

TOSCO REFINING COMPANY
SAN FRANCISCO AREA REFINERY
RODEO

FAX

RECEIVED

2:29 pm, Apr 15, 2009

Alameda County
Environmental Health

DATE: 6-18-99 FAX NO 925-277-2361 / 707-745-0510

TO: DAVE DEWITT / MARK LALIBERTE (WMIS)

FROM: S. MITCHELL PHONE NO. _____

NO. OF PAGES BEING SENT 2
(INCLUDING THE COVER SHEET)

URGENT

PER YOUR REQUEST _____

ORIGINAL WILL BE MAILED _____

PLEASE RESPOND _____

MESSAGE ATTACHED IS AN APPROVED R-149 FOR S.S.# 3737
IN EMERYVILLE

Store #	<u>25373.7</u>	Date	<u>6/18/99</u>
Unit #	<u>3737</u>	Code	<u>LAB</u> Color <input type="checkbox"/>
Description	<u>R149</u>		

1380 San Pablo Avenue, Rodeo, California 94572 WESTERN REGION BOX:
Telephone No. (510) 245-4402
FAX No. (510) 245-4604
9509

Form R-149: Acceptance Authorization for Remediation Wastewater to Tosco's San Francisco Area Refinery at Rodeo**WASTEWATER TREATMENT PLANT (UNIT 100) OPERATORS:**

This form, if approved below, serves as an acceptance document to process the wastewater at the San Francisco Area Refinery at Rodeo Wastewater Treatment Plant, Unit 100.

Requester's Name/Signature:	David De Witt	<i>D. D. De Witt</i>
Company:	Tosco Marketing Company	
Address:	2000 Crow Canyon Place, Suite 400, San Ramon, CA	
Telephone/Fax:	925-277-2384	925-277-2361
Station No. and Location:	76 Service Station # 3737, 1400 Powell Street, Emeryville, CA	
Description of Water Source:	Tank pit water	
Volume of Water/Solids Expected:	20,000 gallons	minimal
Volume of Water Expected:	20,000 Gallons	
Pesticides/Fish Toxicity Expected:	Yes <input type="radio"/> No <input checked="" type="radio"/>	Yes <input type="radio"/> No <input checked="" type="radio"/>
Maximum Rate of Disposal (EAD):		

The remediation wastewater described above has been reviewed for Federal and California Hazardous Waste characteristics. The wastewater is (circle one) recommend / not recommended for processing at the WWTP.

This form is valid until: 7/20/99
EAD Personnel: *A. Zalcala*
Operations Personnel: *S. C. [Signature]*

Recommended Date: 6/17/99
Approval Date: 6/18/99

Truck drivers: Please provide a copy of this R-149 form upon delivery of wastewater to Unit 100.

Driver's info:

Truck No. _____ pH at site _____

UNIT 100 OPERATORS: Please fill out the portion below and forward this completed form to EAD in Room 110 of the Administration Building.

Date and time of delivery:

Delivered on: ____/____/____

@ ____ AM / PM

Volume delivered:

____ gallons or ____ bbl.

pH ____

COMMENTS: No free product accepted. Gravity of load only.

Any questions? Call (510) 245-4465, (510) 245-4403 or Fax (510) 245-4476.

TOSCO MARKETING COMPANY

FAX



ENVIRONMENTAL REMEDIATION and COMPLIANCE

2000 Crow Canyon Place, Suite 400
San Ramon, CA 94583
fax (925) 277-2361

TO: MERLIZA ALCALA
COMPANY: TOSCO REFINING
FAX NO: 925-372-3179
DATE: 6-10-99 PAGES SENT: 10 (including cover)

This message is intended only for the use of the individual or entity to which it is addressed, and may contain information that is privileged, confidential and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient, or the employee or agent responsible for delivering the message to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify the sender immediately by telephone and return the original message to the sender at the above address via the US Postal Service. Thank you.

FROM: Dave DeWitt

PHONE:

COMMENTS:

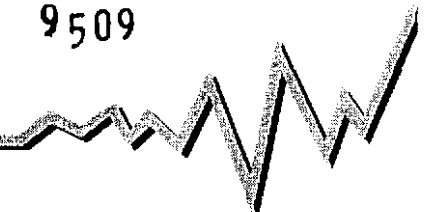
Merliza

Store #	<u>253737</u>	Date	<u>6/10/99</u>
Unit #	<u>3737</u>	Code	<u>LAB</u> Color <input type="checkbox"/>
Description	<u>R149 (UNSIGNED) ASD</u>		
<u>FISH BIOASSAY</u>			

As you see, this one has taken a lot of time. Sequoia had to send the sample to different labs for different analysis. I would like to move this one as soon as possible since it is in the way of construction. Please call with questions or comments.

WESTERN REGION BOX:

9509



Form R-149: Acceptance Authorization for Remediation Wastewater to Tosco's San Francisco Area Refinery at Rodeo

WASTEWATER TREATMENT PLANT (UNIT 100) OPERATORS:

This form, if approved below, serves as an acceptance document to process the wastewater at the San Francisco Area Refinery at Rodeo Wastewater Treatment Plant, Unit 100.

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Volume of Water Expected:	20,000	
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This form is valid until: _____

EAD Personnel: _____

Recommended Date: _____

Operations Personnel: _____

Approval Date: _____

Truck drivers: Please provide a copy of this R-149 form upon delivery of wastewater to Unit 100.

Driver's info:

Truck No. _____	pH at site _____
-----------------	------------------

UNIT 100 OPERATORS: Please fill out the portion below and forward this completed form to EAD in Room 110 of the Administration Building.

Date and time of delivery:

Delivered on: ____ / ____ / ____	@ ____ AM / PM
Volume delivered: _____ gallons or _____ bbl.	pH _____

COMMENTS: No free product accepted. Gravity off-load only.

Any questions? Call (510) 245-4465, (510) 245-4403 or Fax (510) 245-4476.



Sequoia Analytical

680 Chesapeake Drive
404 N. Wilger Lane
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1455 McDowell Blvd., North, Ste. D
1551 Industrial Road

Redwood City, CA 94063
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(650) 232-9600 FAX (650) 232-9612

Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: Tom Seellger

Client Project ID: T0000037, Emeryville
Sample Descript: Soil, Filter
Analysis Method: Sediment
Lab Number: 905-0778

Sampled: May 13, 1999 11:00
Received: May 13, 1999 12:00

Reported: May 24, 1999

STATIC HAZARDOUS ABREVIATED SCREEN BIOASSAY

Species: Pimephales promelas

Common Name: Fathead Minnow

Mean length: 32 mm Min. length: 31 mm
Max. length: 35 mm
Mean weight: 0.38 g Min. weight: 0.29 g
Max. weight: 0.48 g

Organisms/Tank: 10
Organisms/Conc.: 20
Tank Depth: 13 cm
Tank Volume: 10 L
Acclimation Temp.: 21 °C
Supplier: Sticklobacks Unlimited

Dilution Water: Synthetic Softwater
Hardness 40-48

Alkalinity, mg/L		Hardness, mg/L	
Initial	Final	Initial	Final
25	32	55	47
27	32	45	54
27	31	49	53

Duplicate / Control

DATE	Initial	24 Hr	48 Hr	72 Hr	96 Hr
	5/18/99	5/19/99	5/20/99	5/21/99	5/22/99

	DO	C	pH	DO	C	pH	# M	DO	C	pH	# M	DO	C	pH	# M	DO	C	pH	# M	Total
	mg/L	Temp	Units	mg/L	Temp	Units	Dead	mg/L	Temp	Units	Dead	mg/L	Temp	Units	Dead	mg/L	Temp	Units	Dead	Dead
Control	8.8	19	7.5	8.1	18	7.4	0	8.1	18	7.5	0	7.7	19	7.5	0	7.0	19	7.4	1	1
750 ppm	9.2	20	7.5	7.9	19	7.3	0	7.8	19	7.4	0	7.7	20	7.4	0	7.1	20	7.5	1	1
250 ppm	9.3	19	7.5	8.0	19	7.4	0	7.6	18	7.4	0	7.8	20	7.4	0	7.2	20	7.5	1	1
Duplicate																				
750 ppm	9.3	19	7.5	8.1	19	7.4	0	7.6	19	7.4	0	7.9	20	7.5	0	7.5	20	7.5	0	0
250 ppm	9.3	20	7.5	8.2	19	7.4	0	7.9	18	7.4	0	7.8	20	7.4	2	6.9	20	7.5	2	2

Pass X Fail

Remarks: The screen fails if > 40% of the fish die in the 750 ppm concentration.

Analyst: M. Kosovskly

Method Reference: Static Acute Bioassay Procedures for Hazardous Waste Samples, November 5, 1995, California Department of Fish and Game WPCL.

SEQUOIA ANALYTICAL, #1271

Juianne Fegley

Juianne Fegley
Project Manager



Sequoia Analytical

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404 N. Wiget Lane
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Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: Tom Seeliger

Client Project ID: Tosco #3737, Emeryville
Sample Matrix: Water
Analysis Method: EPA 5030/8015 Mod./8020
First Sample #: 905-2211

Sampled: May 26, 1999
Received: May 26, 1999
Reported: May 27, 1999

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX / MTBE

Analyte	Reporting Limit µg/L	Sample I.D. 905-2211 Baker
Purgeable Hydrocarbons	50	1,200
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Total Xylenes	0.50	N.D.
MTBE	2.5	6,100

Chromatogram Pattern:

Unidentified
Hydrocarbons
C6-C12

Quality Control Data

Report Limit Multiplication Factor: 20
Date Analyzed: 5/27/99
Instrument Identification: HP-5
Surrogate Recovery, %:
(QC Limits = 70-130%) 88

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Julianne Fegley
Project Manager



Sequoia Analytical

680 Chesapeake Drive
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Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: Tom Seeliger

Client Project ID: Tosco #3737, Emeryville
Sample Matrix: Water
Analysis Method: EPA 3510/8015 Mod.
First Sample #: 905-0778

Sampled: May 13, 1999
Received: May 13, 1999
Reported: May 24, 1999

QC Batch Number:

SP051899

8015EXA

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

Analyte	Reporting Limit µg/L	Sample I.D. 905-0778 Baker
Extractable Hydrocarbons	50	170,000

Chromatogram Pattern:

Unidentified
Hydrocarbons
C9 - C26

Quality Control Data

Report Limit Multiplication Factor:	50
Date Extracted:	5/18/99
Date Analyzed:	5/19/99
Instrument Identification:	HP-3B

Extractable Hydrocarbons are quantitated against a fresh diesel standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Julianne Fegley
Project Manager



Sequoia Analytical

1455 McDowell Blvd. North, Ste. D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342

Sequoia WC (Subbed In)	Project: Julianne Fegley	Sampled: 6/1/99
404 N. Wiger Lane	Project Number: 9906022	Received: 6/1/99
Walnut Creek, CA 94598	Project Manager: Julianna Fegley	Reported: 6/9/99

Conventional Chemistry Parameters by APHA/EPA Methods Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
<u>Baker/9060114</u>				<u>P906047-01</u>			<u>Water</u>	
Cyanide (total)	9060129	6/3/99	6/4/99	EPA 335.2	0.0100	ND	mg/l	
Sulfide	9060226	6/7/99	6/7/99	EPA 376.2	0.100	ND	"	





Sequoia Analytical

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Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: Tom Seeliger

Client Project ID: Tocco #3737, Emeryville
Sample Descript: Water, Baker

Lab Number: 905-0778

Sampled: May 13, 1999
Received: May 13, 1999

Analyzed: May 19-21, 1999
Reported: May 24, 1999

LABORATORY ANALYSIS

Analyte	Detection Limit mg/L	Sample Results mg/L	QC Batch Number	Instrument ID
* pH (pH Units).....	N/A	7.0	IN051999150110A	INPH-1
Ignitability (°C).....	N/A	> 95°	IN052199101000A	Manual
Reactive Cyanide.....	1.0	N.D.	9050513	--
Reactive Sulfide.....	5.0	N.D.	9050513	--

Analytes reported as N.D. were not present above the stated limit of detection

SEQUOIA ANALYTICAL, #1271
& #2245

Julianne Fegley
Julianne Fegley
Project Manager

Please Note:

* Analyzed past holding time.



Sequoia Analytical

Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: Tom Seelger

680 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite B
1455 McDowell Blvd, North, San D
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(707) 792-1865 FAX (707) 792-0342
(650) 232-9600 FAX (650) 232-9612

Client Project ID: Tocco 00737, Emeryville
Sample Descript: Water

Lab Number: 905-0778

Sampled: May 13, 1999
Received: May 13, 1999
Digested: May 18, 1999
Analyzed: May 25, 1999
Reported: May 25, 1999

CAM 17 METALS

Analyte	Detection Limit mg/L	Sample Residue mg/L	QC Batch Number	Instrument ID
Antimony.....	0.10	N.D.	ME0518992007MDA	MV-4
Arsenic.....	0.10	N.D.	ME0518992007MDA	MV-4
Barium.....	0.010	0.087	ME0518992007MDA	MV-4
Beryllium.....	0.010	N.D.	ME0518992007MDA	MV-4
Cadmium.....	0.010	N.D.	ME0518992007MDA	MV-4
Chromium (III).....	0.010	N.D.	ME0518992007MDA	MV-4
Cobalt.....	0.010	N.D.	ME0518992007MDA	MV-4
Copper.....	0.010	0.029	ME0518992007MDA	MV-4
Lead.....	0.020	N.D.	ME0518992007MDA	MV-4
Mercury.....	0.00020	N.D.	ME0518992451MDB	MV-1
Molybdenum.....	0.010	N.D.	ME0518992007MDA	MV-4
Nickel.....	0.010	0.012	ME0518992007MDA	MV-4
Selenium.....	0.10	N.D.	ME0518992007MDA	MV-4
Silver.....	0.010	N.D.	ME0518992007MDA	MV-4
Thallium.....	0.10	N.D.	ME0518992007MDA	MV-4
Vanadium.....	0.010	N.D.	ME0518992007MDA	MV-4
Zinc.....	0.020	0.058	ME0518992007MDA	MV-4

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Julianne Fegley

Julianne Fegley
Project Biology



Sequoia Analytical

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FAX (650) 232-9612

Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: Tom Seeliger

Client Project ID: Tosco #3737, Emeryville
Sample Descript: Water, Baker
Analysis Method: EPA 8260
Lab Number: 905-0778

Sampled: May 13, 1999
Received: May 13, 1999
Analyzed: May 24, 1999
Reported: May 24, 1999

QC Batch Number: MS0521998260S2A

Instrument ID: GC/MS-2

VOLATILE ORGANIC COMPOUNDS (EPA 8260)

Analyte	Detection Limit µg/L	Sample Results µg/L
Benzene.....	100	150
Bromobenzene.....	100	N.D.
Bromochloromethane.....	100	N.D.
Bromodichloromethane.....	100	N.D.
Bromoform.....	100	N.D.
Bromomethane.....	100	N.D.
n-Butylbenzene.....	100	N.D.
sec-Butylbenzene.....	100	N.D.
tert-Butylbenzene.....	100	N.D.
Carbon tetrachloride.....	100	N.D.
Chlorobenzene.....	100	N.D.
Chloroethane.....	100	N.D.
Chloroform.....	100	N.D.
Chloromethane.....	100	N.D.
2-Chlorotoluene.....	100	N.D.
4-Chlorotoluene.....	100	N.D.
Dibromochloromethane.....	100	N.D.
1,2-Dibromo-3-chloropropane.....	100	N.D.
1,2-Dibromoethane.....	100	N.D.
Dibromomethane.....	100	N.D.
1,2-Dichlorobenzene.....	100	N.D.
1,3-Dichlorobenzene.....	100	N.D.
1,4-Dichlorobenzene.....	100	N.D.
Dichlorodifluoromethane.....	100	N.D.
1,1-Dichloroethane.....	100	N.D.
1,2-Dichloroethane.....	100	N.D.
1,1-Dichloroethene.....	100	N.D.
cis-1,2-Dichloroethene.....	100	N.D.
trans-1,2-Dichloroethene.....	100	N.D.
1,2-Dichloropropane.....	100	N.D.
1,3-Dichloropropane.....	100	N.D.
2,2-Dichloropropane.....	100	N.D.
1,1-Dichloropropene.....	100	N.D.
cis-1,3-Dichloropropene.....	100	N.D.
trans-1,3-Dichloropropene.....	100	N.D.
Ethyl Benzene.....	100	N.D.
Hexachlorobutadiene.....	500	N.D.
Isopropylbenzene.....	100	N.D.



Sequoia Analytical

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FAX (650) 232-9612

Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: Tom Seeliger

Client Project ID: Tosco #2737, Emeryville
Sample Descript: Water, Baker
Analysis Method: EPA 8260
Lab Number: 905-0778

Sampled: May 13, 1999
Received: May 13, 1999
Analyzed: May 24, 1999
Reported: May 24, 1999

QC Batch Number: MS0521998260S2A

Instrument ID: GC/MS-2

VOLATILE ORGANIC COMPOUNDS (EPA 8260)

Analyte	Detection Limit µg/L	Sample Results µg/L
p-Isopropyltoluene.....	100	N.D.
Methylene chloride.....	500	570
Naphthalene.....	500	N.D.
n-Propylbenzene.....	100	N.D.
Styrene.....	100	N.D.
1,1,1,2-Tetrachloroethane.....	100	N.D.
1,1,2,2-Tetrachloroethane.....	250	N.D.
Tetrachloroethene.....	100	N.D.
Toluene.....	100	170
1,2,3-Trichlorobenzene.....	500	N.D.
1,2,4-Trichlorobenzene.....	500	N.D.
1,1,1-Trichloroethane.....	100	N.D.
1,1,2-Trichloroethane.....	100	N.D.
Trichloroethene.....	100	N.D.
Trichlorofluoromethane.....	100	N.D.
1,2,3-Trichloropropane.....	250	N.D.
1,2,4-Trimethylbenzene.....	100	N.D.
1,3,5-Trimethylbenzene.....	100	N.D.
Vinyl chloride.....	100	N.D.
Total-Xylene.....	100	N.D.
MTBE.....	100	11,000

Surrogates	Control Limit %	% Recovery
Dibromofluoromethane.....	50 150	83
Toluene-d8.....	50 150	99
4-Bromofluorobenzene.....	50 150	91

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Julianne Hegley
Julianne Hegley
Project Manager

Please Note:

• See narrative page 12.