

ZALCO LABORATORIES, INC.

Analytical & Consulting Services

4309 Armour Avenue
Bakersfield, California 93308

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

June 19, 2015

RT Budden
Compass Global Resources
P. O. Box 2858
Carmel, CA 93921

TEL: (831) 277-4181
FAX: (831) 659-4458

Project ID:
RE: 1504159

Dear RT Budden:

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,

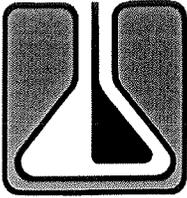
A handwritten signature in black ink, appearing to read "Juan Magana". The signature is written in a cursive, flowing style.

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

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Project: RWQCB Oilfield Ponds - 2Q2015
Project #:
Attention: RT Budden

Work Order No.: 1504159
Reported: 06/19/2015
Received: 04/14/2015 15:52

Lab Sample ID: 1504159-01

Collected By: Hopps

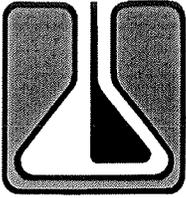
Client Sample ID: SB Lease Water Leg Wash Upstream Of Sump

Date Collected: 4/14/2015 12:20:00PM

Analyte	Results	PQL	Units	Flag	Method	Date Prepared	Date Analyzed	Init.
Alkalinity								
Total Alkalinity	2900	10	mg/L		SM 2320B	4/15/15	4/15/15	SAM
Bicarbonate (HCO ₃)	2900	10	mg/L		SM 2320B	4/15/15	4/15/15	SAM
Carbonate (CO ₃)	<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)								
			<i>TTLC Limits</i>					
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	9.1	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	0.056	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								
			<i>MCL Limits</i>					
Fluoride	<1.0	1.0	2	mg/L	EPA 300.0	4/15/15	4/16/15	MSS
Nitrate as NO ₃	<500	500	45	mg/L	EPA 300.0	4/15/15	4/16/15	MSS
Electrical Conductivity	17	0.010		mmhos/cm	SM 2510B	4/15/15	4/15/15	SAM
Bromide	29	1.0		mg/L	EPA 300.0	4/15/15	4/15/15	MSS
Chloride	4500	500		mg/L	EPA 300.0	4/15/15	4/16/15	MSS
pH	7.67			pH Units	EPA 150.1	4/15/15	4/15/15	SAM
Sulfate as SO ₄	<5.0	5.0		mg/L	EPA 300.0	4/15/15	4/16/15	MSS
Total Dissolved Solids	10000	10		mg/L	SM 2540C	4/17/15	4/17/15	SAM
Hardness								

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Project #:
Attention: RT Budden

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Reported: 06/19/2015
Received: 04/14/2015 15:52

Lab Sample ID: 1504159-01

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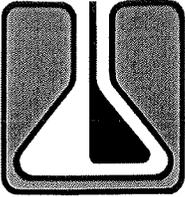
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Date Collected: 4/14/2015 12:20:00PM

Analyte	Results	PQL	Units	Flag	Method	Date Prepared	Date Analyzed	Init.
Hardness								
Hardness (as CaCO3)	120	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	19	0.050	mg/L		EPA 200.7	4/16/15	4/16/15	SS
Potassium	16	0.50	mg/L		EPA 200.7	4/16/15	4/16/15	SS
Sodium	5300	70	mg/L		EPA 200.7	4/16/15	4/16/15	SS
Calcium	15	0.050	mg/L		EPA 200.7	4/16/15	4/16/15	SS
Iron	0.15	0.10	mg/L		EPA 200.7	4/16/15	4/16/15	SS
Boron	13	0.10	mg/L		EPA 200.7	4/16/15	4/16/15	SS
Barium	8.0	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)	14	4.0	mg/L		EPA 200.7	4/16/15	4/16/15	SS
Strontium	6.2	0.10	mg/L		EPA 200.7	4/16/15	4/16/15	SS
Manganese	<0.030	0.030	mg/L		EPA 200.7	4/16/15	4/16/15	SS
Oil & Grease Testing								
TRPH	18.0	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	<10.0	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	6.8	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	7.7	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

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Client Sample ID: SB Lease Water Leg Wash Upstream Of Sump	Date Collected: 4/14/2015 12:20:00PM

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	Date Analyzed	Time
Nitrobenzene-d5	22.8	0-95		4/20/15	14:56
2-Fluorobiphenyl	25.5	0-92		4/20/15	14:56
Terphenyl-d14	108*	0-100	S-GC	4/20/15	14:56

Subcontracted Analyses

Analyte	Results	PQL	Units	Method	Date Prepared	Date Analyzed	Init.
Gross Alpha	59.6		pCi/L	SM 7110C	4/21/15	4/22/15	JMM
Radium-226	0.752	0.470	pCi/L	E903.1	4/17/15	5/11/15	JMM
Radium-228	<0.506	0.506	pCi/L	EPA Ra-05	4/28/15	4/30/15	JMM
Uranium (ug/L)	0.00		pCi/L	E908	4/29/15	4/29/15	JMM

Volatile Organic Compounds

Analyte	Results	PQL	Units	Method	Date Prepared	Date Analyzed	Init.
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	6.73		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	6.73	5.00	ug/L	SW846 8260B	4/21/15	4/21/15	HLP

Surrogates	% Recovery	Recovery Limits	Flag	Date Analyzed	Time
1,2-Dichloroethane-d4	104	89-165		4/21/15	13:40
Toluene-d8	116	65-124		4/21/15	13:40
4-Bromofluorobenzene	105	94-114		4/21/15	13:40

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