



# Sequoia Analytical

680 Chesapeake Drive  
404 N. Wiger Lane  
819 Striker Avenue, Suite B  
1455 McDowell Blvd. North, Ste. D

Redwood City, CA 94063  
Walnut Creek, CA 94598  
Sacramento, CA 95834  
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FAX (707) 792-0342

255325

Gettler-Ryan - Dublin  
6747 Sierra Court, Suite J  
Dublin, CA 94568  
Attention: Clyde Galantine

Client Project ID: Tosco #5325, Oakland  
Sample Descript: Water, W-1  
Analysis Method: See below  
Lab Number: 904-0612

Sampled: Apr 8, 1999 01:00  
Received: Apr 8, 1999 15:55  
Reported: Apr 19, 1999

RECEIVED

APR 23 1999

GETTLER-RYAN INC.

GENERAL CONTRACTORS

## STATIC HAZARDOUS ABBREVIATED SCREEN BIOASSAY

Species: Pimephales promelas

Common Name: Fathead Minnow

Mean length: 28 mm  
Min. length: 25 mm  
Max. length: 30 mm  
Mean weight: 0.28 g  
Min. weight: 0.20 g  
Max. weight: 0.33 g

RECEIVED  
11:28 am, Apr 06, 2009  
Alameda County  
Environmental Health

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

Dilution Water: Synthetic Softwater  
Hardness 40-48

	Alkalinity, mg/L		Hardness, mg/L	
	Initial	Final	Initial	Final
Control	26	29	43	44
750 ppm	26	29	43	43
Duplicate 750 ppm	26	26	43	42

DATE	Initial	24 Hr	48 Hr	72 Hr	96 Hr
	4/9/99	4/10/99	4/11/99	4/12/99	4/13/99

	DO	C	pH	DO	C	pH	# M	DO	C	pH	# M	DO	C	pH	# M	DO	C	pH	# M	Total Dead
	mg/L	Temp	Units	mg/L	Temp	Units	Dead	mg/L	Temp	Units	Dead	mg/L	Temp	Units	Dead	mg/L	Temp	Units	Dead	
Control	9.4	19	7.4	8.2	20	7.4	0	7.3	19	7.3	0	6.7	20	7.2	0	6.3	20	7.1	0	0
750 ppm	9.3	19	7.3	7.3	19	7.3	0	6.0	20	7.2	0	5.5	20	7.1	0	5.0	20	7.3	0	0
250 ppm	9.7	19	7.4	7.4	19	7.3	0	6.6	20	7.2	0	6.2	20	7.2	0	6.4	20	7.3	0	0

### Duplicate

750 ppm	9.4	19	7.4	7.4	19	7.3	0	6.6	20	7.2	0	6.0	20	7.2	0	5.9	20	7.3	0	0
250 ppm	9.3	19	7.4	7.4	19	7.3	0	6.8	20	7.2	0	6.3	20	7.2	0	6.3	20	7.3	0	0

Pass X Fail \_\_\_\_\_

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

Analyst: K. Anderson/  
M. Kosovski

Method Reference: Static Acute Bioassay Procedures for Hazardous Waste Samples,  
November 1988, California Department of Fish and Game WPCL.

SEQUOIA ANALYTICAL, #1271

*Julianne Fegley*  
Julianne Fegley  
Project Manager

Store # 255325 Date: 4-19-99  
Unit # 5325 Code: LAB Color   
Description: FISH BIOASSAY-GW

WESTERN REGION BOX:

#9513



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Kettler-Ryan - Dublin  
6747 Sierra Court, Suite J  
Dublin, CA 94568  
Attention: Clyde Galantine

Client Project ID: Tosco #5325, Oakland  
Sample Descript: Water, W-1  
Analysis Method: EPA 8240  
Lab Number: 904-0612

Sampled: Apr 8, 1999  
Received: Apr 8, 1999  
Analyzed: Apr 13, 1999  
Reported: Apr 19, 1999

## VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone.....	10	45
Benzene.....	2.0	2.3
Bromodichloromethane.....	2.0	N.D.
Bromoform.....	2.0	N.D.
Bromomethane.....	2.0	N.D.
2-Butanone.....	10	N.D.
Carbon disulfide.....	2.0	N.D.
Carbon tetrachloride.....	2.0	N.D.
Chlorobenzene.....	2.0	N.D.
Chloroethane.....	2.0	N.D.
2-Chloroethyl vinyl ether.....	10	N.D.
Chloroform.....	2.0	N.D.
Chloromethane.....	2.0	N.D.
Dibromochloromethane.....	2.0	N.D.
1,1-Dichloroethane.....	2.0	N.D.
1,2-Dichloroethane.....	2.0	N.D.
1,1-Dichloroethene.....	2.0	N.D.
cis-1,2-Dichloroethene.....	2.0	N.D.
trans-1,2-Dichloroethene.....	2.0	N.D.
1,2-Dichloropropane.....	2.0	N.D.
cis-1,3-Dichloropropene.....	2.0	N.D.
trans-1,3-Dichloropropene.....	2.0	N.D.
Ethylbenzene.....	2.0	N.D.
2-Hexanone.....	10	N.D.
Methylene chloride.....	5.0	N.D.
4-Methyl-2-pentanone.....	10	N.D.
Styrene.....	2.0	N.D.
1,1,2,2-Tetrachloroethane.....	2.0	N.D.
Tetrachloroethene.....	2.0	N.D.
Toluene.....	2.0	3.1
1,1,1-Trichloroethane.....	2.0	N.D.
1,1,2-Trichloroethane.....	2.0	N.D.
Trichloroethene.....	2.0	N.D.
Trichlorofluoromethane.....	2.0	N.D.

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



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Attler-Ryan - Dublin  
6747 Sierra Court, Suite J  
Dublin, CA 94568  
Attention: Clyde Galantine

Client Project ID: Tosco #5325, Oakland  
Sample Descript: Water, W-1  
Analysis Method: EPA 8240  
Lab Number: 904-0612

Sampled: Apr 8, 1999  
Received: Apr 8, 1999  
Analyzed: Apr 13, 1999  
Reported: Apr 19, 1999

## VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Vinyl acetate.....	2.0	N.D.
Vinyl chloride.....	2.0	N.D.
Total Xylenes.....	2.0	33
<b>Surrogates</b>	<b>Control Limit %</b>	<b>% Recovery</b>
1,2-Dichloroethane-d4.....	50	150..... 96
Toluene-d8.....	50	150..... 99
4-Bromofluorobenzene.....	50	150..... 101

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

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Julianne Fegley  
Project Manager



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6747 Sierra Court, Suite J  
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Attention: Clyde Galantine

Client Project ID: Tosco #5325, Oakland  
Sample Descript: Water, W-1  
Lab Number: 904-0612

Sampled: Apr 8, 1999  
Received: Apr 8, 1999  
Digested: Apr 12-13, 1999  
Analyzed: Apr 13-14, 1999  
Reported: Apr 19, 1999

## CAM 17 METALS

Analyte	Detection Limit mg/L	Sample Results mg/L
Antimony.....	0.10	N.D.
Arsenic.....	0.10	N.D.
Barium.....	0.010	0.034
Beryllium.....	0.010	N.D.
Cadmium.....	0.010	N.D.
Chromium (III).....	0.010	N.D.
Cobalt.....	0.010	N.D.
Copper.....	0.010	N.D.
Lead.....	0.020	N.D.
Mercury.....	0.00020	N.D.
Molybdenum.....	0.010	0.039
Nickel.....	0.020	0.047
Selenium.....	0.10	N.D.
Silver.....	0.010	N.D.
Sodium.....	0.10	N.D.
Vanadium.....	0.010	N.D.
Zinc.....	0.020	0.035

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Attention: Clyde Galantine

Client Project ID: Tosco #5325, Oakland  
Sample Descript: Water, W-1  
Lab Number: 904-0612

Sampled: Apr 8, 1999  
Received: Apr 8, 1999  
Analyzed: Apr 8-15, 1999  
Reported: Apr 19, 1999

## LABORATORY ANALYSIS

Analyte	Detection Limit mg/L	Sample Results mg/L
pH (pH Units).....	N/A	8.0
Sulfide.....	0.10	N.D.
Total Cyanide.....	0.010	N.D.

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

SEQUOIA ANALYTICAL, #1271  
& #2245

*Julianne Fegley*  
Julianne Fegley  
Project Manager



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Wattler-Ryan - Dublin  
6747 Sierra Court, Suite J  
Dublin, CA 94568  
Attention: Clyde Galantine

Client Project ID: Tosco #5325, Oakland  
Matrix: Liquid

QC Sample Group: 904-0612

Reported: Apr 19, 1999

## QUALITY CONTROL DATA REPORT

ANALYTE	1,1-Dichloroethene	Trichloroethene	Benzene	Toluene	Chloro-benzene
Method:	EPA 8240	EPA 8240	EPA 8240	EPA 8240	EPA 8240
Analyst:	N. Nelson	N. Nelson	N. Nelson	N. Nelson	N. Nelson

MS/MSD					
Batch#:	9040244	9040244	9040244	9040244	9040244
Date Prepared:	4/13/99	4/13/99	4/13/99	4/13/99	4/13/99
Date Analyzed:	4/13/99	4/13/99	4/13/99	4/13/99	4/13/99
Instrument I.D.#:	GC/MS 2	GC/MS 2	GC/MS 2	GC/MS 2	GC/MS 2
Conc. Spiked:	50 µg/L	50 µg/L	50 µg/L	50 µg/L	50 µg/L
Matrix Spike					
% Recovery:	98	114	112	116	118
Matrix Spike Duplicate %					
Recovery:	102	118	118	118	120
Relative % Difference:	4.0	3.4	5.2	1.7	1.7

LCS Batch#:	LCS041399	LCS041399	LCS041399	LCS041399	LCS041399
Date Prepared:	4/13/99	4/13/99	4/13/99	4/13/99	4/13/99
Date Analyzed:	4/13/99	4/13/99	4/13/99	4/13/99	4/13/99
Instrument I.D.#:	GC/MS 2	GC/MS 2	GC/MS 2	GC/MS 2	GC/MS 2
LCS % Recovery:	88	104	102	104	102

% Recovery Control Limits:	65-135	70-130	70-130	70-130	70-130
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**Please Note:**

The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

SEQUOIA ANALYTICAL, #1271

*Julianne Fegley*  
Julianne Fegley  
Project Manager



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Settler-Ryan - Dublin  
6747 Sierra Court, Suite J  
Dublin, CA 94568  
Attention: Clyde Galantine

Client Project ID: Tosco #5325, Oakland  
Matrix: Liquid

QC Sample Group: 904-0612

Reported: Apr 19, 1999

## QUALITY CONTROL DATA REPORT

ANALYTE	Chromium	Cadmium	Copper	Nickel	Lead	Zinc	Silver
<b>Method:</b>	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7
<b>Analyst:</b>	J. Kelly	J. Kelly	J. Kelly	J. Kelly	J. Kelly	J. Kelly	J. Kelly

MS/MSD	Chromium	Cadmium	Copper	Nickel	Lead	Zinc	Silver
<b>Batch#:</b>	9040700	9040700	9040700	9040700	9040700	9040700	9040700
<b>Date Prepared:</b>	4/12/99	4/12/99	4/12/99	4/12/99	4/12/99	4/12/99	4/12/99
<b>Date Analyzed:</b>	4/12/99	4/12/99	4/12/99	4/12/99	4/12/99	4/12/99	4/12/99
<b>Instrument I.D.#:</b>	MV-4	MV-4	MV-4	MV-4	MV-4	MV-4	MV-4
<b>Conc. Spiked:</b>	1.0 mg/L	1.0 mg/L	1.0 mg/L	1.0 mg/L	1.0 mg/L	1.0 mg/L	1.0 mg/L
<b>Matrix Spike % Recovery:</b>	97	110	103	1.2	100	0	98
<b>Matrix Spike Duplicate % Recovery:</b>	107	110	103	1.2	100	100	98
<b>Relative % Difference:</b>	7.4	0.0	0.0	0.0	0.0	6.9	0.0

LCS Batch#:	LCS041299	LCS041299	LCS041299	LCS041299	LCS041299	LCS041299	LCS041299
<b>Date Prepared:</b>	4/12/99	4/12/99	4/12/99	4/12/99	4/12/99	4/12/99	4/12/99
<b>Date Analyzed:</b>	4/13/99	4/13/99	4/13/99	4/13/99	4/13/99	4/13/99	4/13/99
<b>Instrument I.D.#:</b>	MV-4	MV-4	MV-4	MV-4	MV-4	MV-4	MV-4
<b>LCS % Recovery:</b>	100	100	99	100	100	100	100

% Recovery Control Limits:	Chromium	Cadmium	Copper	Nickel	Lead	Zinc	Silver
	80-120	80-120	80-120	80-120	80-120	80-120	80-120

**Please Note:**

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SEQUOIA ANALYTICAL, #1271

Julianne Fegley  
Project Manager



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Kettler-Ryan - Dublin  
6747 Sierra Court, Suite J  
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Attention: Clyde Galantine

Client Project ID: Tosco #5325, Oakland  
Matrix: Liquid

QC Sample Group: 904-0612

Reported: Apr 19, 1999

## QUALITY CONTROL DATA REPORT

ANALYTE	Arsenic	Total Cyanide
<b>Method:</b>	EPA 200.7	EPA 335.2
<b>Analyst:</b>	J. Kelly	Petaluma

<b>MS/MSD</b>		
<b>Batch#:</b>	9040700	P904201-01
<b>Date Prepared:</b>	4/12/99	4/12/99
<b>Date Analyzed:</b>	4/12/99	4/13/99
<b>Instrument I.D.#:</b>	MV-4	-
<b>Conc. Spiked:</b>	1.0 mg/L	0.20 mg/L
<b>Matrix Spike</b>		
<b>% Recovery:</b>	91	96
<b>Matrix Spike Duplicate % Recovery:</b>	91	97
<b>Relative % Difference:</b>	0.0	1.0

<b>LCS Batch#:</b>	LCS041299	LCS041399
<b>Date Prepared:</b>	4/12/99	4/13/99
<b>Date Analyzed:</b>	4/13/99	4/13/99
<b>Instrument I.D.#:</b>	MV-4	-
<b>LCS % Recovery:</b>	100	96

<b>% Recovery Control Limits:</b>	80-120	80-120	80-120
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**Please Note:**

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SEQUOIA ANALYTICAL, #1271 & #2245

*Julianne Fegley*  
Julianne Fegley  
Project Manager





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Attention: Clyde Galantine

Client Project ID: Tosco #5325, Oakland  
Matrix: Liquid

QC Sample Group: 904-0612

Reported: Apr 19, 1999

## QUALITY CONTROL DATA REPORT

ANALYTE	pH
Method:	EPA 150.1
Analyst:	K. Anderson

Date Analyzed: 4/8/99

Instrument I.D.#: INPH-1

Sample #: 9040612

Sample Concentration: 8.0 pH Units

Sample Duplicate Concentration: 8.0 pH Units

RPD: 0.0

RPD Control Limits: 0-30

SEQUOIA ANALYTICAL, #1271

Julianna Fegley  
Project Manager

# Chain-of-Custody-Record



Tosco Marketing Company  
2525 Deer Canyon Pl., Box 408  
San Ramon, California 94583

Facility Number 5325  
Facility Address Lakeshore Ave Oakland  
Consultant Project Number 140123.02  
Consultant Name Gettler-Ryan  
Address 6747 Sierra Ct Suite J Dublin CA 94568  
Project Contact (Name) Clyde Galantine  
(Phone) (925) 551-7555 (Fax Number) (925) 551-7888

Contact (Name) Dave DeW.  
(Phone) (925) 277-2384  
Laboratory Name Sequoia WC  
Laboratory Release Number \_\_\_\_\_  
Samples Collected by (Name) Clyde Galantine  
Collection Date 4/8/99 9504196  
Signature Clyde Galantine

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Lead (Yes or No)	Analyses To Be Performed													Remarks		
								TPH Gas + STEC w/MTBE (8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd, Cr, Pb, Zn, Ni (NDP or AA)	96hr 500ml Fish Bioassay	pH	CAm17 Metals	Total Cyanide	Total Sulfide			
W-1		8	W	G	1:02		Y											X	X	X	X	X	9040612 A-H

DO NOT BILL  
TB-LB ANALYSIS

Relinquished By (Signature) <u>[Signature]</u>	Organization <u>G-R Inc.</u>	Date/Time <u>4/8/99 15:55</u>	Received By (Signature) _____	Organization _____	Date/Time _____
Relinquished By (Signature) _____	Organization _____	Date/Time _____	Received By (Signature) _____	Organization _____	Date/Time _____
Relinquished By (Signature) _____	Organization _____	Date/Time _____	Received For Laboratory By (Signature) <u>[Signature]</u>	Date/Time <u>4/8/99 15:55</u>	

Turn Around Time (Circle Choice)

24 Hrs.  
48 Hrs.  
**6 Days**  
10 Days  
As Contracted

# 180061



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Gettler-Ryan - Dublin  
6747 Sierra Court, Suite J  
Dublin, CA 94568  
Attention: Clyde Galantine

Client Project ID: Tosco #5325, Oakland  
Sample Descript: Water, W-2  
Analysis Method: EPA 8260  
Lab Number: 904-0870

Sampled: Apr 12, 1999  
Received: Apr 12, 1999  
Analyzed: Apr 13, 1999  
Reported: Apr 20, 1999

RECEIVED  
APR 29 1999

**BTEX WITH MTBE**  
GETTLER-RYAN INC.  
GENERAL CONTRACTORS

Analyte	Detection Limit µg/L	Sample Results µg/L	
Benzene.....	2.0	N.D.	
Ethyl Benzene.....	2.0	N.D.	
Toluene.....	2.0	N.D.	
Total Xylene.....	2.0	N.D.	
MTBE.....	2.0	55,000	
<b>Surrogates</b>	<b>Control Limit %</b>	<b>% Recovery</b>	
Dibromofluoromethane.....	50	150	94
Toluene-d8.....	50	150	99
4-Bromofluorobenzene.....	50	150	100

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

SEQUOIA ANALYTICAL, #1271

*Julianne Fegley*  
Julianne Fegley  
Project Manager



**Sequoia  
Analytical**

680 Chesapeake Drive  
404 N. Wiget Lane  
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Gettler-Ryan - Dublin  
6747 Sierra Court, Suite J  
Dublin, CA 94568  
Attention: Clyde Galantine

Client Project ID: **Tosco #5325, Oakland**  
Sample Descript: **Water, W-2**  
Lab Number: **904-0870**

Sampled: **Apr 12, 1999**  
Received: **Apr 12, 1999**  
Analyzed: **Apr 12-14, 1999**  
Reported: **Apr 20, 1999**

**CORROSIVITY AND IGNITABILITY**

Analyte	Sample Results
Corrosivity: pH.....	7.3
Ignitability: Flashpoint (Pensky-Martens), °C.....	> 95

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

SEQUOIA ANALYTICAL, #1271  
*Julianne Fegley*  
Julianne Fegley  
Project Manager



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Gettler-Ryan - Dublin  
6747 Sierra Court, Suite J  
Dublin, CA 94568  
Attention: Clyde Galantine

Client Project ID: Tosco #5325, Oakland  
Sample Descript: Water, W-2  
Lab Number: 904-0870

Sampled: Apr 12, 1999  
Received: Apr 12, 1999  
Analyzed: Apr 14-15, 1999  
Reported: Apr 20, 1999

## REACTIVITY

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Reactivity:		
Sulfide, mg/kg.....	5.0	N.D.
Cyanide, mg/kg.....	1.0	N.D.
Reaction with water.....	N.A.	N.D.

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

SEQUOIA ANALYTICAL, #2245

Julianne Fegley  
Project Manager



# Sequoia Analytical

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Gettler-Ryan - Dublin  
6747 Sierra Court, Suite J  
Dublin, CA 94568  
Attention: Clyde Galantine

Client Project ID: **Tosco #5325, Oakland**  
Matrix: **Liquid**

QC Sample Group: 904-0870

Reported: Apr 20, 1999

## QUALITY CONTROL DATA REPORT

ANALYTE	1,1-Dichloroethene	Trichloroethene	Benzene	Toluene	Chloro-benzene	MTBE
<b>Method:</b>	EPA 8260	EPA 8260	EPA 8260	EPA 8260	EPA 8260	EPA 8260
<b>Analyst:</b>	N. Nelson	N. Nelson	N. Nelson	N. Nelson	N. Nelson	N. Nelson

MS/MSD	1,1-Dichloroethene	Trichloroethene	Benzene	Toluene	Chloro-benzene	MTBE
<b>Batch#:</b>	9040244	9040244	9040244	9040244	9040244	9040244
<b>Date Prepared:</b>	4/13/99	4/13/99	4/13/99	4/13/99	4/13/99	4/13/99
<b>Date Analyzed:</b>	4/13/99	4/13/99	4/13/99	4/13/99	4/13/99	4/13/99
<b>Instrument I.D.#:</b>	GC/MS 2	GC/MS 2	GC/MS 2	GC/MS 2	GC/MS 2	GC/MS 2
<b>Conc. Spiked:</b>	50 µg/L	50 µg/L	50 µg/L	50 µg/L	50 µg/L	50 µg/L
<b>Matrix Spike % Recovery:</b>	98	114	112	116	118	96
<b>Matrix Spike Duplicate % Recovery:</b>	102	118	118	118	120	130
<b>Relative % Difference:</b>	4.0	3.4	5.2	1.7	1.7	30

LCS Batch#:	LCS041399	LCS041399	LCS041399	LCS041399	LCS041399	LCS041399
<b>Date Prepared:</b>	4/13/99	4/13/99	4/13/99	4/13/99	4/13/99	4/13/99
<b>Date Analyzed:</b>	4/13/99	4/13/99	4/13/99	4/13/99	4/13/99	4/13/99
<b>Instrument I.D.#:</b>	GC/MS 2	GC/MS 2	GC/MS 2	GC/MS 2	GC/MS 2	GC/MS 2
<b>LCS % Recovery:</b>	88	104	102	104	102	90

% Recovery Control Limits:	65-135	70-130	70-130	70-130	70-130	70-130

**Please Note:**

The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

SEQUOIA ANALYTICAL, #1271

Julianne Fegley  
Project Manager



# Sequoia Analytical

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Gettler-Ryan - Dublin  
6747 Sierra Court, Suite J  
Dublin, CA 94568  
Attention: Clyde Galantine

Client Project ID: **Tosco #5325, Oakland**  
Matrix: **Liquid**

QC Sample Group: 904-0870

Reported: Apr 20, 1999

## QUALITY CONTROL DATA REPORT

<b>ANALYTE</b>	Reactive Cyanide	Reactive Sulfide
<b>Method:</b>	SW846	SW846
<b>Analyst:</b>	Petaluma	Petaluma

<b>MS/MSD</b>		
Batch#:	-	-
Date Prepared:	-	-
Date Analyzed:	-	-
Instrument I.D.#:	-	-
Conc. Spiked:	-	-
<b>Matrix Spike</b>		
% Recovery:	-	-
<b>Matrix Spike Duplicate %</b>		
Recovery:	-	-
<b>Relative % Difference:</b>	-	-

<b>LCS Batch#:</b>	LCS041499	LCS041499
Date Prepared:	4/14/99	4/14/99
Date Analyzed:	4/15/99	4/14/99
Instrument I.D.#:	-	-
<b>LCS % Recovery:</b>	10	84

<b>% Recovery Control Limits:</b>	5.0-120	10-120
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**Please Note:**

The LCS is a control sample of known, interferred free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

SEQUOIA ANALYTICAL, #2245

*Julianne Fegley*  
Julianne Fegley  
Project Manager



# Sequoia Analytical

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Gettler-Ryan - Dublin  
6747 Sierra Court, Suite J  
Dublin, CA 94568  
Attention: Clyde Galantine

Client Project ID: Tosco #5325, Oakland  
Matrix: Liquid

QC Sample Group: 904-0870

Reported: Apr 20, 1999

## QUALITY CONTROL DATA REPORT

ANALYTE	pH	Ignitability
<b>Method:</b>	EPA 150.1	EPA 1010
<b>Analyst:</b>	K. Anderson	M. Kosovski

**Date Analyzed:** 4/12/99 4/14/99

**Instrument I.D.#:** INPH-1 Manual

**Sample #:** 9040810 9040870

**Sample Concentration:** 6.6 pH Units > 95° C

**Sample Duplicate Concentration:** 6.6 pH Units > 95° C

**RPD:** 0.0 0.0

**RPD Control Limits:** 0-30 0-30

SEQUOIA ANALYTICAL, #1271

Julianne Fegley  
Project Manager





Tosco Marketing Company  
8000 Olive Canyon Pl., Box 400  
San Ramon, California 94583

Facility Number # 5325  
 Facility Address 3220 Lakeshore Ave Oakland  
 Consultant Project Number 140123.02  
 Consultant Name Gottler-Ryan  
 Address 6747 Sierra Ct Suite J Dublin CA 94568  
 Project Contact (Name) Clyde Galantine  
 (Phone) (925) 551-7555 (Fax Number) (925) 551-7888

Contact (Name) Dave DeWitt  
 (Phone) (925) 277-2384  
 Laboratory Name Sequoia WC  
 Laboratory Release Number \_\_\_\_\_  
 Samples Collected by (Name) Clyde Galantine  
 Collection Date 4/12/99  
 Signature Clyde Galantine

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iodine (Yes or No)	Analyses To Be Performed															Remarks		
								TPH Gas + BTEX w/MTBE (8016)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (CAP or AA)	BTEX MTBE 8260	PCI	pH							
<u>W-2</u>		<u>4 W</u>	<u>W</u>	<u>G</u>	<u>7:30</u>		<u>Y</u>												<u>X</u>	<u>X</u>	<u>X</u>	<u>990426</u>	<u>9040870 A-D</u>		

DO NOT BILL  
FB-LB ANALYSIS

Relinquished By (Signature) <u>Clyde Galantine</u>	Organization <u>G-R Inc.</u>	Date/Time <u>4/12/99 8:30</u>	Received By (Signature) <u>David DeWitt</u>	Organization <u>WC Seg</u>	Date/Time <u>4/12/99 1600</u>	Turn Around Time (Circle Choice)  <input type="radio"/> 24 Hrs. <input checked="" type="radio"/> 48 Hrs. <input type="radio"/> 5 Days <input type="radio"/> 10 Days <input type="radio"/> As Contracted
Relinquished By (Signature) <u>David DeWitt</u>	Organization <u>wc seg</u>	Date/Time <u>4/12/99 1605</u>	Received By (Signature) _____	Organization _____	Date/Time _____	
Relinquished By (Signature) _____	Organization _____	Date/Time _____	Received For Laboratory By (Signature) <u>David DeWitt</u>	Organization _____	Date/Time <u>4/12/99 16:05</u>	