Dilution 1	Dilution 2	Dilution 3	Dilution 3	Dilution 4
·	0%	32%	42%	56%	75%	100%
1	15	22	25	22	28	32
2	20	26	23	29	24	24
3	18	19	18	25	24	22
4	19	24	26	23	25	21
5	16	22	17	20	27	25
6	23	26	25	23	20	24
7	23	26	18	25	25	19
8	21	16	24	19	25	26
9	17	24	28	25	17	27
10	21	24	19	22	23	19
Mean	19.3	22.9	22.3	23.3	23.8	23.9
SD	2.791	3.281	3.945	2.869	3.225	3.957
CV %	14.46	14.33	17.69	12.31	13.55	16.56

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	0.000	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

	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
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
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%.

FINE.

\$2.00 mg

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
	A Li Librarda a lavala
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
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

TABLE 2 (SECTION 2) INITIAL WATER QUALITY EFFLUENT CONCENTRATION

	Control	100%
PH	7.50	7.34
D.O.	8.20	8.10
Temp	25.0	25.0
Alk	62	98
Hard	96	64
Cond	324	628
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

Z4 Hour viator dad	1119 1110 010 011 01111		
Effluent	PH	D.O.	Temperature
Concentration (%)		(mg/l)	(C)
0% Control	7.78	7.00	24.5
32% Effluent	7.64	6.90	25.1
42% Effluent	7.61	6.90	25.1
56% Effluent	7.60	6.80	25.1
75% Effluent	7.56	6.80	25.1
100% Effluent	7.52	6.80	25.1

48-Hour Water Quality Measurements						
Effluent	PH	D.O.	Temperature			
Concentration (%)		(mg/l)	(C)			
0% Control	7.57	7.00	24.9			
32% Effluent	7.46	7.00	24.6			
42% Effluent	7.49	6.90	24.6			
56% Effluent	7.83	6.70	24.6			
75% Effluent	7.68	6.60	24.6			
100% Effluent	7.65	6.40	24.6			

FINAL WATER QUALITY

EFFLUENT CONCENTRATION

	Control	100%
рН	7.76	7.95
D.O.	7.00	6.80
Temp	25.1	25.0
Alk	62	100
Hard	90	68
Cond	359	727

* 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 95. The mean dry weight (growth) of the <u>Pimephales promelas</u> was determined at 0.357 mg/organism in the controls. The percent coefficient of variation (%CV) values for the fathead minnow control for survival and growth were 9.30 and 11.42. The <u>Ceriodaphnia dubia</u> survival rates were 100 in the control. The <u>Ceriodaphnia in the control produced an average of 19.3 young over the seven-day exposure period. Percent CV values for <u>Ceriodaphnia dubia</u> control survival and reproduction was 0.00 and 14.46. Control data met or exceeded all criteria set out by <u>EPA 8100-R-02-013</u> for test acceptance.</u>

V place

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: 11/3/20 13:00

End: 11/10/20 13:20

Pimephales promelas Reference Toxicant (NaCl)

 TOTOTOO TOMO	1				
Concentration	Avg. # of Live Organisms/replicate				
of Toxicant					
	0 hrs	24 hrs	48 hrs	7 days	
10 g/l	40	8	3	0	
8 g/l	40	37	29	5	
6 g/l	40	38	35	24	
4 g/l	40	40	40	38	
2 g/l	40	40	40	39	

IC25 (5.02 g/l Sodium Chloride)

Survival NOEC: 4.0 g/l

Reference Toxicant (NaCl) Ceriodaphnia Dubia

Veleteling Loylo					
Concentration	Avg. # of Live Organisms/replicate				
of Toxicant			40.1	7	
1	0 hrs	24 hrs	48 hrs	7 days	
2.5 g/l	10	6	3	0	
2.0 g/l	10	10	9	3	
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 (1.20 g/l Sodium Chloride)

Survival NOEC: 1.5 g/l

Submitted By: Jim Hamell Timothy Harrell, Technical Director 60353894 EEG FATHEAD SURVIVAL

File: 6353894A 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	11.460	7.260	2.010

Calculated Chi-Square goodness of fit test statistic = 18.2325 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.

60353894 EEG FATHEAD SURVIVAL

File: 6353894A Transform: ARC SINE(SQUARE ROOT(Y))

Shapiro Wilk's test for normality

D = 0.116

W = 0.714

200

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.

60353894 EEG FATHEAD SURVIVAL

File: 6353894A Transform: ARC SINE(SQUARE ROOT(Y))

SUMMARY STATISTICS ON TRANSFORMED DATA TABLE 1 of 2

GRP	IDENTIFICATION	N	MIN	MAX	MEAN
1	CONTROL		0.886	1.107	1.063
2	32%	5	0.991	1.107	1.061
3	42%	5	1.107	1.107	1.107
4	56%	5	0.886	1.107	1.063
5	75%	5	0.991	1.107	1.084
6	100%	5	0.991	1.107	1.084
			를 맞고하는 He (He (He (He (He (He (He (He (He (He		

60353894 EEG FATHEAD SURVIVAL

File: 6353894A Transform: ARC SINE(SQUARE ROOT(Y))

SUMMARY STATISTICS ON TRANSFORMED DATA TABLE 2 of 2

GRP	IDENTIFICATION	VARIANCE	SD	SEM	C.V. %
1	CONTROL	0.010	0.099	0.044	9.30
2	32%	0.004	0.064	0.028	5.99
3	428	0.000	0.000	0.000	0.00
4	56%	0.010	0.099	0.044	9.30
5	75%	0.003	0.052	0.023	4.79
6	100%	0.003	0.052	0.023	4.79

60353894 EEG FATHEAD SURVIVAL

File: 6353894A Transform: ARC SINE(SQUARE ROOT(Y))

ANOVA TABLE

SOURCE	DF	SS	MS	F
Between	5	0.008	0.002	0.345
Within (Error)	24	0.116	0.005	
Total	29	0.124		

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

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

60353894 EEG FATHEAD SURVIVAL

File: 6353894A Transform: ARC SINE(SQUARE ROOT(Y))

GROUP	IDENTIFICATION	TRANSFORMED MEAN	MEAN CALCULATED IN ORIGINAL UNITS	T STAT	SIG
1 2 3 4 5 6	CONTROL 32% 42% 56% 75% 100%	1.063 1.061 1.107 1.063 1.084 1.084	0.760 0.760 0.800 0.760 0.780 0.780	0.050 -1.006 0.000 -0.478 -0.478	

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

60353894 EEG FATHEAD SURVIVAL

File: 6353894A Transform: ARC SINE(SQUARE ROOT(Y))

	DUNNETT'S TEST =	TABLE 2	OF 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	0.093	12.3	0.000
3	42%	5	0.093	12.3	-0.040
income a	56%	5	0.093	12.3	0.000
5	75%	5	0.093	12.3	-0.020
6	100%	5	0.093	12.3	-0.020

60353894 EEG FATHEAD GROWTH

File: 6353894B Transform: NO TRANSFORMATION

Shapiro - Wilk's test for normality

D = 0.054

W = 0.965

Time-

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.

60353894 EEG FATHEAD GROWTH

File: 6353894B Transform: NO TRANSFORMATION

Bartlett's test for homogeneity of variance

Calculated B1 statistic = 1.55

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.

Page 26 of 42

60353894 EEG FATHEAD GROWTH

File: 6353894B Transform: NO TRANSFORMATION

SUMMARY STATISTICS ON TRANSFORMED DATA TABLE 1 of 2

GRP	IDENTIFICATION	N	MIN	MAX	MEAN
1	CONTROL	5	0.294	0.397	0.357
2	32%	5	0.294	0.408	0.329
3	42%	5	0.328	0.435	0.384
4	56%	5	0.292	0.444	0.367
5	75%	5	0.323	0.436	0.376
6	100%	5	0.312	0.416	0.357

60353894 EEG FATHEAD GROWTH

File: 6353894B Transform: NO TRANSFORMATION

SUMMARY STATISTICS ON TRANSFORMED DATA TABLE 2 of 2

1 CONTROL 0.002 0.041 0.018 11.42 2 32% 0.002 0.047 0.021 14.23 3 42% 0.001 0.038 0.017 9.96 4 56% 0.004 0.066 0.029 17.94 5 75% 0.002 0.044 0.019 11.60 6 100% 0.002 0.044 0.019 12.22	GRP	IDENTIFICATION	VARIANCE	SD	SEM	C.V. %
3 42% 0.001 0.038 0.017 9.96 4 56% 0.004 0.066 0.029 17.94 5 75% 0.002 0.044 0.019 11.60	1	CONTROL	0.002	0.041	0.018	11.42
4 56% 0.004 0.066 0.029 17.94 5 75% 0.002 0.044 0.019 11.60	2	32%	0.002	0.047	0.021	14.23
5 75% 0.002 0.044 0.019 11.60	3	42%	0.001	0.038	0.017	9.96
75.	4	56%	0.004	0.066	0.029	17.94
6 100% 0.002 0.044 0.019 12.22	5	75%	0.002	0.044	0.019	11.60
	6	100%	0.002	0.044	0.019	12.22

60353894 EEG FATHEAD GROWTH

File: 6353894B Transform: NO TRANSFORMATION

ANOVA TABLE

	SOURCE	DF	SS	MS	F
	Between	5	0.009	0.002	0.813
7	Within (Error)	24	0.054	0.002	
	Total	29	0.063		
			#2프로리 = (B) (B) 프로마 (B)		

Critical F value = 2.62 (0.05,5,24) Since F < Critical F FAIL TO REJECT Ho: All equal

60353894 EEG FATHEAD GROWTH

File: 6353894B Transform: NO TRANSFORMATION

Ho:Control<Treatment

DUNNETT	S	TEST	1996	TABLE	1	OF	

GROUP	IDENTIFICATION	TRANSFORMED MEAN	MEAN CALCULATED IN ORIGINAL UNITS	T STAT	SIG
To the late of	CONTROL	0.357	0.357		
2	32%	0.329	0.329	0.935	
3	42%	0.384	0.384	-0.888	
4	56%	0.367	0.367	-0.347	
5	75%	0.376	0.376	-0.621	
6	100%	0.357	0.357	0.013	

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

60353894 EEG FATHEAD GROWTH

File: 6353894B 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)	% of CONTROL	DIFFERENCE FROM CONTROL
1	CONTROL	5			
2	32%	5	0.071	19.8	0.028
3	42%	5	0.071	19.8	-0.027
4	56%	5	0.071	19.8	-0.010
5	75%	5	0.071	19.8	-0.019
6	100%	5	0.071	19.8	0.000

FISHER'S EXACT TEST

100 mg

		NUMBER OF		
IDENTIFICATION		ALIVE	DEAD	TOTAL ANIMALS
Sept.	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

NUMBER OF

IDENTIFICATION	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

=======================================	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

	****	.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

			NUMBER OF				
IDENTI	FICATION	ALIVE	DEAD	TOTAL ANIMALS			
-7.	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)	
CONTROL 10 0	
1 32% 10 0	
2 42% 10 0	
3 56% 10 0	
4 75% 10 0	
5 100% 10 0	

60353894 EEG CERIODAPHNIA DUBIA SURVIVA

File: 6353894D Transform: NO TRANSFORM

SUMMARY STATISTICS ON TRANSFORMED DATA TABLE 1 of 2

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	GRP	CIDENTIFICATION	N	MIN	XAM	MEAN
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	1			1.000		
5 75% 10 1.000 1.000	2 3					
730 20 2000	4					
	5 6	, = -				

60353894 EEG CERIODAPHNIA DUBIA SURVIVA

File: 6353894D 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

60353894 EEG CERIODAPHNIA DUBIA REPRODU

File: 6353894E Transform: NO TRANSFORMATION

Chi-square test for normality: actual and expected frequencies

Calculated Chi-Square goodness of fit test statistic = 2.3179

Table Chi-Square value (alpha = 0.01) = 13.277

Data PASS normality test. Continue analysis.

60353894 EEG CERIODAPHNIA DUBIA REPRODU

File: 6353894E Transform: NO TRANSFORMATION

Bartlett's test for homogeneity of variance Calculated B1 statistic = 1.96

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.

60353894 EEG CERIODAPHNIA DUBIA REPRODU

File: 6353894E Transform: NO TRANSFORMATION

SUMMARY STATISTICS ON TRANSFORMED DATA TABLE 1 of 2

G:	RP	IDENTIFICATION	N	MIN	MAX	MEAN
-	1	CONTROL	10	15.000	23.000	19.300
	⊥ 2.	32%	10	16.000	26.000	22.900
	3	42%	10	17.000	28.000	22.300
	4	56%	10	19.000	29.000	23.300
	5	75%	10	17.000	28.000	23.800
	6	100%	10	19.000	32.000	23.900

60353894 EEG CERIODAPHNIA DUBIA REPRODU

File: 6353894E Transform: NO TRANSFORMATION

SUMMARY STATISTICS ON TRANSFORMED DATA TABLE 2 of 2

GRP	IDENTIFICATION	VARIANCE	SD	SEM	C.V. %	
(225)		E 500	0 701	0.883	14.46	
1	CONTROL	7.789	2.791	0.003	14.40	
2	32%	10.767	3.281	1.038	14.33	
3	42%	15.567	3.945	1.248	17.69	
4	56%	8.233	2.869	0.907	12.31	
5	75%	10.400	3.225	1.020	13.55	
6	100%	15.656	3.957	1.251	16.56	

60353894 EEG CERIODAPHNIA DUBIA REPRODU

File: 6353894E Transform: NO TRANSFORMATION

ANOVA TABLE

SOURCE	DF	SS	MS	F
Between	5	146.883	29.377	2.576
Within (Error)	54	615.700	11.402	
Total	59	762.583		

Critical F value = 2.45 (0.05,5,40)

Since F > Critical F REJECT Ho: All equal

60353894 EEG CERIODAPHNIA DUBIA REPRODU

File: 6353894E Transform: NO TRANSFORMATION

GROUP	IDENTIFICATION	TRANSFORMED MEAN	MEAN CALCULATED IN ORIGINAL UNITS	T STAT	SIG
					2020
1	CONTROL	19.300	19.300		
2	32%	22.900	22.900	-2.384	
3	42%	22.300	22.300	-1.987	
4	56%	23.300	23.300	-2.649	
5	75%	23.800	23.800	-2.980	
6	100%	23.900	23.900	-3.046	
					E 202 E

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

60353894 EEG CERIODAPHNIA DUBIA REPRODU

File: 6353894E Transform: NO TRANSFORMATION

NUM OF Minimum Sig Diff % of DIFFERENCE GROUP IDENTIFICATION REPS (IN ORIG. UNITS) CONTROL FROM CONTROL		DUNNETT'S TEST =	TABLE 2 O			Treatment
	GROUP	IDENTIFICATION				
1 CONTROL 10	1	CONTROL	10			
2 32% 10 3.488 18.1 -3.600	2	32%	10	3.488	18.1	-3.600
3 42% 10 3.488 18.1 -3.000	3	42%	10	3.488	18.1	-3.000
4 56% 10 3.488 18.1 -4.000	4	56%	10	3.488	18.1	-4.000
5 75% 10 3.488 18.1 -4.500	5	75%	10	3.488	18.1	-4.500
6 100% 10 3.488 18.1 -4.600	6	100%	10	3.488	18.1	-4.600

Conc. ID	1	2	3	4	5	6
Conc. Tested	0	32	42	56	75	100
Response 1 Response 2 Response 3	15 20 18	22 26 19	25 23 18	22 29 25	28 24 24	32 24 22
Response 4 Response 5 Response 6	19 16 23	24 22 26 26	26 17 25 18	23 20 23 25	25 27 20 25	21 25 24 19
Response 7 Response 8 Response 9 Response 10	23 21 17 21	16 24 24	24 28 19	19 25 22	25 17 23	26 27 19
[전경 전 (전 / II						

*** Inhibition Concentration Percentage Estimate ***

Toxicant/Effluent: EEG City Corp Test Start Date: 11/10/20 Test Ending Date: 11/17/20

Test Species: Dubia

Test Duration: 7 Day

DATA FILE:

Conc.	Number Replicates	Concentration	Response Means	Std. Dev.	Pooled Response Means
1	10	0.000	19.300	2.791	22.583
2	10	32.000	22.900	3.281	22.583
3	10	42.000	22.300	3.945	22.583
4	10	56.000	23.300	2.869	22.583
5	10	75.000	23.800	3.225	22.583
6	10	100.000	23.900	3.957	22.583

^{***} 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. Tes	ted	0	32	42	56	75	100
Response Response Response Response	1 2 3 4 5	.294 .342 .397 .368 .384	.297 .333 .294 .313	.377 .435 .328 .391 .387	.292 .444 .367 .313	.381 .323 .436 .346	.416 .330 .337 .388 .312

*** Inhibition Concentration Percentage Estimate ***

Toxicant/Effluent: EEG
Test Start Date: 11/10/20 Test Ending Date: 11/17/20

Test Species: Fathead Test Duration: 7 Day

DATA FILE:

Conc. ID	Number Replicates	Concentration	Response Means	Std. Dev.	Pooled Response Means
1 2 3 4 5	5 5 5 5 5 5	0.000 32.000 42.000 56.000 75.000	0.357 0.329 0.384 0.367 0.376 0.357	0.041 0.047 0.038 0.066 0.044 0.044	0.363 0.363 0.363 0.363 0.363

^{***} 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.



L246-057058

Received by Relinquished by: Comments: Relinquished by: Outfall 001 78 Sampling Personnel Signature(s): Charlotte Project Name or Number: City Corporation Address: Company Name: P.O. Box 3186 Russellville, AR 72811-3186 4 Alles Sample I.D. MINNOWS Date 7ime 24 Hr Comp. Grab × Plast. Glass Purchase Order #: Fax #: Phone #: Containers # of Printed: CHAR PETRICK Date | Time | 1200 both Species H2SO4 Method Preserved | Sample Matrix (479) 968-3430 (479) 968-4989 HNO3 NAOH HCL 0805 Time: \times lce None Water Soil Received by Received by Laboratory: Relinquished by: Air Sludge × **Bio-Monitoring** Requested Analysis 11/19/20 Date: Date: Date: 1120128 Laboratory Control Number Time: Time: Time detection limits below.) Olo (Please note special Remarks

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



950 LSO-9h27

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

Company Name: Pi	Phone #:		Requested Analysis		
City Corporation	(479) 968-4989				
	Fax #:				
P.O. Box 3186 Russellville, AR 72811-3186	(479) 968-3430			Laboratory	
	Purchase Order #:			Control	Remarks
4th Qtr & Retest				Number	(Please note special detection limits below.)
Sampling Personnel Signature(s): 3055545	Printed: Brooks Teeter	itoring			
	Method Preserved Sample Matrix				
24 Hr Cor Grab Plast. Glass	Containers H2SO4 HNO3 NAOH HCL Ice None Water Soil	Air Sludge Other Bio-M			
Outfall 001 off-11/11/12 off- 701 X X	×			1120128	
Relinquished by:	Date: Time: JI/II/20 0822	Received by:	Rodelas	Date:	Time: ズ <i>o</i> o
Received by: Edward	Date: Time: 0822	Relinquished by:	0	Date:	Time:
Relinquished by:	Date: Time: 1400	Received by Laboratory:		Date:	Time:
Comments: MITTINGHY BATTY!	BOHN Species				



Sample Condition Upon Receipt

Client Name: Cty Corp		
Courier: FedEx □ UPS □ VIA → Clay □	PEX □ ECI □	Pace □ Xroads □ Client □ Other □
Tracking #: Pa	ace Shipping Label Us	ed? 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-111 Type of	of Ice: (Vet) Blue N	
Cooler Temperature (°C): As-read 3. 2 Corr. Fac	ctor -1.2 Corre	Date and initials of person examining contents:
Temperature should be above freezing to 6°C		11/12/20 800
Chain of Custody present:	XYes □No □N/A	,
Chain of Custody relinquished:	Yes No NA	
Samples arrived within holding time:	Maryes □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 □x/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.
(HNO₃, H₂SO₄, HCI<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 fie	ld? □Yes □No X x/A	
Client Notification/ Resolution: Copy COC	to Client? Y / N	Field Data Required? Y / N
Person Contacted: Date	e/Time:	
Comments/ Resolution:		
	7	-1
Project Manager Review:		ate:

Environmental Enterprise Group, Inc. PROVIDING CUSTOMIZED SERVICES NATIONWIDE

1246-057058

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

Company Name: Phor	Phone #: Reques	Requested Analysis		
City Corporation	(479) 968-4989			
Address: Fax #:	#			
P.O. Box 3186 Russellville, AR 72811-3186	(479) 968-3430	La	Laboratory	
	Purchase Order #:		_	Remarks
4th Ot a Retest			Number	(Please note special detection limits below)
Sampling Personnel Signature(s):	Printed: C /+ A 1.0 1.76 19			
Mary July	atrix			
Outfall 001 (M. 11/21) + 11 X X	× × ×	112	1120128	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
Relinguished by: Petruik	Date: Time: Received by: House	Mare Obate	13/20	Time: '4'
Received by:	Date: Time: Relinquished by:	Date:		Time:
Relinquished by:	Date: Received by Laboratory: Received by Laboratory:	Date:		Time:
Comments: # # # Comments:	BOM Species			



Sample Condition Upon Receipt

Client Name: EEG				
Courier: FedEx UPS VIA B Clay P	PEX 🗆 ECI		Pace ☐ Xroads ☐ Client ☐ Other ☐	
Tracking #: Pace	e Shipping Labe	el Used	d? Yes □ No X	
Custody Seal on Cooler/Box Present: Yes X No □	Seals intact:	Yes X	No □	
Packing Material: Bubble Wrap □ Bubble Bags □] Foa	m 🗆	None X Other □	
	Ice: Wet Blu	e Nor		
Cooler Temperature (°C): As-read $\frac{1}{2}$ Corr. Factor	or1.2 C	orrect	ted 3, 0 Date and initials of person examining contents:	
Temperature should be above freezing to 6°C			11/13/20 14:40	
Chain of Custody present:	XYes □No	□N/A		
Chain of Custody relinquished:	⊠Yes □No	□n/a		
Samples arrived within holding time:	Ges □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	□x/A		
Sample labels match COC: Date / time / ID / analyses	XYes □No	□n/a		
Samples contain multiple phases? Matrix:	□Yes X No	□n/a		
Containers requiring pH preservation in compliance?	□Yes □No	X _{N/A}	List sample IDs, volumes, lot #'s of preservative and the	
(HNO ₃ , H ₂ SO ₄ , HCI<2; NaOH>9 Sulfide, NaOH>10 Cyanide)			date/time added.	
(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	X _{N/A}		
Samples from USDA Regulated Area: State:	☐Yes ☐No	Xn/A		
Additional labels attached to 5035A / TX1005 vials in the field	? □Yes □No	X _{x/A}		
	o Client? Y /		Field Data Required? Y / N	
Person Contacted: Date/T	Гime:			
Comments/ Resolution:				
Project Manager Review:	-,	Dat	e:	