ZALCO LABORATORIES, INC.
Analytical & Consulting Services

4309 Armour Avenue
Bakersfield, California 93308

(661) 395-0539
FAX (661) 395-3069

June 19, 2015

Gary Duncan
Duncan's Pump Service
Route 236 X10
Avenal, CA 93204

TEL: (559) 362-8251
FAX: -

Project ID:
RE: 1504156

Dear Gary Duncan:

Zalco Laboratories, Inc. received 1 samples on 4/14/2015 for the analyses presented in the following report.

We appreciate your business and look forward to serving you in the future. Please feel free to call our office if you have any questions regarding these test results.

Sincerely,

Juan Magana
Project Manager
CC:

NSS: Non Sufficient Sample H: Exceeds Analysis Hold Time TTLC: Total Threshold Limit Concentration STLC: Soluble Threshold Limit Concentration TCLP: Toxicity Characteristic Leaching Procedure MCL: Maximum Contaminant Level *: See Case Narrative
The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Note: Samples analyzed for regulatory purposes should be put on ice immediately after sampling and received by the laboratory at temperatures between 0-6°C. Microbiological analysis requires samples to be at least 4-10°C when received at the laboratory. For additional information regarding the limitations of the method(s) referred to, please call us at 661-395-0539.

ZALCO LABORATORIES, INC.
Analytical & Consulting Services

4309 Armour Avenue
Bakersfield, California 93308

(661) 395-0539
FAX (661) 395-3069

Duncan's Pump Service	Project: RWQCB Oilfield Ponds - 2Q2015	Work Order No.: **1504156**
Route 236 X10	Project #:	Reported: 06/19/2015
Avenal, CA 93204	Attention: Gary Duncan	Received: 04/14/2015 15:45

Lab Sample ID: **1504156-01** Collected By:

Client Sample ID: Orchard & Shannon Lease Consolidate Waste Water Storage Tank Upstream of Sum Date Collected: 4/14/2015 1:25:00PM

Analyte	Results	PQL		Units	Flag	Method	Date Prepared	Date Analyzed	Init.
Alkalinity									
Total Alkalinity	3700	10		mg/L		SM 2320B	4/15/15	4/15/15	SAM
Bicarbonate (HCO3)	3700	10		mg/L		SM 2320B	4/15/15	4/15/15	SAM
Carbonate (CO3)	<10	10		mg/L		SM 2320B	4/15/15	4/15/15	SAM
Hydroxide (OH)	<10	10		mg/L		SM 2320B	4/15/15	4/15/15	SAM
CAM, Toxicity (17 Metals)			*TTLC Limits*						
Antimony	<0.20	0.20	*500*	mg/L		SW846 6010B	4/17/15	4/21/15	SS
Arsenic	<0.020	0.020	*500*	mg/L		SW846 6010B	4/17/15	4/21/15	SS
Barium	3.1	0.10	*10000*	mg/L		SW846 6010B	4/17/15	4/21/15	SS
Beryllium	<0.010	0.010	*75*	mg/L		SW846 6010B	4/17/15	4/21/15	SS
Cadmium	<0.010	0.010	*100*	mg/L		SW846 6010B	4/17/15	4/21/15	SS
Chromium	<0.050	0.050	*2500*	mg/L		SW846 6010B	4/17/15	4/21/15	SS
Cobalt	<0.10	0.10	*8000*	mg/L		SW846 6010B	4/17/15	4/21/15	SS
Copper	<0.050	0.050	*2500*	mg/L		SW846 6010B	4/17/15	4/21/15	SS
Lead	<0.050	0.050	*1000*	mg/L		SW846 6010B	4/17/15	4/21/15	SS
Mercury	<0.0020	0.0020	*20*	mg/L		SW846 7470A	4/16/15	4/16/15	SS
Molybdenum	<0.10	0.10	*3500*	mg/L		SW846 6010B	4/17/15	4/21/15	SS
Nickel	0.061	0.050	*2000*	mg/L		SW846 6010B	4/17/15	4/21/15	SS
Selenium	<0.05	0.05	*100*	mg/L		SW846 6010B	4/17/15	4/21/15	SS
Silver	<0.020	0.020	*500*	mg/L		SW846 6010B	4/17/15	4/21/15	SS
Thallium	<0.50	0.50	*700*	mg/L		SW846 6010B	4/17/15	4/21/15	SS
Vanadium	<0.10	0.10	*2400*	mg/L		SW846 6010B	4/17/15	4/21/15	SS
Zinc	<0.050	0.050	*5000*	mg/L		SW846 6010B	4/17/15	4/21/15	SS
General Chemistry			*MCL Limits*						
Fluoride	<1.0	1.0	*2*	mg/L		EPA 300.0	4/15/15	4/15/15	MSS
Nitrate as NO3	<500	500	*45*	mg/L		EPA 300.0	4/15/15	4/15/15	MSS
Electrical Conductivity	13	0.010		mmhos/cm		SM 2510B	4/15/15	4/15/15	SAM
Bromide	14	1.0		mg/L		EPA 300.0	4/15/15	4/15/15	MSS
Chloride	1900	500		mg/L		EPA 300.0	4/15/15	4/15/15	MSS
pH	7.32			pH Units		EPA 150.1	4/15/15	4/15/15	SAM
Sulfate as SO4	<120	120		mg/L		EPA 300.0	4/15/15	4/15/15	MSS
Total Dissolved Solids	7800	10		mg/L		SM 2540C	4/14/15	4/14/15	SAM
Hardness									

NSS: Non Sufficient Sample H: Exceeds Analysis Hold Time TTLC: Total Threshold Limit Concentration STLC: Soluble Threshold Limit Concentration TCLP: Toxicity Characteristic Leaching Procedure MCL: Maximum Contaminant Level *: See Case Narrative
The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Note: Samples analyzed for regulatory purposes should be put on ice immediately after sampling and received by the laboratory at temperatures between 0-6°C. Microbiological analysis requires samples to be at least 4-10°C when received at the laboratory. For additional information regarding the limitations of the method(s) referred to, please call us at 661-395-0539.

ZALCO LABORATORIES, INC.
Analytical & Consulting Services

4309 Armour Avenue
Bakersfield, California 93308

(661) 395-0539
FAX (661) 395-3069

Duncan's Pump Service	Project: RWQCB Oilfield Ponds - 2Q2015	Work Order No.: **1504156**
Route 236 X10	Project #:	Reported: 06/19/2015
Avenal, CA 93204	Attention: Gary Duncan	Received: 04/14/2015 15:45

Lab Sample ID: **1504156-01** Collected By:

Client Sample ID: Orchard & Shannon Lease Consolidate Waste Water Storage Tank Upstream of Sum Date Collected: 4/14/2015 1:25:00PM

Analyte	Results	PQL	Units	Flag	Method	Date Prepared	Date Analyzed	Init.
Hardness								
Hardness (as CaCO3)	150	2.0	mg/L		SM 2340B	4/16/15	4/16/15	SS
Metals								
Lithium	1.2	0.10	mg/L		EPA 200.7	4/16/15	4/16/15	SS
Metals - As Received								
Magnesium	18	0.050	mg/L		EPA 200.7	4/16/15	4/16/15	SS
Potassium	13	0.50	mg/L		EPA 200.7	4/16/15	4/16/15	SS
Sodium	3900	70	mg/L		EPA 200.7	4/16/15	4/16/15	SS
Calcium	29	0.050	mg/L		EPA 200.7	4/16/15	4/16/15	SS
Iron	<0.10	0.10	mg/L		EPA 200.7	4/16/15	4/16/15	SS
Boron	10	0.10	mg/L		EPA 200.7	4/16/15	4/16/15	SS
Barium	2.4	0.10	mg/L		EPA 200.7	4/16/15	4/16/15	SS
Copper	<0.050	0.050	mg/L		EPA 200.7	4/16/15	4/16/15	SS
Silica (SiO2)	20	4.0	mg/L		EPA 200.7	4/16/15	4/16/15	SS
Strontium	2.6	0.10	mg/L		EPA 200.7	4/16/15	4/16/15	SS
Manganese	0.036	0.030	mg/L		EPA 200.7	4/16/15	4/16/15	SS
Oil & Grease Testing								
TRPH	33.0	5.00	mg/L		EPA 1664	4/29/15	4/29/15	BIG
Semivolatile Organic Compounds								
Indeno(1,2,3-cd)pyrene	<10.0	10.0	ug/L		SW846 8270C	4/17/15	4/20/15	JMM
Naphthalene	<10.0	10.0	ug/L		SW846 8270C	4/17/15	4/20/15	JMM
Acenaphthylene	<10.0	10.0	ug/L		SW846 8270C	4/17/15	4/20/15	JMM
Acenaphthene	<10.0	10.0	ug/L		SW846 8270C	4/17/15	4/20/15	JMM
Fluorene	<10.0	10.0	ug/L		SW846 8270C	4/17/15	4/20/15	JMM
Phenanthrene	21.5	10.0	ug/L		SW846 8270C	4/17/15	4/20/15	JMM
Anthracene	<10.0	10.0	ug/L		SW846 8270C	4/17/15	4/20/15	JMM
Fluoranthene	<10.0	10.0	ug/L		SW846 8270C	4/17/15	4/20/15	JMM
Pyrene	<10.0	10.0	ug/L		SW846 8270C	4/17/15	4/20/15	JMM
Benzo (a) anthracene	<10.0	10.0	ug/L		SW846 8270C	4/17/15	4/20/15	JMM
Chrysene	7.2	10.0	ug/L		SW846 8270C	4/17/15	4/20/15	JMM
Benzo (b) fluoranthene	<10.0	10.0	ug/L		SW846 8270C	4/17/15	4/20/15	JMM
Benzo (k) fluoranthene	<10.0	10.0	ug/L		SW846 8270C	4/17/15	4/20/15	JMM

NSS: Non Sufficient Sample H: Exceeds Analysis Hold Time TTLC: Total Threshold Limit Concentration STLC: Soluble Threshold Limit Concentration TCLP: Toxicity Characteristic Leaching Procedure MCL: Maximum Contaminant Level *: See Case Narrative

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Note: Samples analyzed for regulatory purposes should be put on ice immediately after sampling and received by the laboratory at temperatures between 0-6°C. Microbiological analysis requires samples to be at least 4-10°C when received at the laboratory. For additional information regarding the limitations of the method(s) referred to, please call us at 661-395-0539.

ZALCO LABORATORIES, INC.
Analytical & Consulting Services

4309 Armour Avenue
Bakersfield, California 93308

(661) 395-0539
FAX (661) 395-3069

Duncan's Pump Service	Project: RWQCB Oilfield Ponds - 2Q2015	Work Order No.: **1504156**
Route 236 X10	Project #:	Reported: 06/19/2015
Avenal, CA 93204	Attention: Gary Duncan	Received: 04/14/2015 15:45

Lab Sample ID: **1504156-01** Collected By:

Client Sample ID: Orchard & Shannon Lease Consolidate Waste Water Storage Tank Upstream of Sum Date Collected: 4/14/2015 1:25:00PM

Analyte	Results	PQL	Units	Flag	Method	Date Prepared	Date Analyzed	Init.
Semivolatile Organic Compounds								
Benzo (a) pyrene	<10.0	10.0	ug/L		SW846 8270C	4/17/15	4/20/15	JMM
Dibenz (a,h) anthracene	<10.0	10.0	ug/L		SW846 8270C	4/17/15	4/20/15	JMM
Benzo (g,h,i) perylene	<10.0	10.0	ug/L		SW846 8270C	4/17/15	4/20/15	JMM

Surrogates	% Recovery	Recovery Limits	Flag	
Nitrobenzene-d5	30.1	0-95		4/20/15 14:56
2-Fluorobiphenyl	32.5	0-92		4/20/15 14:56
Terphenyl-dl4	55.4	0-100		4/20/15 14:56

Subcontracted Analyses								
Gross Alpha	20.1	15.0	pCi/L		SM 7110C	4/21/15	4/22/15	JMM
Radium-226	<3.00	3.00	pCi/L		E903.1	4/17/15	5/11/15	JMM
Radium-228	<2.00	2.00	pCi/L		EPA Ra-05	4/28/15	4/30/15	JMM
Uranium (ug/L)	<20.0	20.0	pCi/L		E908	4/29/15	4/29/15	JMM
Volatile Organic Compounds								
m,p-Xylene	<5.00	5.00	ug/L		SW846 8260B	4/21/15	4/21/15	HLP
Benzene	<5.00	5.00	ug/L		SW846 8260B	4/21/15	4/21/15	HLP
Xylenes, total	0.00		ug/L		SW846 8260B	4/21/15	4/21/15	HLP
Methyl tert-Butyl Ether	<5.00	5.00	ug/L		SW846 8260B	4/21/15	4/21/15	HLP
Ethylbenzene	<5.00	5.00	ug/L		SW846 8260B	4/21/15	4/21/15	HLP
Toluene	<5.00	5.00	ug/L		SW846 8260B	4/21/15	4/21/15	HLP
o-Xylene	<5.00	5.00	ug/L		SW846 8260B	4/21/15	4/21/15	HLP

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	118	89-165		4/21/15 13:40
Toluene-d8	112	65-124		4/21/15 13:40
4-Bromofluorobenzene	109	94-114		4/21/15 13:40

NSS: Non Sufficient Sample H: Exceeds Analysis Hold Time TTLC: Total Threshold Limit Concentration STLC: Soluble Threshold Limit Concentration TCLP: Toxicity Characteristic Leaching Procedure MCL: Maximum Contaminant Level *: See Case Narrative
The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Note: Samples analyzed for regulatory purposes should be put on ice immediately after sampling and received by the laboratory at temperatures between 0-6°C. Microbiological analysis requires samples to be at least 4-10°C when received at the laboratory. For additional information regarding the limitations of the method(s) referred to, please call us at 661-395-0539.

ZALCO LABORATORIES, INC.

4309 Armour Avenue, Bakersfield, CA 93308 (661) 395-0539 FAX (661) 395-3069 www.zalcolabs.com

CHAIN OF CUSTODY, ID# 150415e

Page _____ of _____

Zalco Lab # _____

Client PO # _____

PROJECT ID: _____

QUOTE ID:

REPORT INFO	INVOICE INFO
Client: Duncan's Pumping Service	Invoice To: Same as Client ☐ CGR, LLC
Address: Star Route 2 Box 10	Address: PO Box 2858
City, State, Zip: Avenal, CA 93204	City, State, Zip: Carmel, CA 93921
Attention: Gary Duncan	Attention: RT Buddan
Phone: Results ☐ 559 362-8251	Phone: 831 277-4181
Fax: Results ☐	Fax:
Email: Results ☐ t.buddan@compassgr.com	Email: t.buddan@compassgr.com

SAMPLED BY: Hopps **EMPLOYED BY:** RECI

Sample No.*	Sample Description	Date	Sample Time	Type*	# OF CONTAINERS	ANALYSIS								TEMPERATURE (C°)
4	Orchard & Shannon Lease Consolidate Waste Water Storage Tank Upstream of Sump.	4/14	13:25	W	9	X								8.8

See Attached

COMMENTS:

Turnaround Time:

Routine _____ working days ☐

Rush By _____ working days

Send Copy to State of CA? Yes ☐ No ☐

Attention To: _____

Send Copy to County? Yes ☐ No ☐

County _____

RELINQUISHED By: Signature	PRINT	COMPANY	Date	Time	RECEIVED By: Signature	PRINT
T. Hopps	Tom Hopps	RECI	4/14/15	3:45pm	M. Stillman	M. Stillman

NOTE: Samples are discarded 30 days after results unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client's expense.

*Sample Type Key: AQ-Aqueous; BS-Biosolid; DW-Drinking Water; GW-Ground Water; G-Gas; LPG-Liquid Petroleum Gas; OL-Oil; O-Other; P-Petroleum; S-Soil/Solid; ST-Storm Water; WW-Wastewater

*Sample No.: FOR OFFICE USE ONLY