Tetra Oil Company
GeoPlus Consulting Services
1400 Easton Drive – Suite 152
Bakersfield, CA 93309
Telephone (661)327-1122
Fax (661)327-2844
twladd@AOL.com

RECEIVED
JUN 17 2015
RWQCB-CVR
FRESNO, CALIF.

June 12, 2015

Mr. Ronald Holcomb
Central Valley Regional Water Quality Control Board
1685 E. Street
Fresno, CA 93706

Re: Transmittal -
Central Pacific Resources
Technical Report - Water Quality Analysis
Ponds - Section 7, T29S, R21E
Cymric Oil Field
Kern County

Dear Mr. Holcomb:

On behalf of Central Pacific Resources, GeoPlus Consulting Services is submitting the referenced Technical Report pursuant to the Central Valley Regional Water Quality Board's (Board) Order dated April 1, 2015.

I trust that this report is satisfactory and meets the Board's requirements. We look forward to your favorable response.

Sincerely,

Thomas W. Ladd
California Professional Geologist # 3568

Cc. Central Pacific Resources
with enclosures

Enclosures:
Technical Report
Analytical results as an Excel spreadsheet on CD

RECEIVED
JUN 17 2015
RWQCB-CVR
FRESNO, CA

TECHNICAL REPORT
CALIFORNIA WATER CODE DIRECTIVE PURSUANT TO SECTION 13267 REGARDING PRODUCED WATER DISCHARGE
CENTRAL PACIFIC RESOURCES
USL AND LEHI-RICHARDSON LEASES
CYMRIC FIELD - SECTION 7, R29S, R21E, MD B&M
June 12, 2015

Central Pacific Resources (CPR) is submitting this Technical Report pursuant to Central Valley Regional Water Quality Board's (Board) Order dated April 1, 2015. CPR is the operator of oil wells located on the USL Lease and the Lehi-Richard lease in Section 7, R29S, R21E, Cymric Field, Kern County. The USL lease has 2 ponds while the Lehi-Richard lease has 3 ponds used in the process of petroleum production wastewater disposal. There are no other ponds or discharges of produced waters to land.

WATER SAMPLES: A representative water sample of the wastewater was collected from each pond. The required water quality analyses is presented in the attached Zalco Laboratories report, as well as on the enclosed CD excel file.

On April 21, 2015, water samples were collected at the point of entry of each of the five ponds. The samples were collected by Thomas W. Ladd and William E. Miller using appropriate water sampling protocol. Water sampling containers were provided by Zalco Laboratories. The wastewater samples were collected in the containers, labeled, placed in iced chests and transported to Zalco Laboratories, Inc. under chain of custody for analyses as directed in the Order.

SURFACE IMPOUNDMENTS DETAILS: The CPR produced water is a result of pumping oil and water from the subsurface Etchegoin sand(Pliocene age) oil sand formation at a depth range of 400 to 1,000 feet. The oil and water are separated and contained at the surface tank facility. Wastewater was drained once to twice a week to the ponds. As a result of retention time during tank oil/water separation, there was no visible crude oil discharged to the ponds. Prior to the Board's NOV dated March 24, 2015, this wastewater discharge operated, 12-months per year. Presently, CPR is transporting the wastewater by vac truck to a commercial disposal facility.

The locations and dimensions of each pond is presented in the following table.

TABLE
POND DETAILS

	USL Pond 1	USL Pond 2	L-R Pond 1	L-R Pond 2	L-R Pond 3
APN	098-120-39-00-2	098-120-39-00-2	098-120-52-00-9	098-120-52-00-9	098-120-52-00-9
Latitude	35.423784	35.423803	35.418856	35.418849	35.418419
Longitude	-119.765002	-119.765073	-119.754759	-119.754516	-119.754801
Length -ft	20	10	60	30	40
Width - ft	15	15	40	15	20
Depth -ft	4	4	6	5	7
2014 Discharge/year	1350	1350	5600	5600	5600

LOCATION MAPS: The following three figures depict the CPR leases and facility schematic of the ponds.

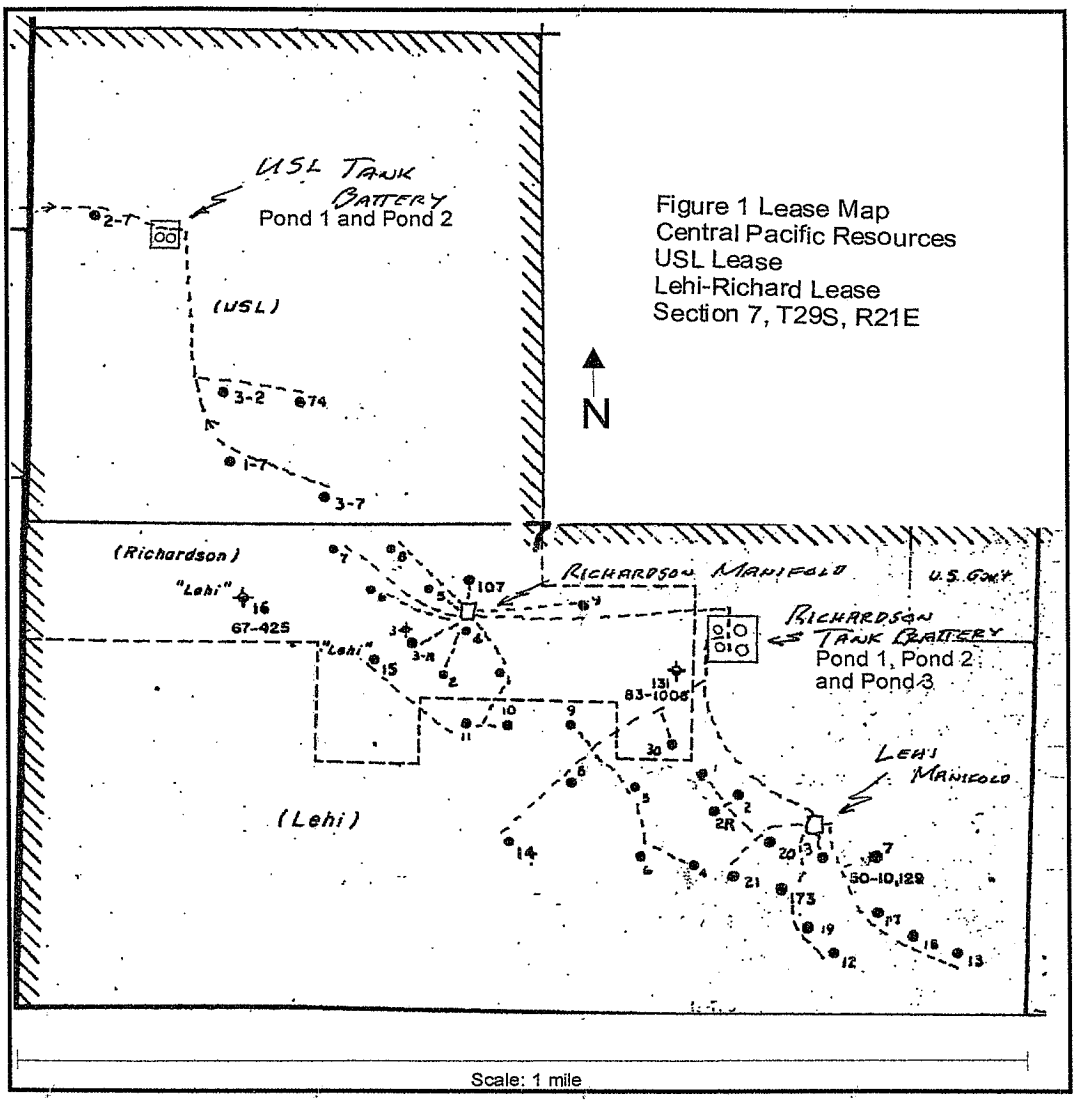
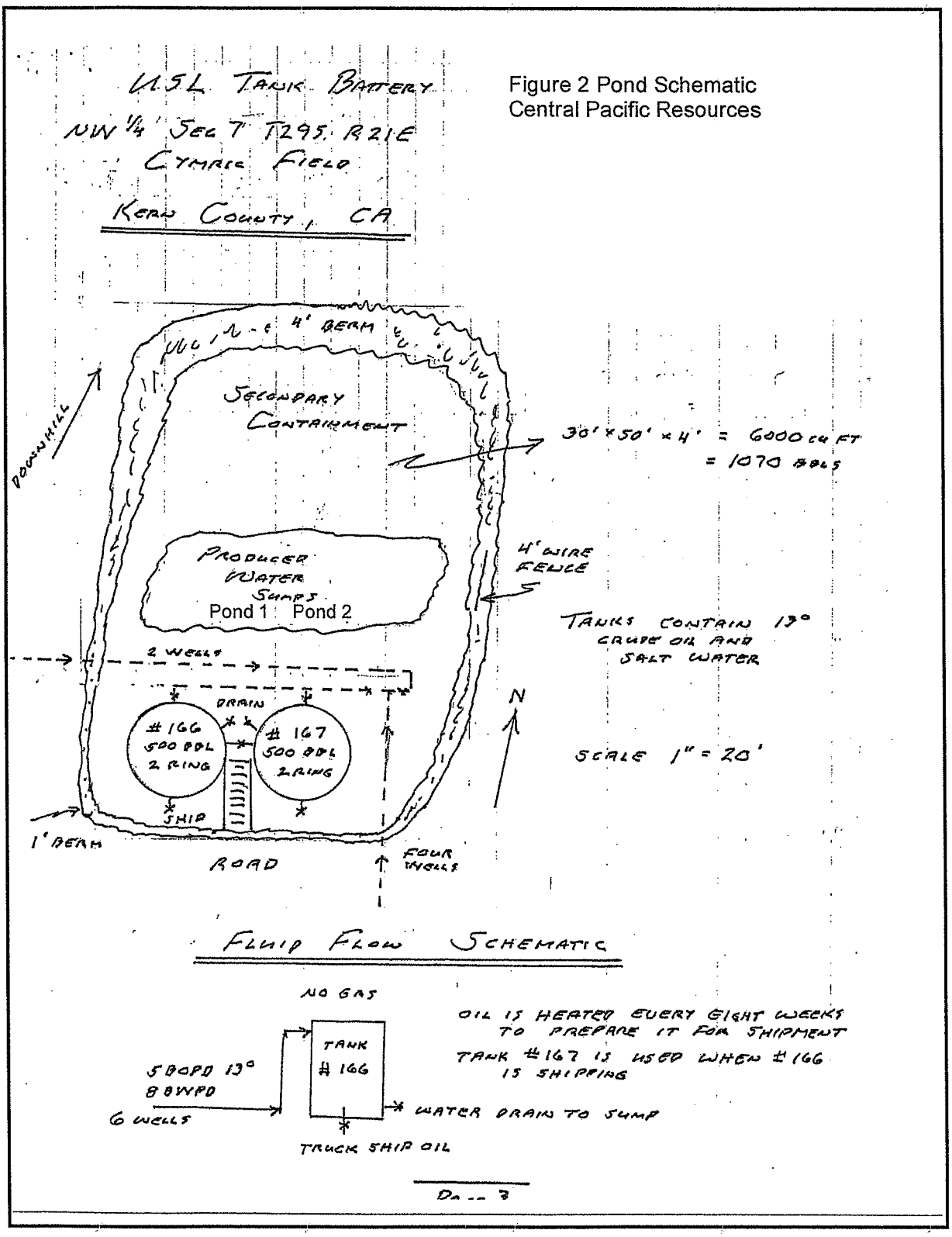


Figure 1 Lease Map
Central Pacific Resources
USL Lease
Lehi-Richard Lease
Section 7, T29S, R21E

Figure 2 Pond Schematic
Central Pacific Resources



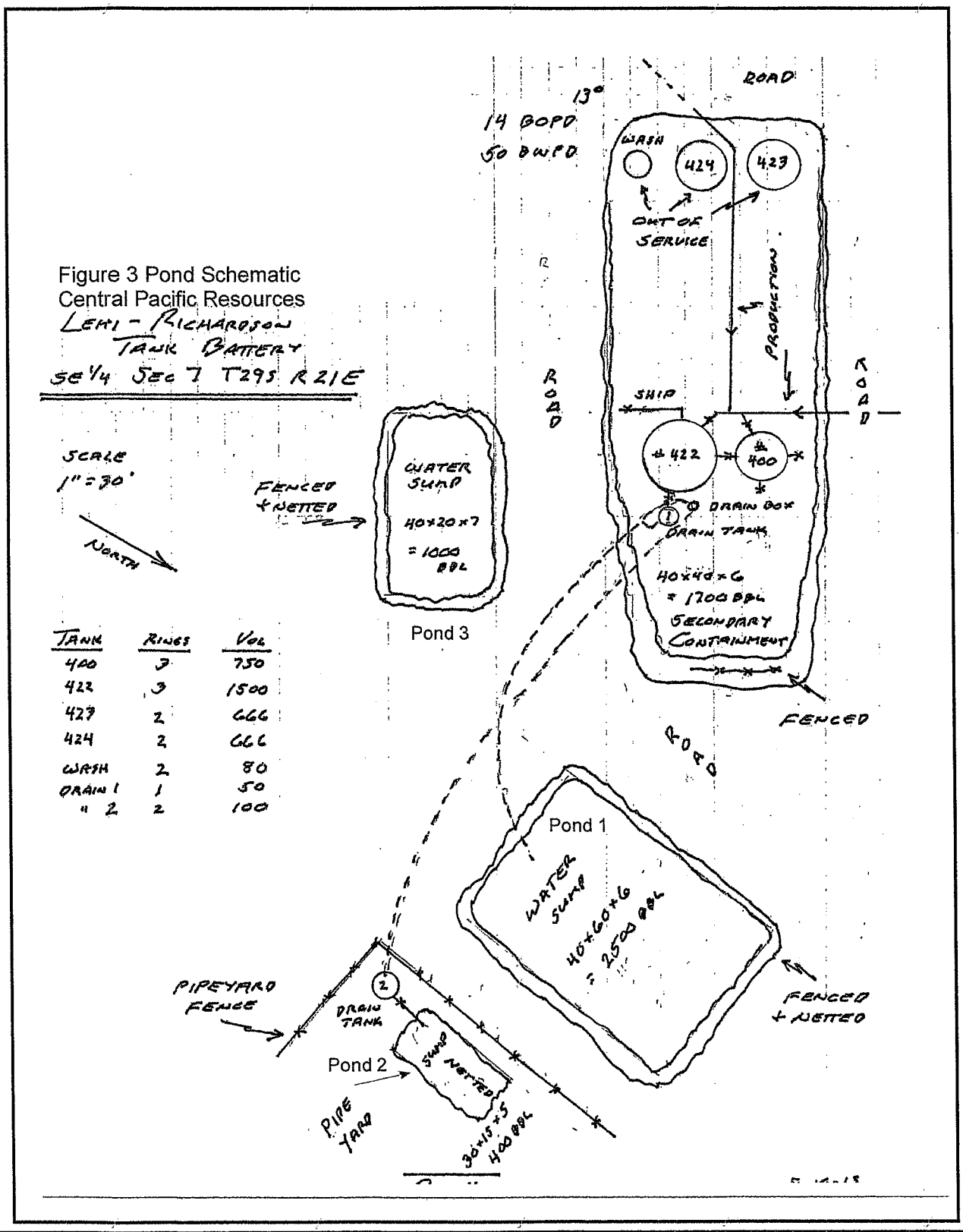


Figure 3 Pond Schematic
Central Pacific Resources
LEHI - RICHARDSON
TANK BATTERY
SE 1/4 SEC 7 T29S R21E
SCALE
1" = 30'
NORTH
13°
ROAD
14 BOPD
50 BWPD
WASH
424
423
OUT OF SERVICE
PRODUCTION
ROAD
SHIP
422
400
DRAIN BOX
DRAIN TANK
40×40×6
= 1700 BBL
SECONDARY CONTAINMENT
FENCED
ROAD
FENCED + NETTED
WATER SUMP
40×20×7
= 1000 BBL
Pond 3
TANK | RINGS | VOL
400 | 3 | 750
422 | 3 | 1500
423 | 2 | 666
424 | 2 | 666
WASH | 2 | 80
DRAIN 1 | 1 | 50
" 2 | 2 | 100
Pond 1
WATER SUMP
40×60×6
= 2500 BBL
FENCED + NETTED
PIPEYARD FENCE
DRAIN TANK
Pond 2
SUMP NETTED
PIPE YARD
30×15×5
400 BBL

ENVIRONMENTAL ASSESSMENT OF AREA OF INFLUENCE: The risk of adverse environmental impact to the area within the a ¼ mile radius area of influence by the discharge of oilfield produced wastewater into the CPR USL and Lehi-Richard ponds is remote. First, the volume of water that is discharged is (was) a modest average 7.4 barrel of water per day to the USL ponds and a modest average 46.2 barrels of water per day to the Lehi-Richard ponds. Second, there is no known source of drinking water, i.e., fresh groundwater is absent in the area. And third, the wastewater is non-hazardous.

As a result of this information and review it is concluded that the discharge of wastewater to ponds is a favorable means of wastewater disposal of non-hazardous water from the CPR's oil field operations. The risk of adverse environmental impact to the area of influence by the discharge of wastewater into the CPR ponds is remote.

Pursuant to this Technical Report, CPR plans to prepare an Application/Report of Waste Discharge, Form 200 in order to obtain a WDR for the USL and Lehi-Richard ponds.

CERTIFICATION STATEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Thomas W. Ladd
California Professional Geologist #3568

Attachment: Zalco Laboratories Report of Analyses

ZALCO LABORATORIES, INC.
Analytical & Consulting Services

4309 Armour Avenue
Bakersfield, California 93308

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

May 13, 2015

Bill Miller
Central Pacific Resources
P O Box 10538
Bakersfield, CA 93389

TEL: (661) 323-5181
FAX: (916) 381-3004

Project ID:
RE: 1504237

Dear Bill Miller:

Zalco Laboratories, Inc. received 5 samples on 4/21/2015 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

Central Pacific Resources	Project: RWQCB Oilfield Ponds - 2Q2015	Work Order No.: 1504237
P O Box 10538	Project #:	Reported: 05/13/2015
Bakersfield, CA 93389	Attention: Bill Miller	Received: 04/21/2015 16:30

Lab Sample ID: **1504237-01**
Client Sample ID: USL Lease Pond 1

Collected By: Tom Lado
Date Collected: 4/21/2015 1:00:00PM

Analyte	Results	PQL	Units	Flag	Method	Date Prepared	Date Analyzed	Init.
Hardness								
Hardness (as CaCO3)	430	2.0	mg/L		SM 2340B	4/23/15	4/23/15	SS
Metals								
Lithium	3.1	1.0	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Metals - As Received								
Magnesium	75	0.50	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Potassium	67	5.0	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Sodium	12000	350	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Calcium	50	0.50	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Iron	<1.0	1.0	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Boron	87	1.0	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Barium	5.5	1.0	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Copper	0.71	0.50	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Silica (SiO2)	72	40	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Strontium	11	1.0	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Manganese	<0.30	0.30	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Oil & Grease Testing								
TRPH	<5.32	5.32	mg/L		EPA 1664	4/30/15	4/30/15	BIG
Semivolatile Organic Compounds								
Indeno(1,2,3-cd)pyrene	<11.4	11.4	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Naphthalene	<11.4	11.4	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Acenaphthylene	<11.4	11.4	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Acenaphthene	<11.4	11.4	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Fluorene	<11.4	11.4	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Phenanthrene	<11.4	11.4	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Anthracene	<11.4	11.4	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Fluoranthene	<11.4	11.4	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Pyrene	<11.4	11.4	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Benzo (a) anthracene	<11.4	11.4	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Chrysene	<11.4	11.4	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Benzo (b) fluoranthene	<11.4	11.4	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Benzo (k) fluoranthene	<11.4	11.4	ug/L		SW846 8270C	4/27/15	4/28/15	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

Central Pacific Resources	Project: RWQCB Oilfield Ponds - 2Q2015	Work Order No.: 1504237
P O Box 10538	Project #:	Reported: 05/13/2015
Bakersfield, CA 93389	Attention: Bill Miller	Received: 04/21/2015 16:30

Lab Sample ID: **1504237-01** Collected By: Tom Lado

Client Sample ID: USL Lease Pond 1 Date Collected: 4/21/2015 1:00:00PM

Analyte	Results	PQL	Units	Flag	Method	Date Prepared	Date Analyzed	Init.
Semivolatile Organic Compounds								
Benzo (a) pyrene	<11.4	11.4	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Dibenz (a,h) anthracene	<11.4	11.4	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Benzo (g,h,i) perylene	<11.4	11.4	ug/L		SW846 8270C	4/27/15	4/28/15	JMM

Surrogates	% Recovery	Recovery Limits	Flag	
Nitrobenzene-d5	31.2	0-95		4/28/15 9:31
2-Fluorobiphenyl	34.4	0-92		4/28/15 9:31
Terphenyl-dl4	61.6	0-100		4/28/15 9:31

Subcontracted Analyses								
Gross Alpha	14.6		pCi/L		SM 7110C	4/28/15	4/29/15	JMM
Radium-226	4.45	0.470	pCi/L		E903.1	4/24/15	4/30/15	JMM
Radium-228	<0.506	0.506	pCi/L		EPA Ra-05	5/7/15	5/10/15	JMM
Uranium (ug/L)	0.00		pCi/L		E908	5/6/15	5/6/15	JMM
Volatile Organic Compounds								
m,p-Xylene	<5.00	5.00	ug/L		SW846 8260B	5/5/15	5/5/15	HLP
Benzene	<5.00	5.00	ug/L		SW846 8260B	5/5/15	5/6/15	HLP
Xylenes, total	0.00		ug/L		SW846 8260B	5/5/15	5/6/15	HLP
Methyl tert-Butyl Ether	<5.00	5.00	ug/L		SW846 8260B	5/5/15	5/6/15	HLP
Ethylbenzene	<5.00	5.00	ug/L		SW846 8260B	5/5/15	5/6/15	HLP
Toluene	<5.00	5.00	ug/L		SW846 8260B	5/5/15	5/6/15	HLP
o-Xylene	<5.00	5.00	ug/L		SW846 8260B	5/5/15	5/6/15	HLP

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	113	89-165		5/6/15 11:17
Toluene-d8	118	65-124		5/6/15 11:17
4-Bromofluorobenzene	96.8	94-114		5/6/15 11:17

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

Central Pacific Resources	Project: RWQCB Oilfield Ponds - 2Q2015	Work Order No.: **1504237**
P O Box 10538	Project #:	Reported: 05/13/2015
Bakersfield, CA 93389	Attention: Bill Miller	Received: 04/21/2015 16:30

Lab Sample ID: **1504237-01**	Collected By: Tom Lado
Client Sample ID: USL Lease Pond 1	Date Collected: 4/21/2015 1:00:00PM

Analyte	Results	PQL		Units	Flag	Method	Date Prepared	Date Analyzed	Init.
Alkalinity									
Total Alkalinity	3300	10		mg/L		SM 2320B	4/22/15	4/22/15	SAM
Bicarbonate (HCO3)	3300	10		mg/L		SM 2320B	4/22/15	4/22/15	SAM
Carbonate (CO3)	<10	10		mg/L		SM 2320B	4/22/15	4/22/15	SAM
Hydroxide (OH)	<10	10		mg/L		SM 2320B	4/22/15	4/22/15	SAM
CAM, Toxicity (17 Metals)			*TTLC Limits*						
Antimony	<0.20	0.20	*500*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Arsenic	<0.020	0.020	*500*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Barium	6.4	0.10	*10000*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Beryllium	0.013	0.010	*75*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Cadmium	<0.010	0.010	*100*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Chromium	0.061	0.050	*2500*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Cobalt	<0.10	0.10	*8000*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Copper	0.078	0.050	*2500*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Lead	0.053	0.050	*1000*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Mercury	<0.0020	0.0020	*20*	mg/L		SW846 7470A	4/23/15	4/23/15	SS
Molybdenum	<0.10	0.10	*3500*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Nickel	0.058	0.050	*2000*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Selenium	<0.05	0.05	*100*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Silver	<0.020	0.020	*500*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Thallium	<0.50	0.50	*700*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Vanadium	<0.10	0.10	*2400*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Zinc	0.064	0.050	*5000*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
General Chemistry			*MCL Limits*						
Fluoride	<1.0	1.0	*2*	mg/L		EPA 300.0	4/22/15	4/22/15	MSS
Nitrate as NO3	<20.0	20.0	*45*	mg/L		EPA 300.0	4/22/15	4/22/15	MSS
Electrical Conductivity	39	0.010		mmhos/cm		SM 2510B	4/22/15	4/22/15	SAM
Bromide	78	1.0		mg/L		EPA 300.0	4/22/15	4/22/15	MSS
Chloride	13000	1000		mg/L		EPA 300.0	4/22/15	4/22/15	MSS
pH	7.70			pH Units		EPA 150.1	4/22/15	4/22/15	SAM
Sulfate as SO4	75	5.0		mg/L		EPA 300.0	4/22/15	4/22/15	MSS
Total Dissolved Solids	24000	10		mg/L		SM 2540C	4/22/15	4/22/15	MSS
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

Central Pacific Resources	Project: RWQCB Oilfield Ponds - 2Q2015	Work Order No.: 1504237
P O Box 10538	Project #:	Reported: 05/13/2015
Bakersfield, CA 93389	Attention: Bill Miller	Received: 04/21/2015 16:30

Lab Sample ID: **1504237-02**	Collected By: Tom Lado
Client Sample ID: USL Lease Pond 2	Date Collected: 4/21/2015 1:30:00PM

Analyte	Results	PQL		Units	Flag	Method	Date Prepared	Date Analyzed	Init.
Alkalinity									
Total Alkalinity	3300	10		mg/L		SM 2320B	4/22/15	4/22/15	SAM
Bicarbonate (HCO3)	3300	10		mg/L		SM 2320B	4/22/15	4/22/15	SAM
Carbonate (CO3)	<10	10		mg/L		SM 2320B	4/22/15	4/22/15	SAM
Hydroxide (OH)	<10	10		mg/L		SM 2320B	4/22/15	4/22/15	SAM
CAM, Toxicity (17 Metals)			*TTLC Limits*						
Antimony	<0.20	0.20	*500*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Arsenic	0.036	0.020	*500*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Barium	6.6	0.10	*10000*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Beryllium	0.013	0.010	*75*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Cadmium	<0.010	0.010	*100*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Chromium	0.060	0.050	*2500*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Cobalt	<0.10	0.10	*8000*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Copper	0.075	0.050	*2500*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Lead	0.057	0.050	*1000*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Mercury	<0.0020	0.0020	*20*	mg/L		SW846 7470A	4/23/15	4/23/15	SS
Molybdenum	<0.10	0.10	*3500*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Nickel	0.058	0.050	*2000*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Selenium	<0.05	0.05	*100*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Silver	<0.020	0.020	*500*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Thallium	<0.50	0.50	*700*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Vanadium	<0.10	0.10	*2400*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Zinc	0.060	0.050	*5000*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
General Chemistry			*MCL Limits*						
Fluoride	<1.0	1.0	*2*	mg/L		EPA 300.0	4/22/15	4/22/15	MSS
Nitrate as NO3	<20.0	20.0	*45*	mg/L		EPA 300.0	4/22/15	4/22/15	MSS
Electrical Conductivity	39	0.010		mmhos/cm		SM 2510B	4/22/15	4/22/15	SAM
Bromide	58	50		mg/L		EPA 300.0	4/22/15	4/22/15	MSS
Chloride	11000	1000		mg/L		EPA 300.0	4/22/15	4/22/15	MSS
pH	7.66			pH Units		EPA 150.1	4/22/15	4/22/15	SAM
Sulfate as SO4	<250	250		mg/L		EPA 300.0	4/22/15	4/22/15	MSS
Total Dissolved Solids	23000	10		mg/L		SM 2540C	4/22/15	4/22/15	MSS
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

Central Pacific Resources	Project: RWQCB Oilfield Ponds - 2Q2015	Work Order No.: **1504237**
P O Box 10538	Project #:	Reported: 05/13/2015
Bakersfield, CA 93389	Attention: Bill Miller	Received: 04/21/2015 16:30

Lab Sample ID: **1504237-02**
Client Sample ID: USL Lease Pond 2

Collected By: Tom Lado
Date Collected: 4/21/2015 1:30:00PM

Analyte	Results	PQL	Units	Flag	Method	Date Prepared	Date Analyzed	Init.
Hardness								
Hardness (as CaCO3)	460	2.0	mg/L		SM 2340B	4/23/15	4/23/15	SS
Metals								
Lithium	3.3	1.0	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Metals - As Received								
Magnesium	82	0.50	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Potassium	73	5.0	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Sodium	12000	350	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Calcium	48	0.50	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Iron	<1.0	1.0	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Boron	92	1.0	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Barium	5.8	1.0	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Copper	0.70	0.50	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Silica (SiO2)	71	40	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Strontium	11	1.0	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Manganese	<0.30	0.30	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Oil & Grease Testing								
TRPH	<5.43	5.43	mg/L		EPA 1664	4/30/15	4/30/15	BIG
Semivolatile Organic Compounds								
Indeno(1,2,3-cd)pyrene	<10.0	10.0	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Naphthalene	<10.0	10.0	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Acenaphthylene	<10.0	10.0	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Acenaphthene	<10.0	10.0	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Fluorene	<10.0	10.0	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Phenanthrene	<10.0	10.0	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Anthracene	<10.0	10.0	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Fluoranthene	<10.0	10.0	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Pyrene	<10.0	10.0	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Benzo (a) anthracene	<10.0	10.0	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Chrysene	<10.0	10.0	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Benzo (b) fluoranthene	<10.0	10.0	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Benzo (k) fluoranthene	<10.0	10.0	ug/L		SW846 8270C	4/27/15	4/28/15	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

Central Pacific Resources	Project: RWQCB Oilfield Ponds - 2Q2015	Work Order No.: 1504237
P O Box 10538	Project #:	Reported: 05/13/2015
Bakersfield, CA 93389	Attention: Bill Miller	Received: 04/21/2015 16:30

Lab Sample ID: **1504237-02**	Collected By: Tom Lado
Client Sample ID: USL Lease Pond 2	Date Collected: 4/21/2015 1:30:00PM

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	4/27/15	4/28/15	JMM
Dibenz (a,h) anthracene	<10.0	10.0	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Benzo (g,h,i) perylene	<10.0	10.0	ug/L		SW846 8270C	4/27/15	4/28/15	JMM

Surrogates	% Recovery	Recovery Limits	Flag	
Nitrobenzene-d5	36.2	0-95		4/28/15 9:31
2-Fluorobiphenyl	39.2	0-92		4/28/15 9:31
Terphenyl-d14	40.6	0-100		4/28/15 9:31

Subcontracted Analyses								
Gross Alpha	11.9		pCi/L		SM 7110C	4/28/15	4/29/15	JMM
Radium-226	5.02	0.470	pCi/L		E903.1	4/24/15	4/30/15	JMM
Radium-228	<0.506	0.506	pCi/L		EPA Ra-05	5/7/15	5/10/15	JMM
Uranium (ug/L)	0.114		pCi/L		E908	5/6/15	5/6/15	JMM
Volatile Organic Compounds								
m,p-Xylene	<5.00	5.00	ug/L		SW846 8260B	5/5/15	5/6/15	HLP
Benzene	<5.00	5.00	ug/L		SW846 8260B	5/5/15	5/6/15	HLP
Xylenes, total	0.00		ug/L		SW846 8260B	5/5/15	5/6/15	HLP
Methyl tert-Butyl Ether	<5.00	5.00	ug/L		SW846 8260B	5/5/15	5/6/15	HLP
Ethylbenzene	<5.00	5.00	ug/L		SW846 8260B	5/5/15	5/6/15	HLP
Toluene	<5.00	5.00	ug/L		SW846 8260B	5/5/15	5/6/15	HLP
o-Xylene	<5.00	5.00	ug/L		SW846 8260B	5/5/15	5/6/15	HLP

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	104	89-165		5/6/15 11:17
Toluene-d8	103	65-124		5/6/15 11:17
4-Bromofluorobenzene	109	94-114		5/6/15 11:17

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

Central Pacific Resources	Project: RWQCB Oilfield Ponds - 2Q2015	Work Order No.: 1504237
P O Box 10538	Project #:	Reported: 05/13/2015
Bakersfield, CA 93389	Attention: Bill Miller	Received: 04/21/2015 16:30

Lab Sample ID: **1504237-03** Collected By: Tom Lado

Client Sample ID: LEHI Lease Pond 1 Date Collected: 4/21/2015 12:00:00PM

Analyte	Results	PQL		Units	Flag	Method	Date Prepared	Date Analyzed	Init.
Alkalinity									
Total Alkalinity	3100	10		mg/L		SM 2320B	4/22/15	4/22/15	SAM
Bicarbonate (HCO3)	3100	10		mg/L		SM 2320B	4/22/15	4/22/15	SAM
Carbonate (CO3)	<10	10		mg/L		SM 2320B	4/22/15	4/22/15	SAM
Hydroxide (OH)	<10	10		mg/L		SM 2320B	4/22/15	4/22/15	SAM
CAM, Toxicity (17 Metals)			*TTLC Limits*						
Antimony	<0.20	0.20	*500*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Arsenic	0.043	0.020	*500*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Barium	9.4	0.10	*10000*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Beryllium	0.013	0.010	*75*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Cadmium	0.010	0.010	*100*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Chromium	0.061	0.050	*2500*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Cobalt	<0.10	0.10	*8000*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Copper	0.073	0.050	*2500*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Lead	0.055	0.050	*1000*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Mercury	<0.0020	0.0020	*20*	mg/L		SW846 7470A	4/23/15	4/23/15	SS
Molybdenum	<0.10	0.10	*3500*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Nickel	0.064	0.050	*2000*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Selenium	<0.05	0.05	*100*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Silver	<0.020	0.020	*500*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Thallium	<0.50	0.50	*700*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Vanadium	<0.10	0.10	*2400*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Zinc	0.059	0.050	*5000*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
General Chemistry			*MCL Limits*						
Fluoride	<1.0	1.0	*2*	mg/L		EPA 300.0	4/22/15	4/22/15	MSS
Nitrate as NO3	<20.0	20.0	*45*	mg/L		EPA 300.0	4/22/15	4/22/15	MSS
Electrical Conductivity	36	0.010		mmhos/cm		SM 2510B	4/22/15	4/22/15	SAM
Bromide	<50	50		mg/L		EPA 300.0	4/22/15	4/22/15	MSS
Chloride	10000	1000		mg/L		EPA 300.0	4/22/15	4/22/15	MSS
pH	7.50			pH Units		EPA 150.1	4/22/15	4/22/15	SAM
Sulfate as SO4	<5.0	5.0		mg/L		EPA 300.0	4/22/15	4/22/15	MSS
Total Dissolved Solids	22000	10		mg/L		SM 2540C	4/22/15	4/22/15	MSS
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

Central Pacific Resources	Project: RWQCB Oilfield Ponds - 2Q2015	Work Order No.: **1504237**
P O Box 10538	Project #:	Reported: 05/13/2015
Bakersfield, CA 93389	Attention: Bill Miller	Received: 04/21/2015 16:30

Lab Sample ID: **1504237-03** Collected By: Tom Lado

Client Sample ID: LEHI Lease Pond 1 Date Collected: 4/21/2015 12:00:00PM

Analyte	Results	PQL	Units	Flag	Method	Date Prepared	Date Analyzed	Init.
Hardness								
Hardness (as CaCO3)	550	2.0	mg/L		SM 2340B	4/23/15	4/23/15	SS
Metals								
Lithium	3.3	1.0	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Metals - As Received								
Magnesium	98	0.50	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Potassium	90	5.0	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Sodium	8900	350	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Calcium	58	0.50	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Iron	<1.0	1.0	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Boron	89	1.0	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Barium	8.3	1.0	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Copper	0.70	0.50	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Silica (SiO2)	77	40	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Strontium	14	1.0	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Manganese	<0.30	0.30	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Oil & Grease Testing								
TRPH	<5.00	5.00	mg/L		EPA 1664	4/30/15	4/30/15	BIG
Semivolatile Organic Compounds								
Indeno(1,2,3-cd)pyrene	<10.0	10.0	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Naphthalene	<10.0	10.0	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Acenaphthylene	<10.0	10.0	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Acenaphthene	<10.0	10.0	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Fluorene	<10.0	10.0	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Phenanthrene	<10.0	10.0	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Anthracene	<10.0	10.0	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Fluoranthene	<10.0	10.0	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Pyrene	<10.0	10.0	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Benzo (a) anthracene	<10.0	10.0	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Chrysene	<10.0	10.0	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Benzo (b) fluoranthene	<10.0	10.0	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Benzo (k) fluoranthene	<10.0	10.0	ug/L		SW846 8270C	4/27/15	4/28/15	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

Central Pacific Resources	Project: RWQCB Oilfield Ponds - 2Q2015	Work Order No.: 1504237
P O Box 10538	Project #:	Reported: 05/13/2015
Bakersfield, CA 93389	Attention: Bill Miller	Received: 04/21/2015 16:30

Lab Sample ID: 1504237-03	Collected By: Tom Lado
Client Sample ID: LEHI Lease Pond 1	Date Collected: 4/21/2015 12:00:00PM

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	4/27/15	4/28/15	JMM
Dibenz (a,h) anthracene	<10.0	10.0	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Benzo (g,h,i) perylene	<10.0	10.0	ug/L		SW846 8270C	4/27/15	4/28/15	JMM

Surrogates	% Recovery	Recovery Limits	Flag	
Nitrobenzene-d5	31.4	0-95		4/28/15 9:31
2-Fluorobiphenyl	31.4	0-92		4/28/15 9:31
Terphenyl-dl4	33.5	0-100		4/28/15 9:31

Subcontracted Analyses								
Gross Alpha	34.8		pCi/L		SM 7110C	4/28/15	4/29/15	JMM
Radium-226	4.81	0.470	pCi/L		E903.1	4/24/15	4/30/15	JMM
Radium-228	<0.506	0.506	pCi/L		EPA Ra-05	5/7/15	5/10/15	JMM
Uranium (ug/L)	0.228		pCi/L		E908	5/6/15	5/6/15	JMM
Volatile Organic Compounds								
m,p-Xylene	<5.00	5.00	ug/L		SW846 8260B	5/5/15	5/6/15	HLP
Benzene	<5.00	5.00	ug/L		SW846 8260B	5/5/15	5/6/15	HLP
Xylenes, total	0.00		ug/L		SW846 8260B	5/5/15	5/6/15	HLP
Methyl tert-Butyl Ether	<5.00	5.00	ug/L		SW846 8260B	5/5/15	5/6/15	HLP
Ethylbenzene	<5.00	5.00	ug/L		SW846 8260B	5/5/15	5/6/15	HLP
Toluene	<5.00	5.00	ug/L		SW846 8260B	5/5/15	5/6/15	HLP
o-Xylene	<5.00	5.00	ug/L		SW846 8260B	5/5/15	5/6/15	HLP

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	109	89-165		5/6/15 11:17
Toluene-d8	104	65-124		5/6/15 11:17
4-Bromofluorobenzene	94.9	94-114		5/6/15 11:17

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

Central Pacific Resources	Project: RWQCB Oilfield Ponds - 2Q2015	Work Order No.: **1504237**
P O Box 10538	Project #:	Reported: 05/13/2015
Bakersfield, CA 93389	Attention: Bill Miller	Received: 04/21/2015 16:30

Lab Sample ID: **1504237-04** Collected By: Tom Lado

Client Sample ID: LEHI Lease Pond 2 Date Collected: 4/21/2015 11:30:00AM

Analyte	Results	PQL		Units	Flag	Method	Date Prepared	Date Analyzed	Init.
Alkalinity									
Total Alkalinity	3100	10		mg/L		SM 2320B	4/22/15	4/22/15	SAM
Bicarbonate (HCO3)	3100	10		mg/L		SM 2320B	4/22/15	4/22/15	SAM
Carbonate (CO3)	<10	10		mg/L		SM 2320B	4/22/15	4/22/15	SAM
Hydroxide (OH)	<10	10		mg/L		SM 2320B	4/22/15	4/22/15	SAM
CAM, Toxicity (17 Metals)			*TTLC Limits*						
Antimony	<0.20	0.20	*500*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Arsenic	<0.020	0.020	*500*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Barium	9.4	0.10	*10000*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Beryllium	0.012	0.010	*75*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Cadmium	<0.010	0.010	*100*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Chromium	0.060	0.050	*2500*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Cobalt	<0.10	0.10	*8000*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Copper	0.075	0.050	*2500*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Lead	0.054	0.050	*1000*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Mercury	<0.0020	0.0020	*20*	mg/L		SW846 7470A	4/23/15	4/23/15	SS
Molybdenum	<0.10	0.10	*3500*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Nickel	0.065	0.050	*2000*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Selenium	<0.05	0.05	*100*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Silver	<0.020	0.020	*500*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Thallium	<0.50	0.50	*700*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Vanadium	<0.10	0.10	*2400*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Zinc	0.059	0.050	*5000*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
General Chemistry			*MCL Limits*						
Fluoride	<1.0	1.0	*2*	mg/L		EPA 300.0	4/22/15	4/22/15	MSS
Nitrate as NO3	<1000	1000	*45*	mg/L		EPA 300.0	4/22/15	4/22/15	MSS
Electrical Conductivity	36	0.010		mmhos/cm		SM 2510B	4/22/15	4/22/15	SAM
Bromide	56	50		mg/L		EPA 300.0	4/22/15	4/22/15	MSS
Chloride	12000	1000		mg/L		EPA 300.0	4/22/15	4/22/15	MSS
pH	7.51			pH Units		EPA 150.1	4/22/15	4/22/15	SAM
Sulfate as SO4	<250	250		mg/L		EPA 300.0	4/22/15	4/22/15	MSS
Total Dissolved Solids	22000	10		mg/L		SM 2540C	4/22/15	4/22/15	MSS
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

Central Pacific Resources	Project: RWQCB Oilfield Ponds - 2Q2015	Work Order No.: 1504237
P O Box 10538	Project #:	Reported: 05/13/2015
Bakersfield, CA 93389	Attention: Bill Miller	Received: 04/21/2015 16:30

Lab Sample ID: 1504237-04	Collected By: Tom Lado
Client Sample ID: LEHI Lease Pond 2	Date Collected: 4/21/2015 11:30:00AM

Analyte	Results	PQL	Units	Flag	Method	Date Prepared	Date Analyzed	Init.
Hardness								
Hardness (as CaCO3)	580	2.0	mg/L		SM 2340B	4/23/15	4/23/15	SS
Metals								
Lithium	3.3	1.0	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Metals - As Received								
Magnesium	98	0.50	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Potassium	91	5.0	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Sodium	9300	350	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Calcium	71	0.50	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Iron	<1.0	1.0	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Boron	88	1.0	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Barium	9.3	1.0	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Copper	0.70	0.50	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Silica (SiO2)	77	40	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Strontium	15	1.0	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Manganese	<0.30	0.30	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Oil & Grease Testing								
TRPH	<5.49	5.49	mg/L		EPA 1664	4/30/15	4/30/15	BIG
Semivolatile Organic Compounds								
Indeno(1,2,3-cd)pyrene	<11.1	11.1	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Naphthalene	<11.1	11.1	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Acenaphthylene	<11.1	11.1	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Acenaphthene	<11.1	11.1	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Fluorene	<11.1	11.1	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Phenanthrene	<11.1	11.1	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Anthracene	<11.1	11.1	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Fluoranthene	<11.1	11.1	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Pyrene	<11.1	11.1	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Benzo (a) anthracene	<11.1	11.1	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Chrysene	<11.1	11.1	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Benzo (b) fluoranthene	<11.1	11.1	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Benzo (k) fluoranthene	<11.1	11.1	ug/L		SW846 8270C	4/27/15	4/28/15	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

Central Pacific Resources	Project: RWQCB Oilfield Ponds - 2Q2015	Work Order No.: 1504237
P O Box 10538	Project #:	Reported: 05/13/2015
Bakersfield, CA 93389	Attention: Bill Miller	Received: 04/21/2015 16:30

Lab Sample ID: **1504237-04** Collected By: Tom Lado

Client Sample ID: LEHI Lease Pond 2 Date Collected: 4/21/2015 11:30:00AM

Analyte	Results	PQL	Units	Flag	Method	Date Prepared	Date Analyzed	Init.
Semivolatile Organic Compounds								
Benzo (a) pyrene	<11.1	11.1	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Dibenz (a,h) anthracene	<11.1	11.1	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Benzo (g,h,i) perylene	<11.1	11.1	ug/L		SW846 8270C	4/27/15	4/28/15	JMM

Surrogates	% Recovery	Recovery Limits	Flag	
Nitrobenzene-d5	44.0	0-95		4/28/15 9:31
2-Fluorobiphenyl	46.8	0-92		4/28/15 9:31
Terphenyl-dl4	57.7	0-100		4/28/15 9:31

Subcontracted Analyses								
Gross Alpha	19.9		pCi/L		SM 7110C	4/28/15	4/29/15	JMM
Radium-226	16.8	0.470	pCi/L		E903.1	4/24/15	4/30/15	JMM
Radium-228	<0.506	0.506	pCi/L		EPA Ra-05	5/7/15	5/10/15	JMM
Uranium (ug/L)	0.00		pCi/L		E908	5/6/15	5/6/15	JMM
Volatile Organic Compounds								
m,p-Xylene	<5.00	5.00	ug/L		SW846 8260B	5/5/15	5/6/15	HLP
Benzene	<5.00	5.00	ug/L		SW846 8260B	5/5/15	5/6/15	HLP
Xylenes, total	0.00		ug/L		SW846 8260B	5/5/15	5/6/15	HLP
Methyl tert-Butyl Ether	<5.00	5.00	ug/L		SW846 8260B	5/5/15	5/6/15	HLP
Ethylbenzene	<5.00	5.00	ug/L		SW846 8260B	5/5/15	5/6/15	HLP
Toluene	<5.00	5.00	ug/L		SW846 8260B	5/5/15	5/6/15	HLP
o-Xylene	<5.00	5.00	ug/L		SW846 8260B	5/5/15	5/6/15	HLP

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	119	89-165		5/6/15 11:17
Toluene-d8	114	65-124		5/6/15 11:17
4-Bromofluorobenzene	**93.7***	94-114	S-GC	5/6/15 11:17

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

Central Pacific Resources	Project: RWQCB Oilfield Ponds - 2Q2015	Work Order No.: **1504237**
P O Box 10538	Project #:	Reported: 05/13/2015
Bakersfield, CA 93389	Attention: Bill Miller	Received: 04/21/2015 16:30

Lab Sample ID: **1504237-05**	Collected By: Tom Lado
Client Sample ID: LEHI Lease Pond 3	Date Collected: 4/21/2015 12:30:00PM

Analyte	Results	PQL		Units	Flag	Method	Date Prepared	Date Analyzed	Init.
Alkalinity									
Total Alkalinity	3100	10		mg/L		SM 2320B	4/22/15	4/22/15	SAM
Bicarbonate (HCO3)	3100	10		mg/L		SM 2320B	4/22/15	4/22/15	SAM
Carbonate (CO3)	<10	10		mg/L		SM 2320B	4/22/15	4/22/15	SAM
Hydroxide (OH)	<10	10		mg/L		SM 2320B	4/22/15	4/22/15	SAM
CAM, Toxicity (17 Metals)			*TTLC Limits*						
Antimony	<0.20	0.20	*500*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Arsenic	0.050	0.020	*500*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Barium	9.4	0.10	*10000*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Beryllium	0.013	0.010	*75*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Cadmium	<0.010	0.010	*100*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Chromium	0.060	0.050	*2500*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Cobalt	<0.10	0.10	*8000*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Copper	0.074	0.050	*2500*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Lead	<0.050	0.050	*1000*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Mercury	<0.0020	0.0020	*20*	mg/L		SW846 7470A	4/23/15	4/23/15	SS
Molybdenum	<0.10	0.10	*3500*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Nickel	0.066	0.050	*2000*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Selenium	<0.05	0.05	*100*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Silver	<0.020	0.020	*500*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Thallium	<0.50	0.50	*700*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Vanadium	<0.10	0.10	*2400*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
Zinc	0.054	0.050	*5000*	mg/L		SW846 6010B	4/22/15	4/23/15	SS
General Chemistry			*MCL Limits*						
Fluoride	<1.0	1.0	*2*	mg/L		EPA 300.0	4/22/15	4/22/15	MSS
Nitrate as NO3	<20.0	20.0	*45*	mg/L		EPA 300.0	4/22/15	4/22/15	MSS
Electrical Conductivity	36	0.010		mmhos/cm		SM 2510B	4/22/15	4/22/15	SAM
Bromide	52	50		mg/L		EPA 300.0	4/22/15	4/22/15	MSS
Chloride	12000	1000		mg/L		EPA 300.0	4/22/15	4/22/15	MSS
pH	7.48			pH Units		EPA 150.1	4/22/15	4/22/15	SAM
Sulfate as SO4	<5.0	5.0		mg/L		EPA 300.0	4/22/15	4/22/15	MSS
Total Dissolved Solids	22000	10		mg/L		SM 2540C	4/22/15	4/22/15	MSS
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

Central Pacific Resources	Project: RWQCB Oilfield Ponds - 2Q2015	Work Order No.: **1504237**
P O Box 10538	Project #:	Reported: 05/13/2015
Bakersfield, CA 93389	Attention: Bill Miller	Received: 04/21/2015 16:30

Lab Sample ID: **1504237-05**	Collected By: Tom Lado
Client Sample ID: LEHI Lease Pond 3	Date Collected: 4/21/2015 12:30:00PM

Analyte	Results	PQL	Units	Flag	Method	Date Prepared	Date Analyzed	Init.
Hardness								
Hardness (as CaCO3)	560	2.0	mg/L		SM 2340B	4/23/15	4/23/15	SS
Metals								
Lithium	3.2	1.0	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Metals - As Received								
Magnesium	98	0.50	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Potassium	89	5.0	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Sodium	8200	350	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Calcium	66	0.50	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Iron	<1.0	1.0	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Boron	88	1.0	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Barium	9.2	1.0	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Copper	0.70	0.50	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Silica (SiO2)	78	40	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Strontium	15	1.0	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Manganese	<0.30	0.30	mg/L		EPA 200.7	4/23/15	4/23/15	SS
Oil & Grease Testing								
TRPH	<5.26	5.26	mg/L		EPA 1664	4/30/15	4/30/15	BIG
Semivolatile Organic Compounds								
Indeno(1,2,3-cd)pyrene	<11.1	11.1	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Naphthalene	<11.1	11.1	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Acenaphthylene	<11.1	11.1	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Acenaphthene	<11.1	11.1	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Fluorene	<11.1	11.1	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Phenanthrene	<11.1	11.1	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Anthracene	<11.1	11.1	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Fluoranthene	<11.1	11.1	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Pyrene	<11.1	11.1	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Benzo (a) anthracene	<11.1	11.1	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Chrysene	<11.1	11.1	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Benzo (b) fluoranthene	<11.1	11.1	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Benzo (k) fluoranthene	<11.1	11.1	ug/L		SW846 8270C	4/27/15	4/28/15	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

Central Pacific Resources	Project: RWQCB Oilfield Ponds - 2Q2015	Work Order No.: 1504237
P O Box 10538	Project #:	Reported: 05/13/2015
Bakersfield, CA 93389	Attention: Bill Miller	Received: 04/21/2015 16:30

Lab Sample ID: 1504237-05	Collected By: Tom Lado
Client Sample ID: LEHI Lease Pond 3	Date Collected: 4/21/2015 12:30:00PM

Analyte	Results	PQL	Units	Flag	Method	Date Prepared	Date Analyzed	Init.
Semivolatile Organic Compounds								
Benzo (a) pyrene	<11.1	11.1	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Dibenz (a,h) anthracene	<11.1	11.1	ug/L		SW846 8270C	4/27/15	4/28/15	JMM
Benzo (g,h,i) perylene	<11.1	11.1	ug/L		SW846 8270C	4/27/15	4/28/15	JMM

Surrogates	% Recovery	Recovery Limits	Flag		
Nitrobenzene-d5	29.1	0-95		4/28/15 9:31	
2-Fluorobiphenyl	29.8	0-92		4/28/15 9:31	
Terphenyl-dl4	34.4	0-100		4/28/15 9:31	

Subcontracted Analyses								
Gross Alpha	25.4		pCi/L		SM 7110C	4/28/15	4/29/15	JMM
Radium-226	18.1	0.470	pCi/L		E903.1	4/24/15	4/30/15	JMM
Radium-228	<0.506	0.506	pCi/L		EPA Ra-05	5/7/15	5/10/15	JMM
Uranium (ug/L)	0.114		pCi/L		E908	5/6/15	5/6/15	JMM
Volatile Organic Compounds								
m,p-Xylene	<5.00	5.00	ug/L		SW846 8260B	5/5/15	5/6/15	HLP
Benzene	<5.00	5.00	ug/L		SW846 8260B	5/5/15	5/6/15	HLP
Xylenes, total	0.00		ug/L		SW846 8260B	5/5/15	5/6/15	HLP
Methyl tert-Butyl Ether	<5.00	5.00	ug/L		SW846 8260B	5/5/15	5/6/15	HLP
Ethylbenzene	<5.00	5.00	ug/L		SW846 8260B	5/5/15	5/6/15	HLP
Toluene	<5.00	5.00	ug/L		SW846 8260B	5/5/15	5/6/15	HLP
o-Xylene	<5.00	5.00	ug/L		SW846 8260B	5/5/15	5/6/15	HLP

Surrogates	% Recovery	Recovery Limits	Flag		
1,2-Dichloroethane-d4	112	89-165		5/6/15 11:17	
Toluene-d8	101	65-124		5/6/15 11:17	
4-Bromofluorobenzene	96.8	94-114		5/6/15 11:17	

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# 1504237

Page 1 of 1
Zalco Lab # 1504237
Client PO #
PROJECT ID:
QUOTE ID:

REPORT INFO	INVOICE INFO
Client: Central Pacific Resources	Invoice To: Same as Client ☒
Address: P.O. Box 10538	Address:
City, State, Zip: Bakersfield CA 93309	City, State, Zip:
Attention: Bill Miller	Attention:
Phone: Results ☐	Phone:
Fax: Results ☐	Fax:
Email: Results ☒ TWLADD@AOL.com	Email:

SAMPLED BY: · EMPLOYED BY:

ANALYSIS: See Attached

COMMENTS:
Turnaround Time:
Routine X working days ☐
Rush By _____ working days
Send Copy to State of CA? Yes ☐ No ☐
Attention To:
Send Copy to County? Yes ☐ No ☐
County

Sample No.*	Sample Description	Date	Sample Time	Type*	# OF CONTAINERS									TEMPERATURE (C°)	
1	USL Lease Pond 1	4/21/15	1300	WW	10	X								1.6°C	Sample Date & Times taken from Containers
2	" " Pond 2	11	~~1130~~ 1330	WW	10	X									
3	Lehi " Pond 1	11	1200	WW	10	X									Logged In ☒ Subbed ☒ Printed ☐ Sequent ☐ Short Hold Time ☐
4	" " Pond 2	11	1130	WW	10	X									
5	" " Pond 3	11	1230	WW	10	X									

RELINQUISHED By: Signature	PRINT	COMPANY	Date	Time	RECEIVED By: Signature	PRINT
[signature]	Tom Ladd	GeoPlus	4/21	4:30	[signature]	F Johnson

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

1504237

ATTACHMENT B

Water Quality Analysis

Wastewater samples collected from the ponds shall be analyzed by a laboratory certified by the Environmental Laboratory Accreditation Program using currently applicable United States Environmental Protection Agency-approved analytical methods for water for the following:

A. Total dissolved solids;

B. Metals listed in California Code of Regulations, title 22, section 66261.24. subdivision (a)(2)(A);

C. Benzene, toluene, ethylbenzene, and xylenes;

D. Total petroleum hydrocarbons as crude oil;

E. Polynuclear aromatic hydrocarbons (including acenaphthene, acenaphthylene, anthracene, benzo[a]anthracene, benzo[b]fluoranthene, benzo[a]pyrene, benzo[g,h,i]perylene, chrysene, dibenzo[a,h]anthracene, fluoranthene, fluorine, indeno[1,2,3-cd]pyrene, naphthalene, phenanthrene, and pyrene);

F. Radionuclides listed under California Code of Regulations, title 22, Table 64442;

G. Major and minor cations (including sodium, potassium, magnesium, and calcium);

H. Major and minor anions (including nitrate, chloride, sulfate, carbonate, bicarbonate, and bromide);

I. Trace elements (including lithium, strontium, boron, iron, and manganese).

Reporting Requirements

Water Quality information shall be submitted in a technical report that includes at a minimum:

A. Site plan(s) with the location(s) of where the samples were collected;

B. A description of how the samples, representative of the pond contents, were collected;

Table(s) of analytical results organized by pond number with the data also submitted electronically as an Excel spreadsheet.