

Jaco Production Company
P.O. Box 82515
Bakersfield, CA 93380
661-633-7527
richardw@jaco.com

Mr. Ron Holcomb
Central Valley Water Board
1685 E Street
Fresno, CA 93706

RE: Draft Cleanup and Abatement Order No. R5-2015-0XXX Certification Statement

With respect to Draft Cleanup and Abatement Order No. R5-2015-0XXX, please note that the C.E. Houchin et al Lease in the Midway Sunset Oilfield is owned by Jaco Production Company, rather than Jaco Oil Company.

Produced crude oil and associated water was last produced on this property in May 1998 by the previous owner of the oil and gas working interest, Midsun Partners from Radnor, PA. Midsun Partners operated a co-generation facility on the Houchin property from about 1986 to May 1998 subject to an oil/gas lease and/or Ground Lease from Jaco Production Company and its other co-owners. Midsun Partners produced electricity from the power plant and utilized heat from the gas turbine to generate steam which was injected into the shallow Marvic zone oil reservoir to enhance oil recovery. The surface and/or minerals of the C.E. Houchin property is co-owned by Jaco Production Company and others from whom Midsun Partners and/or its predecessors leased both the surface and minerals for its co-gen/oil production activities. When Midsun ceased operations in mid-1998 on the C.E. Houchin property and negotiated a settlement of future financial obligations with all the co-owners of the surface/minerals including Jaco Production Company, one aspect of the settlement was Jaco Production Company's acquisition of the oil wells and associated facilities. At this juncture, Jaco Production Company became the designated "operator" with the California Division of Oil, Gas and Geothermal Resources of the wells on the C.E. Houchin property. This being said, Jaco Production Company is the operator of the wells in name only. Never have we produced the wells and consequently, never has wastewater been separated from any extracted crude and discharged into the unlined ponds since Midsun Partners ceased its cogeneration/oilfield operations in May 1998. In fact, after Jaco Production Company took over "operatorship", the oilfield electrical main panel was decommissioned as a safety measure and as a consequence, the wells are inoperable. Jaco Production Company took over "operatorship" of the wells in name only to prevent some unknown/unrelated party taking over the wells. As one of the co-owners of the surface/mineral rights, we wanted to control our own destiny with respect to property. Since taking over the "operatorship" of the wells in mid-1998, Jaco Production Company has conformed with the monthly reporting requirements of the California Division of Oil, Gas and Geothermal Resources (DOGGR). A review of the online production records of the DOGGR will reveal that zero production has been reported from the C.E. Houchin property

since May 1998. A copy of the DOGGR historical production from the C.E. Houchin property is attached. Also, annual idle well assessments have been paid to DOGGR as a consequence of the wells being idle since mid-1998. Further, the DOGGR requested that certain tankage on the C.E. Houchin property be marked with "Out of Service" notations painted on the side and cleaned. While the work was being done to satisfy this requirement, a vacuum truck load of hot water was brought from offsite onto the C.E. Houchin property for cleaning the tanks in preparation of painting the "Out of Service" notation on the tanks. At the conclusion of this work, the remaining water brought onto the site was pumped from the vacuum truck into the two ponds. It was this water that was observed by Joshua Mahoney of the Regional Water Quality Control Board's Fresno, CA office. This was a one-time event and will not recur. It is estimated that approximately 2,000-3,000 gallons of water was pumped into the sumps from the vacuum truck. At the request of Joshua Mahoney, two samples were taken from the sumps and sent to Zalco Laboratories for analysis. Although the Zalco reports have been previously provided Joshua Mahoney, copies are also attached. Please note that except for high sodium levels, the water contained no undesirable constituents. Please also note that any ground water in the vicinity of the C.E. Houchin also contains high levels of sodium.

In that the water in the C.E. Houchin sumps was a consequence of a one-time event, it is requested the draft Cleanup and Abatement Order No. R5-2015-0XXX, be deferred.

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. Pursuant to Water Code section 13350, any person who intentionally or negligently violates a cleanup and abatement order may be liable civilly in an amount which shall not exceed five thousand dollars (\$5,000), but shall not be less than five hundred dollars (\$500), for each day in which the cleanup and abatement order is violated.

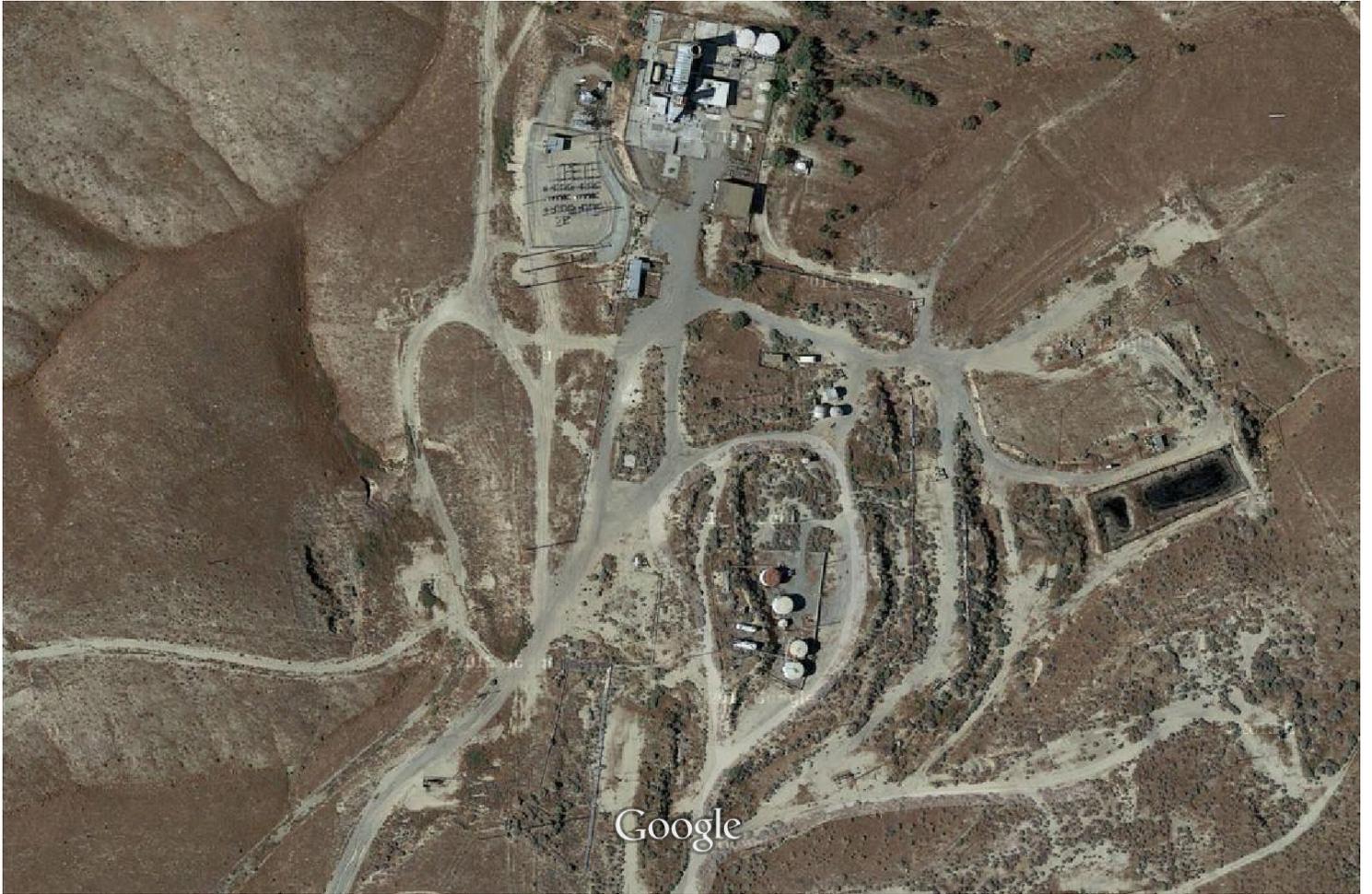
Regards,

By: 

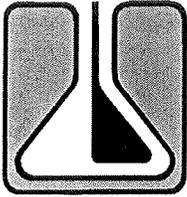
Richard A. Woodall
President, Richard Woodall, Incorporated
General Partner
Jaco Production Company



Google Google Maps



Imagery ©2015 DigitalGlobe, U.S. Geological Survey, USDA Farm Service Agency, Map data ©2015 Google 100 ft 



ZALCO LABORATORIES, INC.

Analytical & Consulting Services

4309 Armour Avenue
Bakersfield, California 93308

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

June 12, 2015

Richard Woodall
Jaco Oil Company
P O Box 82515
Bakersfield, CA 93380

TEL: (661) 393-7000
FAX: (661) 393-8738

Project ID:
RE: 1504281

Dear Richard Woodall:

Zalco Laboratories, Inc. received 2 samples on 4/24/2015 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,

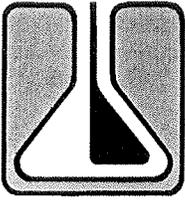
A handwritten signature in black ink, appearing to read "Juan Magana", written in a cursive style.

Juan Magana
Project Manager
CC:

NSS: Non Sufficient Sample H: Exceeds Analysis Hold Time TTL: 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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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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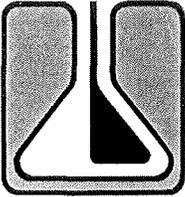
| | | |
|--|--|---|
| Jaco Oil Company P O Box 82515 Bakersfield, CA 93380 | Project: RWQCB Oilfield Ponds - 2Q2015 Project #: Attention: Richard Woodall | Work Order No.: 1504281 Reported: 06/12/2015 Received: 04/24/2015 15:30 |
|--|--|---|

| | |
|--|-------------------------------------|
| Lab Sample ID: 1504281-01 | Collected By: Michael C. |
| Client Sample ID: Waste Water Disposal Pond (West) | Date Collected: 4/24/2015 1:00:00PM |

| Analyte | Results | PQL | Units | Flag | Method | Date Prepared | Date Analyzed | Init. |
|----------------------------------|---------|--------|-------------------|----------|-------------|---------------|---------------|-------|
| Alkalinity | | | | | | | | |
| Total Alkalinity | 760 | 10 | mg/L | | SM 2320B | 4/24/15 | 4/24/15 | SAM |
| Bicarbonate (HCO3) | 760 | 10 | mg/L | | SM 2320B | 4/24/15 | 4/24/15 | SAM |
| Carbonate (CO3) | <10 | 10 | mg/L | | SM 2320B | 4/24/15 | 4/24/15 | SAM |
| Hydroxide (OH) | <10 | 10 | mg/L | | SM 2320B | 4/24/15 | 4/24/15 | SAM |
| CAM, Toxicity (17 Metals) | | | | | | | | |
| | | | <i>TTL Limits</i> | | | | | |
| Antimony | <0.20 | 0.20 | 500 | mg/L | SW846 6010B | 4/28/15 | 4/28/15 | SS |
| Arsenic | 0.10 | 0.020 | 500 | mg/L | SW846 6010B | 4/28/15 | 4/28/15 | SS |
| Barium | 0.29 | 0.10 | 10000 | mg/L | SW846 6010B | 4/28/15 | 4/28/15 | SS |
| Beryllium | <0.010 | 0.010 | 75 | mg/L | SW846 6010B | 4/28/15 | 4/28/15 | SS |
| Cadmium | <0.010 | 0.010 | 100 | mg/L | SW846 6010B | 4/28/15 | 4/28/15 | SS |
| Chromium | <0.050 | 0.050 | 2500 | mg/L | SW846 6010B | 4/28/15 | 4/28/15 | SS |
| Cobalt | <0.10 | 0.10 | 8000 | mg/L | SW846 6010B | 4/28/15 | 4/28/15 | SS |
| Copper | 0.22 | 0.050 | 2500 | mg/L | SW846 6010B | 4/28/15 | 4/28/15 | SS |
| Lead | <0.050 | 0.050 | 1000 | mg/L | SW846 6010B | 4/28/15 | 4/28/15 | SS |
| Mercury | <0.0020 | 0.0020 | 20 | mg/L | SW846 7470A | 4/28/15 | 4/28/15 | SS |
| Molybdenum | <0.10 | 0.10 | 3500 | mg/L | SW846 6010B | 4/28/15 | 4/28/15 | SS |
| Nickel | 0.17 | 0.050 | 2000 | mg/L | SW846 6010B | 4/28/15 | 4/28/15 | SS |
| Selenium | <0.05 | 0.05 | 100 | mg/L | SW846 6010B | 4/28/15 | 4/28/15 | SS |
| Silver | <0.020 | 0.020 | 500 | mg/L | SW846 6010B | 4/28/15 | 4/28/15 | SS |
| Thallium | <0.50 | 0.50 | 700 | mg/L | SW846 6010B | 4/28/15 | 4/28/15 | SS |
| Vanadium | <0.10 | 0.10 | 2400 | mg/L | SW846 6010B | 4/28/15 | 4/28/15 | SS |
| Zinc | 0.11 | 0.050 | 5000 | mg/L | SW846 6010B | 4/28/15 | 4/28/15 | SS |
| General Chemistry | | | | | | | | |
| | | | <i>MCL Limits</i> | | | | | |
| Fluoride | <1.0 | 1.0 | 2 | mg/L | EPA 300.0 | 4/24/15 | 4/24/15 | MSS |
| Nitrate as NO3 | <500 | 500 | 45 | mg/L | EPA 300.0 | 4/24/15 | 4/24/15 | MSS |
| Electrical Conductivity | 20 | 0.010 | | mmhos/cm | SM 2510B | 4/24/15 | 4/25/15 | SAM |
| Bromide | 23 | 1.0 | | mg/L | EPA 300.0 | 4/24/15 | 4/24/15 | MSS |
| Chloride | 5700 | 500 | | mg/L | EPA 300.0 | 4/24/15 | 4/24/15 | MSS |
| pH | 6.91 | | | pH Units | EPA 150.1 | 4/24/15 | 4/24/15 | SAM |
| Sulfate as SO4 | 2100 | 120 | | mg/L | EPA 300.0 | 4/24/15 | 4/24/15 | MSS |
| Total Dissolved Solids | 15000 | 10 | | mg/L | SM 2540C | 4/29/15 | 4/29/15 | MSS |
| Hardness | | | | | | | | |

NSS: Non Sufficient Sample H: Exceeds Analysis Hold Time TTL: 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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|--|--|---|
| Jaco Oil Company P O Box 82515 Bakersfield, CA 93380 | Project: RWQCB Oilfield Ponds - 2Q2015 Project #: Attention: Richard Woodall | Work Order No.: 1504281 Reported: 06/12/2015 Received: 04/24/2015 15:30 |
|--|--|---|

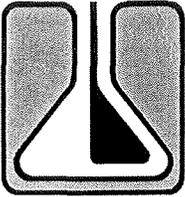
| | |
|---|---|
| Lab Sample ID: 1504281-01 Client Sample ID: Waste Water Disposal Pond (West) | Collected By: Michael C. Date Collected: 4/24/2015 1:00:00PM |
|---|---|

| Analyte | Results | PQL | Units | Flag | Method | Date Prepared | Date Analyzed | Init. |
|---------------------------------------|---------|-------|-------|------|-------------|---------------|---------------|-------|
| Hardness | | | | | | | | |
| Hardness (as CaCO3) | 2000 | 2.0 | mg/L | | SM 2340B | 4/28/15 | 4/28/15 | SS |
| Metals - As Received | | | | | | | | |
| Magnesium | 170 | 0.050 | mg/L | | EPA 200.7 | 4/28/15 | 4/28/15 | SS |
| Potassium | 240 | 0.50 | mg/L | | EPA 200.7 | 4/28/15 | 4/28/15 | SS |
| Sodium | 4500 | 70 | mg/L | | EPA 200.7 | 4/28/15 | 4/28/15 | SS |
| Calcium | 530 | 0.050 | mg/L | | EPA 200.7 | 4/28/15 | 4/28/15 | SS |
| Iron | 0.72 | 0.10 | mg/L | | EPA 200.7 | 4/28/15 | 4/28/15 | SS |
| Boron | 24 | 0.10 | mg/L | | EPA 200.7 | 4/28/15 | 4/28/15 | SS |
| Barium | 0.30 | 0.10 | mg/L | | EPA 200.7 | 4/28/15 | 4/28/15 | SS |
| Copper | 0.38 | 0.050 | mg/L | | EPA 200.7 | 4/28/15 | 4/28/15 | SS |
| Silica (SiO2) | 89 | 4.0 | mg/L | | EPA 200.7 | 4/28/15 | 4/28/15 | SS |
| Strontium | 9.4 | 0.10 | mg/L | | EPA 200.7 | 4/28/15 | 4/28/15 | SS |
| Manganese | 1.6 | 0.030 | mg/L | | EPA 200.7 | 4/28/15 | 4/28/15 | SS |
| Oil & Grease Testing | | | | | | | | |
| TRPH | <5.00 | 5.00 | mg/L | | EPA 1664 | 5/8/15 | 5/8/15 | 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 |
| 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 |

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|--|--|---|

| | |
|---|---|
| Lab Sample ID: 1504281-01 Client Sample ID: Waste Water Disposal Pond (West) | Collected By: Michael C. Date Collected: 4/24/2015 1:00:00PM |
|---|---|

| Analyte | Results | PQL | Units | Flag | Method | Date Prepared | Date Analyzed | Init. |
|---------|---------|-----|-------|------|--------|---------------|---------------|-------|
|---------|---------|-----|-------|------|--------|---------------|---------------|-------|

Semivolatile Organic Compounds

| Surrogates | % Recovery | Recovery Limits | Flag | |
|------------------|------------|-----------------|------|--------------|
| Nitrobenzene-d5 | 2.96 | 0-95 | | 4/28/15 9:31 |
| 2-Fluorobiphenyl | 2.62 | 0-92 | | 4/28/15 9:31 |
| Terphenyl-d14 | 1.29 | 0-100 | | 4/28/15 9:31 |

Subcontracted Analyses

| | | | | | | | |
|----------------|-------|------|-------|-----------|---------|---------|-----|
| Gross Alpha | <15.0 | 15.0 | pCi/L | SM 7110C | 5/4/15 | 5/5/15 | MCS |
| Radium-226 | <3.00 | 3.00 | pCi/L | E903.1 | 5/6/15 | 5/8/15 | MCS |
| Radium-228 | <2.00 | 2.00 | pCi/L | EPA Ra-05 | 5/15/15 | 5/18/15 | MCS |
| Uranium (ug/L) | <20.0 | 20.0 | pCi/L | E908 | 5/13/15 | 5/13/15 | MCS |

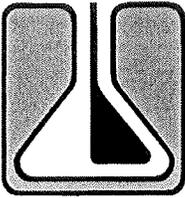
Volatile Organic Compounds

| | | | | | | | |
|-------------------------|-------|------|------|-------------|--------|--------|-----|
| m,p-Xylene | <5.00 | 5.00 | ug/L | SW846 8260B | 5/8/15 | 5/8/15 | HLP |
| Benzene | 9.80 | 5.00 | ug/L | SW846 8260B | 5/8/15 | 5/8/15 | HLP |
| Xylenes, total | 0.00 | | ug/L | SW846 8260B | 5/8/15 | 5/8/15 | HLP |
| Methyl tert-Butyl Ether | <5.00 | 5.00 | ug/L | SW846 8260B | 5/8/15 | 5/8/15 | HLP |
| Ethylbenzene | <5.00 | 5.00 | ug/L | SW846 8260B | 5/8/15 | 5/8/15 | HLP |
| Toluene | 11.1 | 5.00 | ug/L | SW846 8260B | 5/8/15 | 5/8/15 | HLP |
| o-Xylene | <5.00 | 5.00 | ug/L | SW846 8260B | 5/8/15 | 5/8/15 | HLP |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|-----------------------|------------|-----------------|------|-------------|
| 1,2-Dichloroethane-d4 | 98.2 | 89-165 | | 5/8/15 9:44 |
| Toluene-d8 | 99.5 | 65-124 | | 5/8/15 9:44 |
| 4-Bromofluorobenzene | 111 | 94-114 | | 5/8/15 9:44 |

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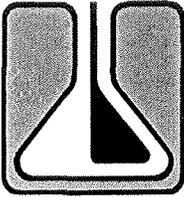
| | |
|--|-------------------------------------|
| Lab Sample ID: 1504281-02 | Collected By: Michael C. |
| Client Sample ID: Waste Water Disposal Pond (East) | Date Collected: 4/24/2015 1:00:00PM |

| Analyte | Results | PQL | Units | Flag | Method | Date Prepared | Date Analyzed | Init. | |
|----------------------------------|---------|--------|--------------------|----------|-------------|---------------|---------------|-------|--|
| Alkalinity | | | | | | | | | |
| Total Alkalinity | 700 | 10 | mg/L | | SM 2320B | 4/24/15 | 4/24/15 | SAM | |
| Bicarbonate (HCO3) | 700 | 10 | mg/L | | SM 2320B | 4/24/15 | 4/24/15 | SAM | |
| Carbonate (CO3) | <10 | 10 | mg/L | | SM 2320B | 4/24/15 | 4/24/15 | SAM | |
| Hydroxide (OH) | <10 | 10 | mg/L | | SM 2320B | 4/24/15 | 4/24/15 | SAM | |
| CAM, Toxicity (17 Metals) | | | | | | | | | |
| | | | <i>TTLT Limits</i> | | | | | | |
| Antimony | <0.20 | 0.20 | 500 | mg/L | SW846 6010B | 4/28/15 | 4/28/15 | SS | |
| Arsenic | 0.026 | 0.020 | 500 | mg/L | SW846 6010B | 4/28/15 | 4/28/15 | SS | |
| Barium | 0.38 | 0.10 | 10000 | mg/L | SW846 6010B | 4/28/15 | 4/28/15 | SS | |
| Beryllium | <0.010 | 0.010 | 75 | mg/L | SW846 6010B | 4/28/15 | 4/28/15 | SS | |
| Cadmium | <0.010 | 0.010 | 100 | mg/L | SW846 6010B | 4/28/15 | 4/28/15 | SS | |
| Chromium | <0.050 | 0.050 | 2500 | mg/L | SW846 6010B | 4/28/15 | 4/28/15 | SS | |
| Cobalt | <0.10 | 0.10 | 8000 | mg/L | SW846 6010B | 4/28/15 | 4/28/15 | SS | |
| Copper | 0.19 | 0.050 | 2500 | mg/L | SW846 6010B | 4/28/15 | 4/28/15 | SS | |
| Lead | <0.050 | 0.050 | 1000 | mg/L | SW846 6010B | 4/28/15 | 4/28/15 | SS | |
| Mercury | <0.0020 | 0.0020 | 20 | mg/L | SW846 7470A | 4/28/15 | 4/28/15 | SS | |
| Molybdenum | <0.10 | 0.10 | 3500 | mg/L | SW846 6010B | 4/28/15 | 4/28/15 | SS | |
| Nickel | 0.068 | 0.050 | 2000 | mg/L | SW846 6010B | 4/28/15 | 4/28/15 | SS | |
| Selenium | <0.05 | 0.05 | 100 | mg/L | SW846 6010B | 4/28/15 | 4/28/15 | SS | |
| Silver | <0.020 | 0.020 | 500 | mg/L | SW846 6010B | 4/28/15 | 4/28/15 | SS | |
| Thallium | <0.50 | 0.50 | 700 | mg/L | SW846 6010B | 4/28/15 | 4/28/15 | SS | |
| Vanadium | <0.10 | 0.10 | 2400 | mg/L | SW846 6010B | 4/28/15 | 4/28/15 | SS | |
| Zinc | <0.050 | 0.050 | 5000 | mg/L | SW846 6010B | 4/28/15 | 4/28/15 | SS | |
| General Chemistry | | | | | | | | | |
| | | | <i>MCL Limits</i> | | | | | | |
| Fluoride | <1.0 | 1.0 | 2 | mg/L | EPA 300.0 | 4/24/15 | 4/24/15 | MSS | |
| Nitrate as NO3 | <20.0 | 20.0 | 45 | mg/L | EPA 300.0 | 4/24/15 | 4/24/15 | MSS | |
| Electrical Conductivity | 28 | 0.010 | | mmhos/cm | SM 2510B | 4/24/15 | 4/25/15 | SAM | |
| Bromide | 39 | 1.0 | | mg/L | EPA 300.0 | 4/24/15 | 4/24/15 | MSS | |
| Chloride | 9900 | 1000 | | mg/L | EPA 300.0 | 4/24/15 | 4/24/15 | MSS | |
| pH | 7.42 | | | pH Units | EPA 150.1 | 4/24/15 | 4/24/15 | SAM | |
| Sulfate as SO4 | 110 | 5.0 | | mg/L | EPA 300.0 | 4/24/15 | 4/24/15 | MSS | |
| Total Dissolved Solids | 17000 | 10 | | mg/L | SM 2540C | 4/29/15 | 4/29/15 | MSS | |
| Hardness | | | | | | | | | |

NSS: Non Sufficient Sample H: Exceeds Analysis Hold Time TTLT: 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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Analytical & Consulting Services

4309 Armour Avenue
Bakersfield, California 93308

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

| | | |
|--|--|---|
| Jaco Oil Company P O Box 82515 Bakersfield, CA 93380 | Project: RWQCB Oilfield Ponds - 2Q2015 Project #: Attention: Richard Woodall | Work Order No.: 1504281 Reported: 06/12/2015 Received: 04/24/2015 15:30 |
|--|--|---|

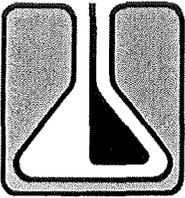
| | |
|--|-------------------------------------|
| Lab Sample ID: 1504281-02 | Collected By: Michael C. |
| Client Sample ID: Waste Water Disposal Pond (East) | Date Collected: 4/24/2015 1:00:00PM |

| Analyte | Results | PQL | Units | Flag | Method | Date Prepared | Date Analyzed | Init. |
|---------------------------------------|---------|-------|-------|------|-------------|---------------|---------------|-------|
| Hardness | | | | | | | | |
| Hardness (as CaCO3) | 660 | 2.0 | mg/L | | SM 2340B | 4/28/15 | 4/28/15 | SS |
| Metals - As Received | | | | | | | | |
| Magnesium | 93 | 0.050 | mg/L | | EPA 200.7 | 4/28/15 | 4/28/15 | SS |
| Potassium | 110 | 0.50 | mg/L | | EPA 200.7 | 4/28/15 | 4/28/15 | SS |
| Sodium | 7500 | 70 | mg/L | | EPA 200.7 | 4/28/15 | 4/28/15 | SS |
| Calcium | 110 | 0.050 | mg/L | | EPA 200.7 | 4/28/15 | 4/28/15 | SS |
| Iron | 0.51 | 0.10 | mg/L | | EPA 200.7 | 4/28/15 | 4/28/15 | SS |
| Boron | 28 | 0.10 | mg/L | | EPA 200.7 | 4/28/15 | 4/28/15 | SS |
| Barium | 0.35 | 0.10 | mg/L | | EPA 200.7 | 4/28/15 | 4/28/15 | SS |
| Copper | 0.37 | 0.050 | mg/L | | EPA 200.7 | 4/28/15 | 4/28/15 | SS |
| Silica (SiO2) | 110 | 40 | mg/L | | EPA 200.7 | 4/28/15 | 4/28/15 | SS |
| Strontium | 9.1 | 0.10 | mg/L | | EPA 200.7 | 4/28/15 | 4/28/15 | SS |
| Manganese | 0.056 | 0.030 | mg/L | | EPA 200.7 | 4/28/15 | 4/28/15 | SS |
| Oil & Grease Testing | | | | | | | | |
| TRPH | <5.00 | 5.00 | mg/L | | EPA 1664 | 5/8/15 | 5/8/15 | 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 |
| 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 |

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Table with 3 columns: Client Information (Jaco Oil Company, P O Box 82515, Bakersfield, CA 93380), Project Information (Project: RWQCB Oilfield Ponds - 2Q2015, Project #: , Attention: Richard Woodall), and Work Order Information (Work Order No.: 1504281, Reported: 06/12/2015, Received: 04/24/2015 15:30)

Table with 2 columns: Lab Sample Information (Lab Sample ID: 1504281-02, Client Sample ID: Waste Water Disposal Pond (East)) and Collection Information (Collected By: Michael C., Date Collected: 4/24/2015 1:00:00PM)

Table with 10 columns: Analyte, Results, PQL, Units, Flag, Method, Date Prepared, Date Analyzed, Init.

Semivolatile Organic Compounds

Table with 5 columns: Surrogates, % Recovery, Recovery Limits, Flag, and Date Analyzed. Rows include Nitrobenzene-d5, 2-Fluorobiphenyl, and Terphenyl-d14.

Subcontracted Analyses

Table with 8 columns: Analyte, Results, PQL, Units, Method, Date Prepared, Date Analyzed, and MCS. Rows include Gross Alpha, Radium-226, Radium-228, and Uranium (ug/L).

Volatile Organic Compounds

Table with 8 columns: Analyte, Results, PQL, Units, Method, Date Prepared, Date Analyzed, and HLP. Rows include m,p-Xylene, Benzene, Xylenes, total, Methyl tert-Butyl Ether, Ethylbenzene, Toluene, and o-Xylene.

Table with 5 columns: Surrogates, % Recovery, Recovery Limits, Flag, and Date Analyzed. Rows include 1,2-Dichloroethane-d4, Toluene-d8, and 4-Bromofluorobenzene.

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