

ZALCO LABORATORIES, INC.

Analytical & Consulting Services

4309 Armour Avenue
Bakersfield, California 93308

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

September 2, 2015

Walt Berry
O'Brien Sill
1508 18th Street, Suite 320
Bakersfield, CA 93301

TEL: 661-323-1142
FAX: -

Project ID:
RE: 1506073

Dear Walt Berry:

Zalco Laboratories, Inc. received 1 samples on 6/4/2015 for the analyses presented in the following report.

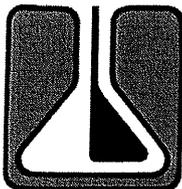
We appreciate your business and look forward to serving you in the future. Please feel free to call our office if you have any questions regarding these test results.

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.



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O'Brien Sill 1508 18th Street, Suite 320 Bakersfield, CA 93301	Project: Master Project #: Attention: Walt Berry	Work Order No.: 1506073 Reported: 09/02/2015 Received: 06/04/2015 13:45
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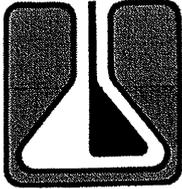
Lab Sample ID: 1506073-01	Collected By: Justin Graves
Client Sample ID: Sump #2	Date Collected: 6/4/2015 11:05:00AM

Analyte	Results	PQL	Units	Flag	Method	Date Prepared	Date Analyzed	Init.
Alkalinity								
Total Alkalinity	1800	10	mg/L		SM 2320B	6/4/15	6/4/15	SAM
Bicarbonate (HCO3)	1800	10	mg/L		SM 2320B	6/4/15	6/4/15	SAM
Carbonate (CO3)	<10	10	mg/L		SM 2320B	6/4/15	6/4/15	SAM
Hydroxide (OH)	<10	10	mg/L		SM 2320B	6/4/15	6/4/15	SAM
CAM, Toxicity (17 Metals)								
			<i>TTLC Limits</i>					
Antimony	<2.0	2.0	500	mg/L	SW846 6010B	6/5/15	6/8/15	SS
Arsenic	<0.20	0.20	500	mg/L	SW846 6010B	6/5/15	6/8/15	SS
Barium	7.4	1.0	10000	mg/L	SW846 6010B	6/5/15	6/8/15	SS
Beryllium	<0.10	0.10	75	mg/L	SW846 6010B	6/5/15	6/8/15	SS
Cadmium	<0.10	0.10	100	mg/L	SW846 6010B	6/5/15	6/8/15	SS
Chromium	<0.50	0.50	2500	mg/L	SW846 6010B	6/5/15	6/8/15	SS
Cobalt	<1.0	1.0	8000	mg/L	SW846 6010B	6/5/15	6/8/15	SS
Copper	<0.50	0.50	2500	mg/L	SW846 6010B	6/5/15	6/8/15	SS
Lead	<0.50	0.50	1000	mg/L	SW846 6010B	6/5/15	6/8/15	SS
Mercury	<0.0020	0.0020	20	mg/L	SW846 7470A	6/8/15	6/8/15	SS
Molybdenum	<1.0	1.0	3500	mg/L	SW846 6010B	6/5/15	6/8/15	SS
Nickel	<0.50	0.50	2000	mg/L	SW846 6010B	6/5/15	6/8/15	SS
Selenium	<0.50	0.50	100	mg/L	SW846 6010B	6/5/15	6/8/15	SS
Silver	<0.20	0.20	500	mg/L	SW846 6010B	6/5/15	6/8/15	SS
Thallium	<5.0	5.0	700	mg/L	SW846 6010B	6/5/15	6/8/15	SS
Vanadium	<1.0	1.0	2400	mg/L	SW846 6010B	6/5/15	6/8/15	SS
Zinc	<0.50	0.50	5000	mg/L	SW846 6010B	6/5/15	6/8/15	SS
General Chemistry								
			<i>MCL Limits</i>					
Fluoride	<1.0	1.0	2	mg/L	EPA 300.0	6/4/15	6/4/15	MSS
Nitrate as NO3	<20.0	20.0	45	mg/L	EPA 300.0	6/4/15	6/4/15	MSS
Electrical Conductivity	37	0.010		mmhos/cm	SM 2510B	6/4/15	6/4/15	SAM
Bromide	75	1.0		mg/L	EPA 300.0	6/4/15	6/4/15	MSS
Chloride	12000	1000		mg/L	EPA 300.0	6/4/15	6/4/15	MSS
pH	7.63			pH Units	EPA 150.1	6/4/15	6/4/15	SAM
Sulfate as SO4	50	5.0		mg/L	EPA 300.0	6/4/15	6/4/15	MSS
Total Dissolved Solids	22000	10		mg/L	SM 2540C	6/4/15	6/4/15	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

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O'Brien Sill 1508 18th Street, Suite 320 Bakersfield, CA 93301	Project: Master Project #: Attention: Walt Berry	Work Order No.: 1506073 Reported: 09/02/2015 Received: 06/04/2015 13:45
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Lab Sample ID: 1506073-01	Collected By: Justin Graves
Client Sample ID: Sump #2	Date Collected: 6/4/2015 11:05:00AM

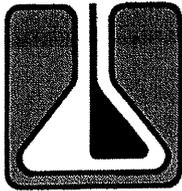
Analyte	Results	PQL	Units	Flag	Method	Date Prepared	Date Analyzed	Init.
Hardness								
Hardness (as CaCO3)	1700	2.0	mg/L		SM 2340B	6/8/15	6/8/15	SS
Metals - As Received								
Lithium	7.5	1.0	mg/L		EPA 200.7	6/8/15	6/10/15	SS
Magnesium	360	0.50	mg/L		EPA 200.7	6/8/15	6/8/15	SS
Potassium	170	5.0	mg/L		EPA 200.7	6/8/15	6/8/15	SS
Sodium	6600	350	mg/L		EPA 200.7	6/8/15	6/8/15	SS
Calcium	75	0.50	mg/L		EPA 200.7	6/8/15	6/8/15	SS
Iron	<1.0	1.0	mg/L		EPA 200.7	6/8/15	6/8/15	SS
Boron	77	1.0	mg/L		EPA 200.7	6/8/15	6/8/15	SS
Barium	3.4	1.0	mg/L		EPA 200.7	6/8/15	6/8/15	SS
Copper	<0.50	0.50	mg/L		EPA 200.7	6/8/15	6/8/15	SS
Silica (SiO2)	69	40	mg/L		EPA 200.7	6/8/15	6/8/15	SS
Strontium	13	1.0	mg/L		EPA 200.7	6/8/15	6/8/15	SS
Manganese	<0.30	0.30	mg/L		EPA 200.7	6/8/15	6/8/15	SS
Petroleum Hydrocarbons								
Diesel Range Hydrocarbons	3.73	0.05	mg/L		SW846 8015B	6/11/15	6/12/15	BIG
Gasoline Range Hydrocarbons	<0.050	0.050	mg/L		SW846 8015B	6/9/15	6/9/15	HLP
Motor Oil Range Hydrocarbons	6.78	0.15	mg/L		SW846 8015B	6/11/15	6/12/15	BIG
Surrogates								
		% Recovery	Recovery Limits	Flag				
a,a,a-Trifluorotoluene		89.9	69-125				6/9/15 16:46	

Polynuclear Aromatic Hydrocarbons

Indeno(1,2,3-cd)pyrene	<10.0	10.0	ug/L		SW846 8270C	6/8/15	6/15/15	JMM
Naphthalene	<10.0	10.0	ug/L		SW846 8270C	6/8/15	6/15/15	JMM
Acenaphthylene	<10.0	10.0	ug/L		SW846 8270C	6/8/15	6/15/15	JMM
Acenaphthene	<10.0	10.0	ug/L		SW846 8270C	6/8/15	6/15/15	JMM
Fluorene	<10.0	10.0	ug/L		SW846 8270C	6/8/15	6/15/15	JMM
Phenanthrene	<10.0	10.0	ug/L		SW846 8270C	6/8/15	6/15/15	JMM
Anthracene	<10.0	10.0	ug/L		SW846 8270C	6/8/15	6/15/15	JMM
Fluoranthene	<10.0	10.0	ug/L		SW846 8270C	6/8/15	6/15/15	JMM
Pyrene	<10.0	10.0	ug/L		SW846 8270C	6/8/15	6/15/15	JMM

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Table with 3 columns: Client Information (O'Brien Sill, 1508 18th Street, Suite 320, Bakersfield, CA 93301), Project Information (Project: Master, Project #: , Attention: Walt Berry), and Work Order Information (Work Order No.: 1506073, Reported: 09/02/2015, Received: 06/04/2015 13:45)

Table with 2 columns: Lab Sample Information (Lab Sample ID: 1506073-01, Client Sample ID: Sump #2) and Collection Information (Collected By: Justin Graves, Date Collected: 6/4/2015 11:05:00AM)

Main analytical results table with columns: Analyte, Results, PQL, Units, Flag, Method, Date Prepared, Date Analyzed, and Init. Section: Polynuclear Aromatic Hydrocarbons. Rows include Benzo (a) anthracene, Chrysene, Benzo (b) fluoranthene, Benzo (k) fluoranthene, Benzo (a) pyrene, Dibenz (a,h) anthracene, and Benzo (g,h,i) perylene.

Table with columns: Surrogates, % Recovery, Recovery Limits, and Flag. Rows include Nitrobenzenc-d5, 2-Fluorobiphenyl, and Terphenyl-d14.

Subcontracted Analyses

Table with columns: Analyte, Results, PQL, Units, Method, Date Prepared, Date Analyzed, and Init. Rows include Gross Alpha, Radium-226, Radium-228, and Uranium (ug/L).

Volatile Organic Compounds

Table with columns: Analyte, Results, PQL, Units, Method, Date Prepared, Date Analyzed, and Init. Rows include m,p-Xylene, Benzene, Xylenes, total, Methyl tert-Butyl Ether, Ethylbenzene, Toluene, and o-Xylene.

Table with columns: Surrogates, % Recovery, Recovery Limits, and Flag. Rows include 1,2-Dichloroethane-d4, Toluene-d8, and 4-Bromofluorobenzene.

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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.

1-Time Sample Upper Drainage Basin!