



## Environmental Laboratory and Consulting Company

Analytical Laboratory - Environmental Consulting - Permit Application and Compliance

# Certificate of Analysis

ODEQ ID # 9953

To: JENNIFER FALSETTI  
FOX 25 NEWS KOKH  
1228 E WILSHIRE BLVD  
OKLAHOMA CITY, OK 73111

Project #:  
Project Name:

Date Received: 9/1/2016  
Report Date: 9/7/2016

Lab Number	Sample Identification	Date Sampled	Analysis Date	Time	By	Analyzed Parameter	Q	Results	Units	RL	SQL	Method	Batch	
201605489	GUTHRIE WATER SAMPLE	8/31/2016	9/6/2016	12:30	JC	Chloride		84.4	mg/l	0.383	0.383	SM4500-CL	9787	
		8/31/2016	9/2/2016	14:00	MY	Color		7					SM_2120C	9752
		8/31/2016	9/6/2016	15:00	WM	Fluoride		0.25	mg/L	0.2	0.2	SM 4500FL	9781	
		8/31/2016	9/1/2016	14:10	SV	Nitrate Nitrogen	U	BDL	mg/l	0.2	0.2	SM_4500-C	9742	
		8/31/2016	9/1/2016	14:45	SV	Nitrite Nitrogen		0.543	ppm	0.005	0.01	SM_4500-N	9743	
		8/31/2016	9/1/2016	13:58	SS	pH		7.11	s.u.			EPA 150.1	9739	
		8/31/2016	9/6/2016	14:30	WM	Sulfate		46.5	mg/l	1.5	1.5	SM4500-S	9780	
		8/31/2016	9/2/2016	15:30	WM	Total Dissolved Solids		396	mg/l	5.5	5.5	SM_2540C	9791	
201605490		8/31/2016	9/2/2016	15:40	JL	Aluminum		0.013	mg/l	0.004	0.004	200.7/6010	9761	
		8/31/2016	9/2/2016	15:40	JL	Calcium		12.34	mg/l	0.013	0.013	200.7/6010	9774	
		8/31/2016	9/2/2016	15:40	JL	Copper	U	BDL	mg/l	0.001	0.001	200.7/6010	9758	
		8/31/2016	9/2/2016	15:40	JL	Iron	U	BDL	mg/l	0.009	0.009	200.7/6010	9760	
		8/31/2016	9/2/2016	15:40	JL	Magnesium		13.7	mg/l	0.004	0.004	200.7/6010	9772	
		8/31/2016	9/2/2016	15:40	JL	Manganese		0.02	mg/l	0.001	0.001	200.7/6010	9762	
		8/31/2016	9/2/2016	15:40	JL	Silver	U	BDL	mg/l	0.001	0.001	200.7/6010	9756	
		8/31/2016	9/2/2016	15:40	JL	Sulfur		16.02	mg/l	0.014	0.014	ICP	9776	
8/31/2016	9/2/2016	15:40	JL	Zinc		0.216	mg/l	0.002	0.002	200.7/6010	9759			

*Susie Southwell*

Laboratory Authorized Signature



**Environmental Laboratory and Consulting Company**

Analytical Laboratory - Environmental Consulting - Permit Application and Compliance

**Certificate of Analysis**

**ODEQ ID # 9953**

To: JENNIFER FALSETTI  
FOX 25 NEWS KOKH  
1228 E WILSHIRE BLVD  
OKLAHOMA CITY, OK 73111

Project #:  
Project Name:

Date Received: 9/1/2016  
Report Date: 9/7/2016

Lab	Sample	Date	Analysis	Analized										
Number	Identification	Sampled	Date	Time	By	Parameter	Q	Results	Units	RL	SQL	Method	Batch	

Note:

- RL = Reporting Limit. SQL\* = Sample Quantitation Level.
- B = Analyte was detected in both the sample and associated blank.
- OL2 = Subcontracted to ODEQ Lab #7211.
- M = Matrix effect present
- \* When a sample contains a high concentration of either a target or non-target compound(s) or interference, it must be diluted. SQL = Dilution factor x MDL. Samples are disposed of 20 days after the sample is reported.
- BDL = Analyte was analyzed for but not detected above RL.
- J = Analyte was detected above the RL but below the PQL.
- Q = Surrogate recovery fell outside acceptance limits.
- U = Analyte was analyzed for but not detected above RL

*Susie Southwell*

Laboratory Authorized Signature



Environmental Laboratory and Consulting Company

Analytical Laboratory - Environmental Consulting - Permit Application and Compliance

Certificate of Analysis

ODEQ ID # 9953

To: JENNIFER FALSETTI
FOX 25 NEWS KOKH
1228 E WILSHIRE BLVD
OKLAHOMA CITY, OK 73111

Project #:
Project Name:

Date Received: 9/1/2016
Report Date: 9/7/2016

Table with columns: Lab Number, Sample Identification, Date Sampled, Analysis Date, Analyzed Time, Analyzed By, Parameter, Q Results, Units, RL, SQL, Method, Batch. Contains data for GUTHRIE WATER SAMPLE with various chemical analyses.

Susie Southwell

Laboratory Authorized Signature



Environmental Laboratory and Consulting Company

Analytical Laboratory - Environmental Consulting - Permit Application and Compliance

Certificate of Analysis

ODEQ ID # 9953

To: JENNIFER FALSETTI
FOX 25 NEWS KOKH
1228 E WILSHIRE BLVD
OKLAHOMA CITY, OK 73111

Project #:
Project Name:

Date Received: 9/1/2016
Report Date: 9/7/2016

Table with 14 columns: Lab Number, Sample Identification, Date Sampled, Analysis Date, Analyzed Time, Analyzed By, Parameter, Q, Results, Units, RL, SQL, Method, Batch. Contains 20 rows of analytical data for GUTHRIE WATER SAMPLE.

Susie Southwell

Laboratory Authorized Signature



Environmental Laboratory and Consulting Company

Analytical Laboratory - Environmental Consulting - Permit Application and Compliance

Certificate of Analysis

ODEQ ID # 9953

To: JENNIFER FALSETTI
FOX 25 NEWS KOKH
1228 E WILSHIRE BLVD
OKLAHOMA CITY, OK 73111

Project #:
Project Name:

Date Received: 9/1/2016
Report Date: 9/7/2016

Table with columns: Lab Number, Sample Identification, Date Sampled, Analysis Date, Analyzed Time, Analyzed By, Parameter, Q Results, Units, RL, SQL, Method, Batch. Contains data for Guthrie Water Samples (201605489 and 201605490).

Susie Southwell

Laboratory Authorized Signature



**Environmental Laboratory and Consulting Company**

Analytical Laboratory - Environmental Consulting - Permit Application and Compliance

**Certificate of Analysis**

**ODEQ ID # 9953**

To: JENNIFER FALSETTI  
FOX 25 NEWS KOKH  
1228 E WILSHIRE BLVD  
OKLAHOMA CITY, OK 73111

Project #:  
Project Name:

Date Received: 9/1/2016  
Report Date: 9/7/2016

Lab	Sample	Date	Analysis	Analized										
Number	Identification	Sampled	Date	Time	By	Parameter	Q	Results	Units	RL	SQL	Method	Batch	

Note:

- RL = Reporting Limit. SQL\* = Sample Quantitation Level.
- B = Analyte was detected in both the sample and associated blank.
- OL2 = Subcontracted to ODEQ Lab #7211.
- M = Matrix effect present
- \* When a sample contains a high concentration of either a target or non-target compound(s) or interference, it must be diluted. SQL = Dilution factor x MDL. Samples are disposed of 20 days after the sample is reported.
- BDL = Analyte was analyzed for but not detected above RL.
- J = Analyte was detected above the RL but below the PQL.
- Q = Surrogate recovery fell outside acceptance limits.
- U = Analyte was analyzed for but not detected above RL

*Susie Southwell*

Laboratory Authorized Signature

# Red River

## Environmental Laboratory and Consulting Company

Analytical Laboratory - Environmental Consulting - Permit Application and Compliance

### Quality Control Report

ODEQ ID #: 9953

Project Name:

Report Date: 9/7/2016

QC Batch	Method	Duplicate	MtrxSpk	SpkDup	Control		
Number	Test Group	Parameter	Blank Units	% Diff	%Recvry	%Recvry	%Accuracy
9739	PH-W	pH		1			97
9742	NO3N-W	NITRATE_N	BDL mg/l		107	95	98
9743	NO2N-W	NITRITE_N	BDL ppm	4			100
9752	COLOR-W	COLOR	0	13			93
9756	AG-W-ICP	SILVER	BDL mg/l		116	120	105
9758	CU-W-ICP	COPPER	BDL mg/l		105	104	104
9759	ZN-W-ICP	ZINC	BDL mg/l		104	105	107
9760	FE-W-ICP	IRON	BDL mg/l		99	110	100
9761	AL-W-ICP	ALUMINUM	BDL mg/l		108	110	101
9762	MN-W-ICP	MANGANESE	BDL mg/l		104	103	107
9772	MG-W-ICP	MAGNESIUM	BDL mg/l		106	106	103
9774	CA-W-ICP	CALCIUM	BDL mg/l		100	100	105
9776	S-W-ICP	SULFUR	BDL mg/l		93	94	92
9780	SO4-W	SULFATE	BDL mg/l		120	119	101
9781	FL-W	FLUORIDE	BDL mg/L				102
9787	CL-W	CHLORIDE	BDL mg/l		109	106	102
9791	TDS-W	TDS	BDL mg/l	3			102
9805	624	4BFB-SURR	107 %Rec				98
		2CLETHVINETE	BDL ug/l				113
		111TRICETHAN	BDL ug/l				83
		1122TETCETHA	BDL ug/l				87
		112TRICETHAN	BDL ug/l				86
		11DICLETHANE	BDL ug/l				82
		11DICLETHENE	BDL ug/l				88
		12DCA-SURR	86 %Rec				88
		12DCBENZENE	BDL ug/l				94
		12DICLETHANE	BDL ug/l				80
		12DICLPROPAN	BDL ug/l				82
		CIS13DCPROPE	BDL ug/l				85

*Ming Yu*

QA Personnel

M = Out of Control Due to Matrix Effect

\* = Outside of Control Limits

# Red River

## Environmental Laboratory and Consulting Company

Analytical Laboratory - Environmental Consulting - Permit Application and Compliance

### Quality Control Report

ODEQ ID #: 9953

Project Name:

Report Date: 9/7/2016

QC Batch		Method	Duplicate	MtrxSpk	SpkDup	Control
Number	Test Group	Parameter	Blank Units	% Diff	%Recvry	%Recvry %Accuracy
9805	624	14DCBENZENE	BDL ug/l			94
		ACETONE	BDL ug/l			81
		ACROLEIN	BDL ug/l			52
		ACRYLONITRIL	BDL ug/l			75
		BENZENE	BDL ug/l			87
		BRDICLMETHA	BDL ug/l			86
		BROMOFORM	BDL ug/l			86
		BROMOMETHANE	BDL ug/l			106
		CARTETCHLORI	BDL ug/l			81
		CHLOROENZE	BDL ug/l			86
		CHLOROETHANE	BDL ug/l			96
		CHLOROFORM	BDL ug/l			87
		CHLOROMETHAN	BDL ug/l			78
		13DCBENZENE	BDL ug/l			97
		DBFM-SURR	89 %Rec			92
		DBRCHLMETHAN	BDL ug/l			82
		ETHYL_BENZEN	BDL ug/l			87
		M,P_XYLENES	BDL ug/l			89
		METHYLENE_CL	BDL ug/l			117
		O_XYLENE	BDL ug/l			87
		T_12-DCETHEN	BDL ug/l			93
		T_13_DCPROPE	BDL ug/l			86
		TETCHLETHENE	BDL ug/l			92
		TOL-D8-SURR	98 %Rec			97
		TOLUENE	BDL ug/l			88
		TRICHLETHENE	BDL ug/l			92
		TRICHLFLMETA	BDL ug/l			109
		VINYL_CHLORI	BDL ug/l			92
		XYLENE_TOTAL	BDL ug/l			88

*Ming Yu*

QA Personnel

M = Out of Control Due to Matrix Effect

\* = Outside of Control Limits



# Red River

## Environmental Laboratory and Consulting Company

Analytical Laboratory - Environmental Consulting - Permit Application and Compliance

### Quality Control Report

ODEQ ID #: 9953

Project Name:

Report Date: 9/7/2016

---

QC Batch	Method	Duplicate	MtrxSpk	SpkDup	Control		
Number	Test Group	Parameter	Blank Units	% Diff	%Recvry	%Recvry	%Accuracy

---

Note:

FL-W, FLUORIDE: NOT ENOUGH SAMPLE FOR SK ANALYSIS

*Ming Yu*

QA Personnel

M = Out of Control Due to Matrix Effect

\* = Outside of Control Limits

# Red River

## Environmental Laboratory and Consulting Company

Analytical Laboratory - Environmental Consulting - Permit Application and Compliance

### INVOICE

**BILL TO:**

FOX 25 NEWS KOKH  
1228 E WILSHIRE BLVD  
OKLAHOMA CITY, OK 73111

ATTN: JENNIFER FALSETTI

**TERMS - DUE UPON RECEIPT**

FEIN: 73-1656212 DUNS: 13-312-8111

Client ID: FOX25

Invoice Number: 201605489

Project Number:

Project Name:

PO Number: PAID CC

Invoice Date: 9/7/2016

Lab Number	Date Received	Sample ID	Test Group ID	Rush Surcharge %	Test Fee	Sample Charge
201605489	9/1/2016	GUTHRIE WATER SAMPLE	TDS-W	0	\$20.00	\$20.00
		GUTHRIE WATER SAMPLE	COLOR-W	0	\$15.00	\$15.00
		GUTHRIE WATER SAMPLE	FL-W	0	\$25.00	\$25.00
		GUTHRIE WATER SAMPLE	NO3N-W	0	\$15.00	\$15.00
		GUTHRIE WATER SAMPLE	NO2N-W	0	\$20.00	\$20.00
		GUTHRIE WATER SAMPLE	PH-W	0	\$10.00	\$10.00
		GUTHRIE WATER SAMPLE	SO4-W	0	\$20.00	\$20.00
		GUTHRIE WATER SAMPLE	CL-W	0	\$20.00	\$20.00
<b>Subtotal:</b>						<b>\$145.00</b>
201605490	9/1/2016	GUTHRIE WATER SAMPLE	CA-W-ICP	0	\$15.00	\$15.00
		GUTHRIE WATER SAMPLE	ZN-W-ICP	0	\$10.00	\$10.00
		GUTHRIE WATER SAMPLE	CU-W-ICP	0	\$10.00	\$10.00
		GUTHRIE WATER SAMPLE	FE-W-ICP	0	\$10.00	\$10.00
		GUTHRIE WATER SAMPLE	MG-W-ICP	0	\$15.00	\$15.00
		GUTHRIE WATER SAMPLE	MN-W-ICP	0	\$10.00	\$10.00
		GUTHRIE WATER SAMPLE	AG-W-ICP	0	\$10.00	\$10.00
		GUTHRIE WATER SAMPLE	S-W-ICP	0	\$15.00	\$15.00
		GUTHRIE WATER SAMPLE	AL-W-ICP	0	\$10.00	\$10.00
<b>Subtotal:</b>						<b>\$105.00</b>

**Total Due**

**\$250.00**

THANK YOU

ALL OUTSTANDING INVOICES WILL BE CHARGED 1.75% MONTHLY

REMIT PAYMENTS IN U.S. DOLLARS TO RED RIVER ENVIRONMENTAL LABORATORY AND CONSULTING COMPANY

6510 S. Western Ave. Suite 207, Oklahoma City, OK 73139

Phone: 405-232-1966 or 1-800-USA-KNOW FAX: 405-235-8234 www.RedRiverELCC.com

# Red River

## Environmental Laboratory and Consulting Company

Analytical Laboratory - Environmental Consulting - Permit Application and Compliance

### Quality Control Report

ODEQ ID #: 9953

Project Name:

Report Date: 9/7/2016

QC Batch	Method	Duplicate	MtrxSpk	SpkDup	Control		
Number	Test Group	Parameter	Blank Units	% Diff	%Recvry	%Recvry	%Accuracy
9739	PH-W	pH		1			97
9742	NO3N-W	NITRATE_N	BDL mg/l		107	95	98
9743	NO2N-W	NITRITE_N	BDL ppm	4			100
9752	COLOR-W	COLOR	0	13			93
9756	AG-W-ICP	SILVER	BDL mg/l		116	120	105
9758	CU-W-ICP	COPPER	BDL mg/l		105	104	104
9759	ZN-W-ICP	ZINC	BDL mg/l		104	105	107
9760	FE-W-ICP	IRON	BDL mg/l		99	110	100
9761	AL-W-ICP	ALUMINUM	BDL mg/l		108	110	101
9762	MN-W-ICP	MANGANESE	BDL mg/l		104	103	107
9772	MG-W-ICP	MAGNESIUM	BDL mg/l		106	106	103
9774	CA-W-ICP	CALCIUM	BDL mg/l		100	100	105
9776	S-W-ICP	SULFUR	BDL mg/l		93	94	92
9780	SO4-W	SULFATE	BDL mg/l		120	119	101
9781	FL-W	FLUORIDE	BDL mg/L				102
9787	CL-W	CHLORIDE	BDL mg/l		109	106	102
9791	TDS-W	TDS	BDL mg/l	3			102

Note:

FL-W, FLUORIDE: NOT ENOUGH SAMPLE FOR SK ANALYSIS

*Ming Yu*

QA Personnel

M = Out of Control Due to Matrix Effect

\* = Outside of Control Limits

**Red River ENVIRONMENTAL LAB AND CONSULTING CO., ANY**  
6510 S Western Ave. Suite 207 (405) 232-1966 or (800) USA-KNOW  
Oklahoma City, OK 73139 Fax (405) 235-8234

E-mail: [myu@redriverelcc.com](mailto:myu@redriverelcc.com)  
Website: <http://www.redriverelcc.com>



**CHAIN-OF-CUSTODY FORM**

Client: FOX 25 NEWS KOKH	Invoice To (if Different):
Address: 1228 E WILSHIRE BLVD	
City: OKLAHOMA CITY State: OK Zip: 73111	Project Number:
Tel.: 405-475-9100 FAX#: E-mail:	Project Name:
Report To: JENNIFER FALSETTI Sampler:	Purchase Order #: <i>Paul CC</i>

Turnaround Time: Normal  Rush  Priority Rush  Fax  Custody Seal: Y N Intact: Y N

**CHANGES MUST BE FAXED NO VERBAL CHANGES**

Client Sample ID	Date/Time Sampled	Matrix	Grab/Comp	No./Type of Container					Analysis Requested					Preservation pH Acid Base	Red River Lab #		
				V	L	A	M	L	O	T	H	E	R				
Guernsey water sample	8/31 6:30pm	Water	Grab		1			5	0		2					COOL	201605489
								1							X	HNO <sub>3</sub>	90

Relinquished By: 	Date: 9/1/16	Time: 1:35pm	Received By:	Special Instructions:
Relinquished By:	Date:	Time:	Received By:	Temperature at or below 6°C when received: If No, with ice? <input checked="" type="radio"/> N <input type="radio"/> Y T = 5°C
Relinquished By:	Date: 8/31/16	Time: 1:35	Received at Laboratory By: 	

# Red River

Environmental Laboratory and Consulting Company  
Analytical Laboratories · Environmental Consulting · Permit Application and Compliance

## SAMPLE/COOLER RECEIPT FORM

1. Sample Lab Numbers # 201605489-5490 Date Received: 09/01/16
2. Were Custody Seals on Cooler? YES NO  NA
3. Were samples received on ice?  YES NO NA
4. Temperature of representative sample or temperature blank 5 Degrees C
5. Number of containers agree with number on Chain of Custody  YES NO NA
6. Did all containers arrive in good condition (Unbroken)?  YES NO NA
7. Were VOA vials received? YES  NO NA
- a. Was there any observable headspace present in any VOA vial? YES NO  NA
8. Were the correct containers used for the analysis requested?  YES NO NA
9. Was there sufficient amount of sample in each container?  YES NO NA
10. Were the samples received with sufficient time left to meet holding time requirements?  YES NO NA
11. On preserved containers, did pH strips suggest preservation reached the correct pH level?  YES NO NA
12. Did the containers indicate the correct preservations were used for the requested analysis?  YES NO NA
13. Were chain of custody forms properly filled out (ink, signed, etc.)?  YES NO NA
14. If samples were not in compliance, was project manager notified? YES NO  NA

I certify that all of the above checks were completed.

(Initial) SR

I certify the project was entered into the LIMS, and a label with the unique LIMS number was attached to each container.

(Initial) SR

The following to be completed by the person responsible for notifying client in the event of a non-conformance:

Attempted to contact on: \_\_\_\_\_ Successfully contacted: YES NO

Date & Time Second Attempt: \_\_\_\_\_ Successfully contacted: YES NO

Date & Time Third Attempt: \_\_\_\_\_ Successfully contacted: YES NO

Client wishes to: PROCEED WITH REQUESTED ANALYSIS RESUBMIT SAMPLE(S)

Comments:

---

---

---