

ZALCO LABORATORIES, INC.

Analytical & Consulting Services

4309 Armour Avenue  
Bakersfield, California 93308

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

---

May 26, 2015

Bob Ferguson  
Bob Ferguson Independent  
30448 Rancho Viejo Road Suite 172  
San Juan Capistrano, CA 92675

TEL: (949) 481-7002  
FAX: (949) 458-1496

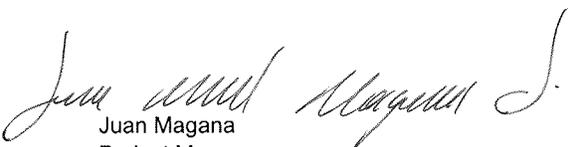
Project ID:  
RE: 1505002

Dear Bob Ferguson:

Zalco Laboratories, Inc. received 2 samples on 5/1/2015 for the analyses presented in the following report.

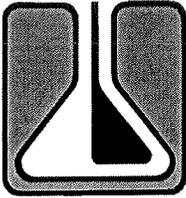
We appreciate your business and look forward to serving you in the future. Please feel free to call our office if you have any questions regarding these test results.

Sincerely,

  
Juan Magana  
Project Manager  
CC:jonpe@sbcglobal.net

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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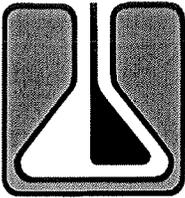
Bob Ferguson Independent 30448 Rancho Viejo Road Suite 172 San Juan Capistrano, CA 92675	Project: Master Project #: Attention: Bob Ferguson	Work Order No.: 1505002 Reported: 05/26/2015 Received: 05/01/2015 10:45
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Lab Sample ID: 1505002-01 Client Sample ID: Inlet to Sump 2	Collected By: Jon Crawford Date Collected: 4/30/2015 2:30:00PM
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Analyte	Results	PQL	Units	Flag	Method	Date Prepared	Date Analyzed	Init.
<b>Alkalinity</b>								
Total Alkalinity	2700	10	mg/L		SM 2320B	5/1/15	5/1/15	SAM
Bicarbonate (HCO3)	2700	10	mg/L		SM 2320B	5/1/15	5/1/15	SAM
Carbonate (CO3)	<10	10	mg/L		SM 2320B	5/1/15	5/1/15	SAM
Hydroxide (OH)	<10	10	mg/L		SM 2320B	5/1/15	5/1/15	SAM
<b>CAM, Toxicity (17 Metals)</b>								
			<i>TTL Limits</i>					
Antimony	<2.0	2.0	500	mg/L	SW846 6010B	5/4/15	5/5/15	SS
Arsenic	<0.20	0.20	500	mg/L	SW846 6010B	5/4/15	5/5/15	SS
Barium	3.7	1.0	10000	mg/L	SW846 6010B	5/4/15	5/5/15	SS
Beryllium	<0.10	0.10	75	mg/L	SW846 6010B	5/4/15	5/5/15	SS
Cadmium	<0.10	0.10	100	mg/L	SW846 6010B	5/4/15	5/5/15	SS
Chromium	<0.50	0.50	2500	mg/L	SW846 6010B	5/4/15	5/5/15	SS
Cobalt	<1.0	1.0	8000	mg/L	SW846 6010B	5/4/15	5/5/15	SS
Copper	<0.50	0.50	2500	mg/L	SW846 6010B	5/4/15	5/5/15	SS
Lead	<0.50	0.50	1000	mg/L	SW846 6010B	5/4/15	5/5/15	SS
Mercury	<0.0020	0.0020	20	mg/L	SW846 7470A	5/5/15	5/5/15	SS
Molybdenum	<1.0	1.0	3500	mg/L	SW846 6010B	5/4/15	5/5/15	SS
Nickel	<0.50	0.50	2000	mg/L	SW846 6010B	5/4/15	5/5/15	SS
Selenium	<0.50	0.50	100	mg/L	SW846 6010B	5/4/15	5/5/15	SS
Silver	<0.20	0.20	500	mg/L	SW846 6010B	5/4/15	5/5/15	SS
Thallium	<5.0	5.0	700	mg/L	SW846 6010B	5/4/15	5/5/15	SS
Vanadium	<1.0	1.0	2400	mg/L	SW846 6010B	5/4/15	5/5/15	SS
Zinc	<0.50	0.50	5000	mg/L	SW846 6010B	5/4/15	5/5/15	SS
<b>General Chemistry</b>								
			<i>MCL Limits</i>					
Fluoride	<1.0	1.0	2	mg/L	EPA 300.0	5/1/15	5/1/15	MSS
Nitrate as NO3	<2000	2000	45	mg/L	EPA 300.0	5/1/15	5/1/15	MSS
Electrical Conductivity	48	0.010		mmhos/cm	SM 2510B	5/1/15	5/1/15	SAM
Bromide	110	1.0		mg/L	EPA 300.0	5/1/15	5/1/15	MSS
Chloride	16000	2000		mg/L	EPA 300.0	5/1/15	5/1/15	MSS
pH	7.57			pH Units	EPA 150.1	5/1/15	5/1/15	SAM
Sulfate as SO4	100	5.0		mg/L	EPA 300.0	5/1/15	5/1/15	MSS
Total Dissolved Solids	30000	10		mg/L	SM 2540C	5/4/15	5/4/15	MSS
<b>Hardness</b>								

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Bob Ferguson Independent  
30448 Rancho Viejo Road Suite 172  
San Juan Capistrano, CA 92675

Project: Master  
Project #:  
Attention: Bob Ferguson

Work Order No.: 1505002  
Reported: 05/26/2015  
Received: 05/01/2015 10:45

Lab Sample ID: 1505002-01

Collected By: Jon Crawford

Client Sample ID: Inlet to Sump 2

Date Collected: 4/30/2015 2:30:00PM

Analyte	Results	PQL	Units	Flag	Method	Date Prepared	Date Analyzed	Init.
<b>Hardness</b>								
Hardness (as CaCO3)	170	2.0	mg/L		SM 2340B	5/4/15	5/4/15	SS
<b>Metals</b>								
Lithium	3.1	1.0	mg/L		EPA 200.7	5/4/15	5/4/15	SS
<b>Metals - As Received</b>								
Magnesium	27	0.50	mg/L		EPA 200.7	5/4/15	5/4/15	SS
Potassium	71	5.0	mg/L		EPA 200.7	5/4/15	5/4/15	SS
Sodium	9400	350	mg/L		EPA 200.7	5/4/15	5/4/15	SS
Calcium	23	0.50	mg/L		EPA 200.7	5/4/15	5/4/15	SS
Iron	<1.0	1.0	mg/L		EPA 200.7	5/4/15	5/4/15	SS
Boron	110	1.0	mg/L		EPA 200.7	5/4/15	5/4/15	SS
Barium	2.6	1.0	mg/L		EPA 200.7	5/4/15	5/4/15	SS
Copper	0.53	0.50	mg/L		EPA 200.7	5/4/15	5/4/15	SS
Silica (SiO2)	48	40	mg/L		EPA 200.7	5/4/15	5/4/15	SS
Strontium	12	1.0	mg/L		EPA 200.7	5/4/15	5/4/15	SS
Manganese	<0.30	0.30	mg/L		EPA 200.7	5/4/15	5/4/15	SS
<b>Petroleum Hydrocarbons</b>								
Diesel Range Hydrocarbons	6.68	0.25	mg/L		SW846 8015B	5/4/15	5/12/15	JMM
Gasoline Range Hydrocarbons	1.73	0.250	mg/L		SW846 8015B	5/13/15	5/13/15	HLP
Motor Oil Range Hydrocarbons	5.06	0.75	mg/L		SW846 8015B	5/4/15	5/12/15	JMM

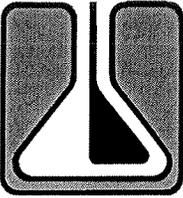
Surrogates	% Recovery	Recovery Limits	Flag
a,a,a-Trifluorotoluene	115	69-125	5/13/15 12:51

### Semivolatile Organic Compounds

Indeno(1,2,3-cd)pyrene	<10.0	10.0	ug/L	SW846 8270C	5/7/15	5/7/15	JMM
Naphthalene	32.0	10.0	ug/L	SW846 8270C	5/7/15	5/7/15	JMM
Acenaphthylene	<10.0	10.0	ug/L	SW846 8270C	5/7/15	5/7/15	JMM
Acenaphthene	<10.0	10.0	ug/L	SW846 8270C	5/7/15	5/7/15	JMM
Fluorene	<10.0	10.0	ug/L	SW846 8270C	5/7/15	5/7/15	JMM
Phenanthrene	<10.0	10.0	ug/L	SW846 8270C	5/7/15	5/7/15	JMM
Anthracene	<10.0	10.0	ug/L	SW846 8270C	5/7/15	5/7/15	JMM

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Bob Ferguson Independent 30448 Rancho Viejo Road Suite 172 San Juan Capistrano, CA 92675	Project: Master Project #: Attention: Bob Ferguson	Work Order No.: <b>1505002</b> Reported: 05/26/2015 Received: 05/01/2015 10:45
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Lab Sample ID: <b>1505002-01</b>	Collected By: Jon Crawford
Client Sample ID: Inlet to Sump 2	Date Collected: 4/30/2015 2:30:00PM

Analyte	Results	PQL	Units	Flag	Method	Date Prepared	Date Analyzed	Init.
<b>Semivolatile Organic Compounds</b>								
Fluoranthene	<10.0	10.0	ug/L		SW846 8270C	5/7/15	5/7/15	JMM
Pyrene	<10.0	10.0	ug/L		SW846 8270C	5/7/15	5/7/15	JMM
Benzo (a) anthracene	<10.0	10.0	ug/L		SW846 8270C	5/7/15	5/7/15	JMM
Chrysene	<10.0	10.0	ug/L		SW846 8270C	5/7/15	5/7/15	JMM
Benzo (b) fluoranthene	<10.0	10.0	ug/L		SW846 8270C	5/7/15	5/7/15	JMM
Benzo (k) fluoranthene	<10.0	10.0	ug/L		SW846 8270C	5/7/15	5/7/15	JMM
Benzo (a) pyrene	<10.0	10.0	ug/L		SW846 8270C	5/7/15	5/7/15	JMM
Dibenz (a,h) anthracene	<10.0	10.0	ug/L		SW846 8270C	5/7/15	5/7/15	JMM
Benzo (g,h,i) perylene	<10.0	10.0	ug/L		SW846 8270C	5/7/15	5/7/15	JMM

Surrogates	% Recovery	Recovery Limits	Flag
Nitrobenzene-d5	63.8	0-95	5/7/15 11:20
2-Fluorobiphenyl	58.6	0-92	5/7/15 11:20
Terphenyl-d14	60.9	0-100	5/7/15 11:20

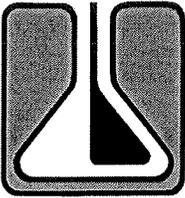
### Subcontracted Analyses

Analyte	Results	PQL	Units	Method	Date Prepared	Date Analyzed	Init.
Gross Alpha	<15.0	15.0	pCi/L	SM 7110C	5/7/15	5/8/15	JMM
Radium-226	5.24	3.00	pCi/L	E903.1	5/6/15	5/8/15	JMM
Radium-228	<2.00	2.00	pCi/L	EPA Ra-05	5/15/15	5/18/15	JMM
Uranium (ug/L)	<20.0	20.0	pCi/L	E908	5/19/15	5/19/15	JMM

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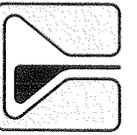
Bob Ferguson Independent 30448 Rancho Viejo Road Suite 172 San Juan Capistrano, CA 92675	Project: Master Project #: Attention: Bob Ferguson	Work Order No.: 1505002 Reported: 05/26/2015 Received: 05/01/2015 10:45
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Lab Sample ID: 1505002-02 Client Sample ID: Inlet to Sump 2	Collected By: Date Collected: 5/15/2015 12:00:00AM
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Analyte	Results	PQL	Units	Flag	Method	Date Prepared	Date Analyzed	Init.
<b>Petroleum Hydrocarbons</b>								
Gasoline Range Hydrocarbons	5.48	1.25	mg/L		SW846 8015B	5/15/15	5/15/15	HLP
Surrogates		% Recovery	Recovery Limits	Flag				
a,a,a-Trifluorotoluene		101	69-125				5/15/15 10:35	

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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**ZALCO LABORATORIES, INC.** CHAIN OF CUSTODY, ID# 10056002  
 4309 Armour Avenue, Bakersfield, CA 93308 (661) 395-0539 FAX (661) 395-3069 www.zalcolabs.com

Page \_\_\_\_\_ of \_\_\_\_\_

Zalco Lab # \_\_\_\_\_

Client PO # \_\_\_\_\_

**REPORT INFO**

**INVOICE INFO**

**ANALYSIS**

PROJECT ID: \_\_\_\_\_

QUOTE ID: \_\_\_\_\_

**COMMENTS:**

Turnaround Time: \_\_\_\_\_

Routine 10 working days

Rush By \_\_\_\_\_ working days

Send Copy to State of CA? Yes  No

Attention To: \_\_\_\_\_

Send Copy to County? Yes  No

County \_\_\_\_\_

CC: jonpe@stocgl.com

323-2733

C.O.D.

General Subbed Printed

Scanned Short Hold Time

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Client: R.B. Ferguson

Address: 30418 Ranch View

City, State, Zip: Sylmar, CA

Attention: Bob Ferguson

Phone: 661-323-2733

Fax: \_\_\_\_\_

Results

Email: \_\_\_\_\_

EMPLOYED BY: R.B. Ferguson

SAMPLED BY: Bob Ferguson

Invoice To: Same as Client

Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Attention: \_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

Results

Email: \_\_\_\_\_

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.

RELINQUISHED BY: Signature

PRINT

COMPANY

Date Time

RECEIVED BY: Signature

PRINT

*Bob Ferguson*

4/5/11 10:45

*[Signature]*

K Springman

CONTRACT AIRNERS

See attached

TEMPERATURE (C)