ZALCO LABORATORIES, INC.
Analytical & Consulting Services

4309 Armour Avenue
Bakersfield, California 93308

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

June 25, 2015

Burton A. Ellison
Ellison, Burton A.
101 Starmount Ln.
Bakersfield, CA 93309

TEL: (661) 831-4545
FAX: -

Project ID:
RE: 1505289

Dear Burton A. Ellison:

Zalco Laboratories, Inc. received 2 samples on 5/22/2015 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
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| | | |
|---|---|---|
| Ellison, Burton A. | Project: RWQCB Oilfield Ponds - 2Q2015 | Work Order No.: **1505289** |
| 101 Starmount Ln. | Project #: | Reported: 06/25/2015 |
| Bakersfield, CA 93309 | Attention: Burton A. Ellison | Received: 05/22/2015 13:00 |

| | |
|---|---|
| Lab Sample ID: **1505289-01** | Collected By: Burton R. Ellison |
| Client Sample ID: S2 D.C. Unit Sump 2 Outfall | Date Collected: 5/21/2015 5:15:00PM |

| Analyte | Results | PQL | | Units | Flag | Method | Date Prepared | Date Analyzed | Init. |
|---|---|---|---|---|---|---|---|---|---|
| **CAM, Toxicity (17 Metals)** | | | *TTLC Limits* | | | | | | |
| Antimony | <0.20 | 0.20 | *500* | mg/L | | SW846 6010B | 5/22/15 | 5/26/15 | SS |
| Arsenic | <0.020 | 0.020 | *500* | mg/L | | SW846 6010B | 5/22/15 | 5/26/15 | SS |
| Barium | <0.10 | 0.10 | *10000* | mg/L | | SW846 6010B | 5/22/15 | 5/26/15 | SS |
| Beryllium | <0.010 | 0.010 | *75* | mg/L | | SW846 6010B | 5/22/15 | 5/26/15 | SS |
| Cadmium | <0.010 | 0.010 | *100* | mg/L | | SW846 6010B | 5/22/15 | 5/26/15 | SS |
| Chromium | <0.050 | 0.050 | *2500* | mg/L | | SW846 6010B | 5/22/15 | 5/26/15 | SS |
| Cobalt | <0.10 | 0.10 | *8000* | mg/L | | SW846 6010B | 5/22/15 | 5/26/15 | SS |
| Copper | 0.057 | 0.050 | *2500* | mg/L | | SW846 6010B | 5/22/15 | 5/26/15 | SS |
| Lead | <0.050 | 0.050 | *1000* | mg/L | | SW846 6010B | 5/22/15 | 5/26/15 | SS |
| Mercury | <0.0020 | 0.0020 | *20* | mg/L | | SW846 7470A | 5/26/15 | 5/26/15 | SS |
| Molybdenum | <0.10 | 0.10 | *3500* | mg/L | | SW846 6010B | 5/22/15 | 5/26/15 | SS |
| Nickel | 0.058 | 0.050 | *2000* | mg/L | | SW846 6010B | 5/22/15 | 5/26/15 | SS |
| Selenium | <0.05 | 0.05 | *100* | mg/L | | SW846 6010B | 5/22/15 | 5/26/15 | SS |
| Silver | <0.020 | 0.020 | *500* | mg/L | | SW846 6010B | 5/22/15 | 5/26/15 | SS |
| Thallium | <0.50 | 0.50 | *700* | mg/L | | SW846 6010B | 5/22/15 | 5/26/15 | SS |
| Vanadium | <0.10 | 0.10 | *2400* | mg/L | | SW846 6010B | 5/22/15 | 5/26/15 | SS |
| Zinc | <0.050 | 0.050 | *5000* | mg/L | | SW846 6010B | 5/22/15 | 5/26/15 | SS |
| **Metals** | | | | | | | | | |
| Boron | 0.58 | 0.10 | | mg/L | | SW846 6010B | 5/22/15 | 6/3/15 | SS |
| Iron | <0.10 | 0.10 | | mg/L | | SW846 6010B | 5/22/15 | 6/3/15 | SS |
| Lithium | <0.10 | 0.10 | | mg/L | | SW846 6010B | 5/22/15 | 6/3/15 | SS |
| Manganese | 0.043 | 0.030 | | mg/L | | SW846 6010B | 5/22/15 | 6/3/15 | SS |
| Strontium | <0.10 | 0.10 | | mg/L | | SW846 6010B | 5/22/15 | 6/3/15 | SS |
| **Petroleum Hydrocarbons** | | | | | | | | | |
| Diesel Range Hydrocarbons | <0.05 | 0.05 | | mg/L | | SW846 8015B | 6/5/15 | 6/18/15 | BIG |
| Gasoline Range Hydrocarbons | <0.050 | 0.050 | | mg/L | | SW846 8015B | 6/4/15 | 6/4/15 | HLP |
| Motor Oil Range Hydrocarbons | <0.15 | 0.15 | | mg/L | | SW846 8015B | 6/5/15 | 6/18/15 | BIG |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| a,a,a-Trifluorotoluene | 81.7 | 69-125 | | 6/4/15 8:26 |

**Subcontracted Analyses**

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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| Bakersfield, CA 93309 | Attention: Burton A. Ellison | Received: 05/22/2015 13:00 |

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| Client Sample ID: S2 D.C. Unit Sump 2 Outfall | Date Collected: 5/21/2015 5:15:00PM |

| Analyte | Results | PQL | Units | Flag | Method | Date Prepared | Date Analyzed | Init. |
|---|---|---|---|---|---|---|---|---|
| **Subcontracted Analyses** | | | | | | | | |
| Gross Alpha | <15.0 | 15.0 | pCi/L | | SM 7110C | 6/5/15 | 6/8/15 | MCS |
| Radium-226 | <3.00 | 3.00 | pCi/L | | E903.1 | 5/28/15 | 6/1/15 | MCS |
| Radium-228 | <2.00 | 2.00 | pCi/L | | EPA Ra-05 | 6/6/15 | 6/10/15 | MCS |
| Uranium (ug/L) | <20.0 | 20.0 | pCi/L | | E908 | 6/9/15 | 6/9/15 | MCS |

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| Bakersfield, CA 93309 | Attention: Burton A. Ellison | Received: 05/22/2015 13:00 |

| | |
|---|---|
| Lab Sample ID: **1505289-02** | Collected By: Burton R. Ellison |
| Client Sample ID: S2 D.C. Unit Sump 2 Outfall | Date Collected: 6/9/2015 12:10:00PM |

| Analyte | Results | PQL | Units | Flag | Method | Date Prepared | Date Analyzed | Init. |
|---|---|---|---|---|---|---|---|---|
| **Petroleum Hydrocarbons** | | | | | | | | |
| Diesel Range Hydrocarbons | 1.96 | 0.05 | mg/L | | SW846 8015B | 6/9/15 | 6/9/15 | BIG |
| Motor Oil Range Hydrocarbons | 5.49 | 0.15 | mg/L | | SW846 8015B | 6/9/15 | 6/9/15 | BIG |

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**CHAIN OF CUSTODY, ID#** 1505289

Page 1 of 1

Zalco Lab # 1505289

Client PO #

**PROJECT ID:**

**QUOTE ID:**

| REPORT INFO | INVOICE INFO |
|---|---|
| Client: Burton A. Ellison | Invoice To: Same as Client ☑ |
| Address: 101 Starmount Lane | Address: |
| City, State, Zip: Bakersfield, CA 93309 | City, State, Zip: |
| Attention: Burton R. Ellison | Attention: |
| Phone: Results ☐ | Phone: 661-809-7548 |
| Fax: Results ☐ | Fax: |
| Email: Results ☒ | Email: bellison101@aol.com |

**SAMPLED BY:** **EMPLOYED BY:**

**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

| Sample No.* | Sample Description | Date | Sample Time | Type* | # OF CONTAINERS | See Attached Items B, D, F, & I | | | | | | | | TEMPERATURE (C°) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S2 | D.C. Unit Sump 2 outfall | 5/21/15 | 1715 | WW | 7 | X | X | | | | | | | 13.0 |

| RELINQUISHED By: Signature | PRINT | COMPANY | Date | Time | RECEIVED By: Signature | PRINT |
|---|---|---|---|---|---|---|
| Burton R. Ellison | Burton R. Ellison | B.A. Ellison | 5/22/15 | 1300 | [illegible] | [illegible] |
| | | | | | | |
| | | | | | | |

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