



# GETTLER-RYAN Inc.

ENVIRONMENTAL  
PROTECTION  
99 SEP -7 PM 4:25

## TRANSMITTAL

TO: Ms. Juliet Shin  
Alameda County Dept. of Envir. Health  
1131 Harbor Bay Pkwy., Suite 250  
Alameda, California 94502-6577

DATE: September 3, 1999  
PROJ. #: 140165.06  
SUBJECT: Former Tosco76 No. 1871  
96 MacArthur Boulevard,  
Oakland, CA

FROM: Haig Kevork  
Gettler-Ryan Inc.  
6747 Sierra Court, Suite J  
Dublin, California 94568

### WE ARE SENDING YOU:

COPIES	DATED	DESCRIPTION
1	September 3, 1999	Soil Sampling and Disposal Report

THESE ARE TRANSMITTED as checked below:

- For review and comment     Approved as submitted     Resubmit \_\_ copies for approval
- As requested     Approved as noted     Submit \_\_ copies for distribution
- For approval     Return for corrections     Return \_\_ corrected prints
- For Your Files

### COMMENTS:

At the request of Tosco Marketing Company, we are sending one copy of the above referenced report for your files. If you have any questions or comments, please call me at (925) 551-7444, ext. 172.

cc: Mr. David B. De Witt, Tosco Marketing Company



# GETTLER-RYAN Inc.

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September 3, 1999

Mr. David B. De Witt  
Tosco Marketing Company  
2000 Crow Canyon Place, Suite 400  
San Ramon, California 94583

**Subject: Soil Sampling and Disposal Associated with New Quik Stop Construction at Former Tosco 76 Service Station # 1871, 96 MacArthur Boulevard, Oakland, California.**

Dear Mr. De Witt:

At the request of Tosco Marketing Company, Gettler-Ryan Inc. (GR) has prepared this letter to document the disposal of soil generated during the recent new Quik Stop construction activities performed by Paradiso Mechanical, Inc. (Paradiso) of San Leandro, California. All soil samples collected during these construction activities were delivered under chain-of-custody to Sequoia Analytical Laboratory in Walnut Creek and Petaluma, California. Analytical methods and results are summarized in Table 1. Copies of the laboratory analytical reports and chain-of-custody records are attached.

On August 2, 1999, prior to new gasoline underground storage tank (UST) excavation activities, GR personnel collected eight composite soil samples (for an estimated 650 cubic yards of soil to be generated), labeled Comp-1(7), Comp-1(12), Comp-2(5), Comp-2(6-10), Comp-3(7), Comp-3(12), Comp-4(8), and Comp-4(12), from potholes in the vicinity of the new gasoline USTs for soil disposal characterization. The soil samples were collected at depths ranging between 5 and 12 feet below ground surface (bgs).

All eight composite soil samples were analyzed for Total Petroleum Hydrocarbons as gasoline (TPHg), benzene, toluene, ethylbenzene, and xylenes (BTEX), Methyl tert-Butyl Ether (MtBE), and total lead. In addition, soil samples Comp-2(5), Comp-4(8) and Comp-4(12) were also analyzed for STLC lead. The analytical results for all composite soil samples were within limits acceptable to the landfill. Analytical results are summarized in Table 1.

On August 6, 1999, the new gasoline UST pit was excavated over an area of approximately 44 feet by 22 feet, and to a depth of approximately 13 feet bgs. Excavated soil from each area was stockpiled separately on-site for further disposition. Three additional composite soil samples (Comp-A, Comp-B and Comp-C) were collected from the stockpiled soil for total lead analysis


140165.06

confirmation as required by the landfill. Soil sample locations are shown on the attached Figure 2. Based upon the analytical results, Forward, Inc. issued approval No. 866100 for disposal of the stockpiled soil represented by five composite soil samples Comp-1(7), Comp-1(12), Comp-2(5), Comp-3(7), and Comp-4(8), and approval No. 685822 for disposal of the stockpiled soil represented by three composite soil samples Comp-2(6-10), Comp-3(12) and Comp-4(12).

On August 11, 1999, Denbeste Transportation, Inc. of Windsor, California, transported a total of 874.43 tons of soil (548.48 tons under approval No. 866100 for the Quik Stop Markets and 325.95 tons under approval No. 685822 for Tosco Marketing Company) to the Forward, Inc. disposal facility in Manteca, California, for disposal.

If you have any questions, please call me in our Dublin office at (925) 551-7444, ext. 172.

Sincerely,  
Gettler-Ryan Inc.

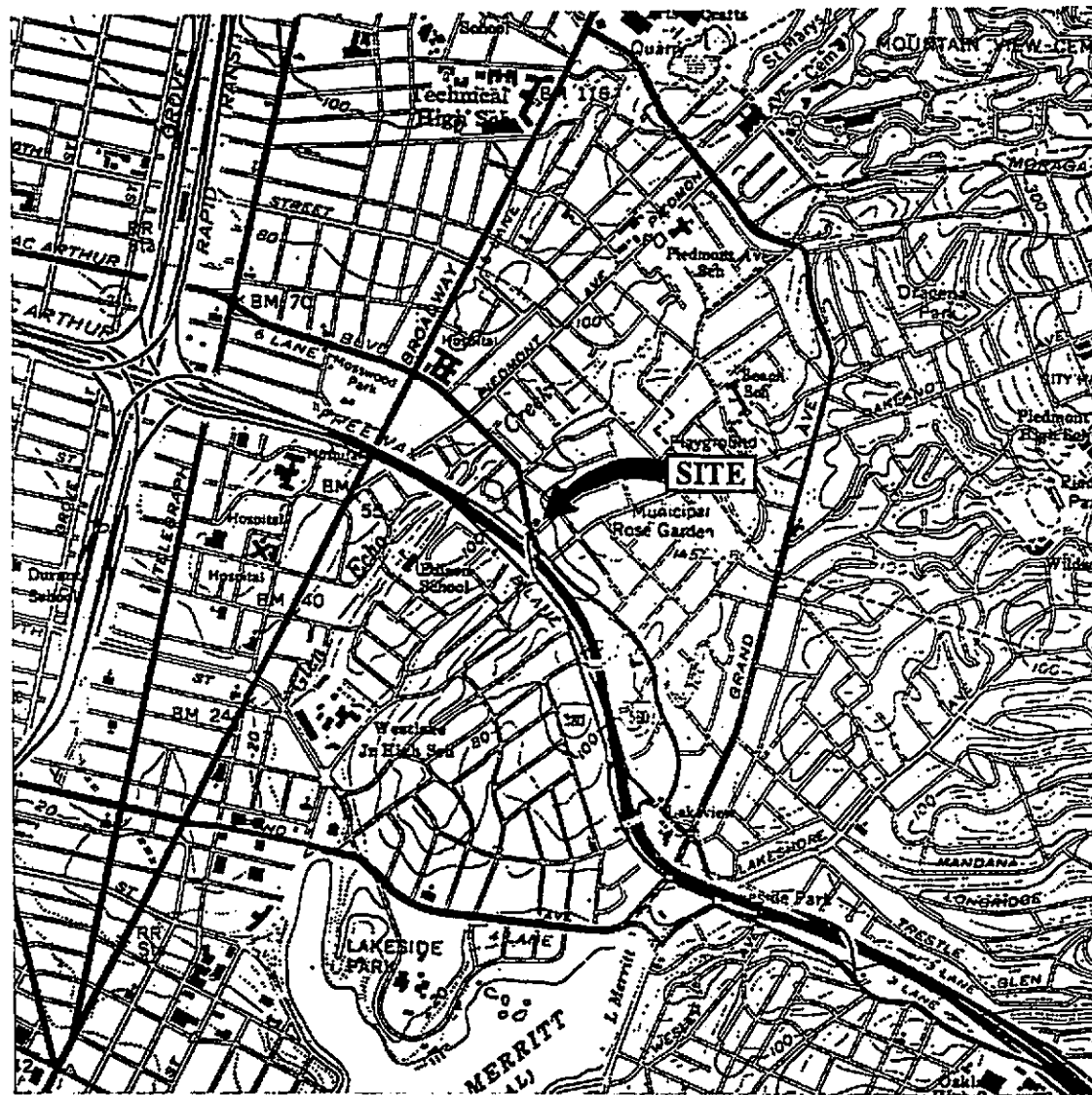


Hagop Kevork  
Civil Engineer  
P.E. C55734

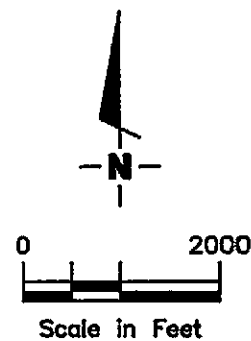
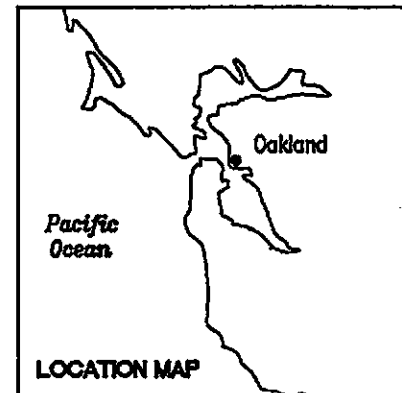


- Attachments: Figure 1. Vicinity Map  
Figure 2. Site Plan/Soil sample Location Map  
Table 1. Soil Chemical Analytical Data  
Soil Disposal Documentation  
GR Field Methods and Procedures  
Laboratory Analytical Reports and Chain-of-Custody Records

cc: Ms. Juliet Shin, Alameda County Environmental Health  
Mr. Mike Karvelot, Quik Stop Markets, Inc.  
Ms. Barbara Bee, Property Owner



Base Map: USGS Topographic Map



**Gettler - Ryan Inc.**

6747 Sierra Ct., Suite J (925) 551-7555  
Dublin, CA 94568

**VICINITY MAP**

Former Tosco Service Station No. 1871  
96 MacArthur Boulevard  
Oakland, California

FIGURE

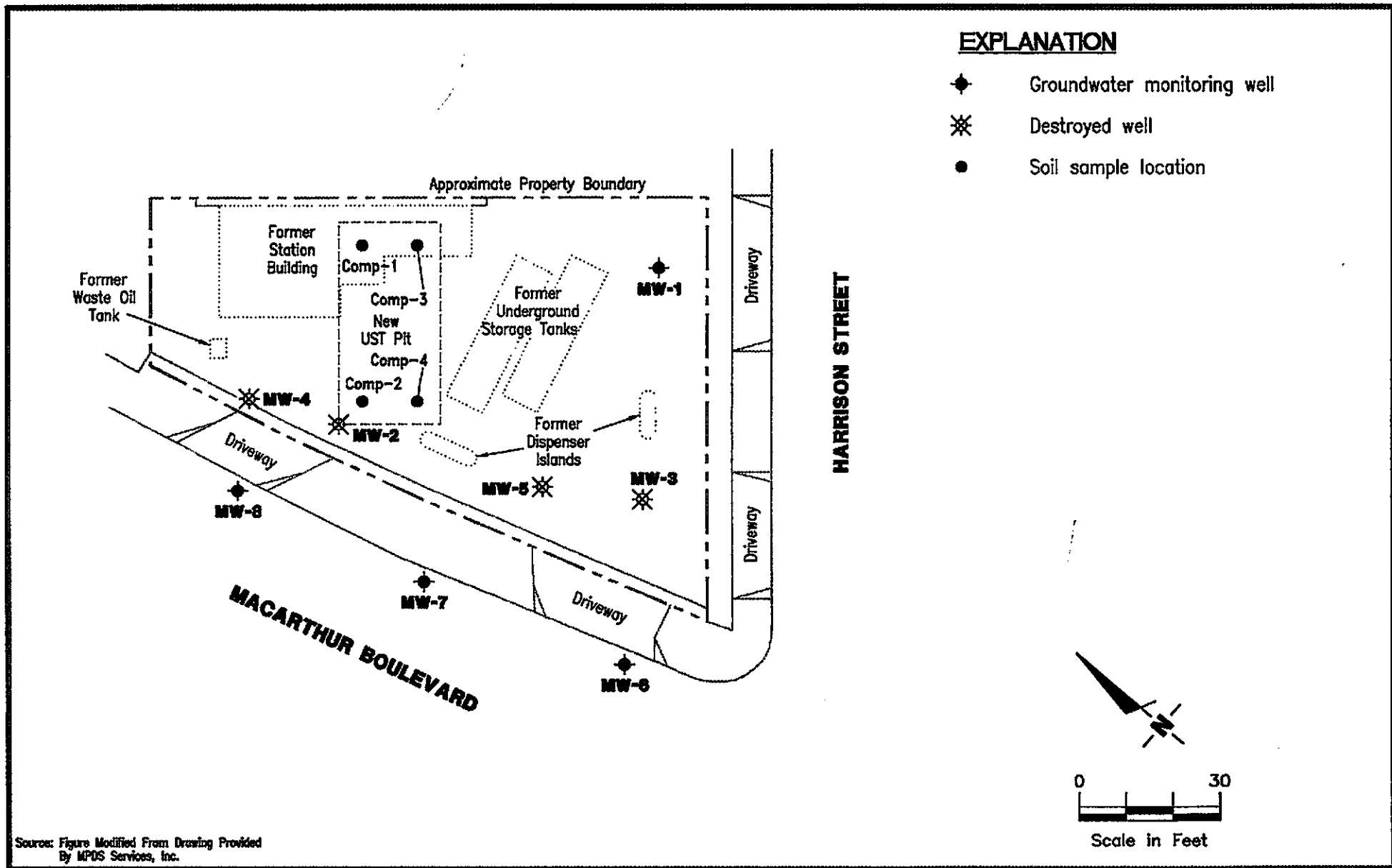
**1**

JOB NUMBER  
140165

REVIEWED BY

DATE  
July, 1998

REVISED DATE



Source: Figure Modified From Drawing Provided By MPDS Services, Inc.



**Gettler - Ryan Inc.**

6747 Sierra Ct., Suite J (925) 551-7555  
Dublin, CA 94568

**SITE PLAN/SOIL SAMPLE LOCATION MAP**  
Former Tosco Service Station No. 1871  
96 MacArthur Boulevard  
Oakland, California

FIGURE

**2**

JOB NUMBER  
140165.06

REVIEWED BY

DATE  
08/99

REVISED DATE

**Table 1 - Soil Chemical Analytical Data**

Former Tosco 76 Branded Facility No. 1871

96 MacArthur Boulevard

Oakland, California

Sample ID	Date Collected	TPHg (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl-Benzene (ppm)	Xylenes (ppm)	MtBE 8020 (ppm)	Total Lead (ppm)	STLC Lead (ppm)
<b><u>NEW GASOLINE UST EXCAVATION STOCKPILES</u></b>									
Comp-1(7)	8/2/99	ND	ND	ND	ND	ND	ND	17	NR
Comp-1(12)	8/2/99	ND	ND	ND	ND	ND	ND	30	NR
Comp-2(5)	8/2/99	ND	ND	ND	ND	ND	ND	82	0.52
Comp-2(6-10)	8/2/99	ND	ND	ND	ND	ND	1	29	NR
Comp-3(7)	8/2/99	ND	ND	ND	ND	ND	ND	32	NR
Comp-3(12)	8/2/99	5.2 <sup>1</sup>	ND	0.0064	0.009	0.0	ND	37	NR
Comp-4(8)	8/2/99	ND	ND	ND	ND	ND	ND	57	0.37
Comp-4(12)	8/2/99	180	0.15	1.3	2.6	17	0.81	63	0.47
Comp-A	8/6/99	NR	NR	NR	NR	NR	NR	ND	NR
Comp-B	8/6/99	NR	NR	NR	NR	NR	NR	8.24	NR
Comp-C	8/6/99	NR	NR	NR	NR	NR	NR	ND	NR

**EXPLANATION:**

ND = none detected

ppm = parts per million

NR = analysis not requested

**ANALYTICAL LABORATORY:**

Sequoia Analytical

## **Table 1 - Soil Chemical Analytical Data**

Former Tosco 76 Branded Facility No. 1871

96 MacArthur Boulevard

Oakland, California

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### **ANALYTICAL METHODS:**

TPHg = Total Petroleum Hydrocarbons as gasoline according to EPA Method 5030/8015 Modified.

BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes according to EPA Method 8020.

MtBE = Methyl tert-Butyl Ether according to EPA Method 8020.

Total Lead and STLC Lead = EPA 6000/7000 Series Methods.

### **NOTES:**

<sup>1</sup> = Laboratory reports indicate gasoline and unidentified hydrocarbons >C10.

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**FORWARD**  
INCORPORATED

P.O. Box 6336  
1145 W. Charter Way • Stockton, CA 32506  
(209) 466-4482 • (800) 204-4242 • FAX (209) 466-1067

Sent Via Fax (925) 551-7888

August 19, 1999

Gettler-Ryan, Inc.  
6747 Sierra Court, Suite J  
Dublin, CA 94568

Attention: Haig Kevork

RE: **FORWARD, INC.** Approval No. 866100  
Hydrocarbon Contaminated Soil from 96 MacArthur Blvd

Dear Mr. Kevork:

**FORWARD, INC.** is pleased to confirm the disposal of 548.48 tons of material from the referenced site. The material was received at our Manteca, California facility on August 11, 1999. The waste was placed in a Class II waste management unit.

Approval for this material was based on the information provided in the waste profile and associated materials submitted by Gettler-Ryan, Inc. dated August 9, 1999 on behalf of the Quik Stop Markets. Acceptance of the waste is subject to the "Terms and Conditions" agreed to and signed by in the waste profile.

Thank you for the opportunity to be of service. Should you have any questions regarding this matter, please do not hesitate to contact me or our Customer Service at (800) 204-4242.

Sincerely,

**FORWARD, INC.**

*Brad Bonner/SR*

Brad Bonner  
Sales Manager

BB/sr

RECEIVED  
AUG 21 1999  
GETTLER-RYAN INC.  
GENERAL CONTRACTORS





**FORWARD**  
INCORPORATED

P.O. Box 6336  
1145 W. Charter Way • Stockton, CA 32506  
(209) 466-4482 • (800) 204-4242 • FAX (209) 466-1067

Sent Via Fax (925) 551-7888

April 19, 1998

Gettler-Ryan, Inc.  
6747 Sierra Court, Suite J  
Dublin, CA 94568

Attention: Haig Kevork

RE: **FORWARD, INC.** Approval No. 685822  
Contaminated soil w/Hydrocarbons from Unocal No. 1871, 96 MacArthur Blvd, Oakland

Dear Mr. Kevork:

**FORWARD, INC.** is pleased to confirm the disposal of 325.95 tons of material from the referenced site. The material was received at our Manteca, California facility on August 11, 1999. The waste was placed in a Class II waste management unit.

Approval for this material was based on the information provided in the waste profile and associated materials submitted by Gettler-Ryan, Inc., dated April 15, 1998 on behalf of the Tosco Marketing Company. Acceptance of the waste is subject to the "Terms and Conditions" agreed to and signed by Tosco Marketing in the waste profile.

Thank you for the opportunity to be of service. Should you have any questions regarding this matter, please do not hesitate to contact me or our Customer Service at (800) 204-4242.

Sincerely,

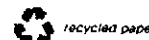
**FORWARD, INC.**

*Brad Bonner /sr*

Brad Bonner  
Sales Manager

BB/sr

F:\FORWARD\MERGE FORMS\CONSULTANT CONFIRMATION OF DISPOSAL



## **GETTLER-RYAN INC.**

### **FIELD METHODS AND PROCEDURES**

#### **Site Safety Plan**

Field work performed by Gettler-Ryan Inc. (GR) is conducted in accordance with GR's Health and Safety Plan and the Site Safety Plan. GR personnel and subcontractors who perform work at the site are briefed on the contents of these plans prior to initiating site work. The GR geologist or engineer at the site when the work is performed acts as the Site Safety Officer. GR utilizes a photoionization detector (PID) to monitor ambient conditions as part of the Health and Safety Plan.

#### **Collection of Samples**

Soil samples are collected from the wall or base of the excavation with a hand-driven sampling device fitted with a 2-inch-diameter, clean brass tube or stainless steel liner. If safety considerations preclude collection of the samples with the drive sampler, the excavating equipment is used to bring soil from the pit wall to the surface, where a sample tube is filled by driving it into the soil in the excavator's bucket. After removal from the sampling device, sample tubes are covered on both ends with teflon sheeting, capped, labeled, and placed in a cooler with blue ice for preservation. A chain-of-custody form is initiated in the field and accompanies the selected soil samples to the analytical laboratory.

If it is necessary to collect a sample of groundwater standing in the UST pit, the sample is collected by lowering a new, clean teflon bailer into the pit from a safe position along the pit wall. Once filled and retrieved, the groundwater in the bailer is carefully decanted into the appropriate containers supplied by the analytical laboratory. If required, preservative is added to the sample bottles by the laboratory prior to delivery. The samples are then labeled and placed in a cooler with blue ice for preservation. A chain-of-custody form is initiated in the field and accompanies the selected soil samples to the analytical laboratory.

#### **Field Screening of Soil Samples**

A PID is used to perform head-space analysis in the field for the presence of organic vapors from soil samples. This test procedure involves placing a small amount of the soil to be screened in a sealable plastic bag. The bag is warmed in the sun to allow organic compounds in the soil sample to volatilize. The PID probe is inserted through the wall of the bag and into the headspace inside, and the meter reading is recorded in the field notes. An alternative method involves placing a plastic cap over the end of the sample tube. The PID probe is placed through a hole in the plastic cap, and vapors with the covered tube measured. Head-space screening is performed and results recorded as reconnaissance data only. GR does not consider field screening techniques to be verification of the presence or absence of hydrocarbons.

### **Storing and Sampling of Soil Stockpiles**

Excavated material is stockpiled on and covered with plastic sheeting. Stockpile samples are collected and analyzed for disposal classification on the basis of one composite sample per 100 cubic yards of soil. Stockpile samples are composed of four discrete soil samples, each collected from an arbitrary location on the stockpile. The four discrete samples are then composited in the laboratory prior to analysis. Each discrete stockpile sample is collected by removing the upper 12 to 18 inches of soil, and then driving the stainless steel or brass sample tube into the stockpiled material with a mallet or drive sampler. The sample tubes are then covered on both ends with teflon sheeting, capped, labeled, and placed in a cooler with blue ice for preservation. A chain-of-custody form is initiated in the field and accompanies the selected soil samples to the analytical laboratory. Stockpiled soils are covered with plastic sheeting after completion of sampling.



# Sequoia Analytical

RECEIVED

404 N. Wiget Lane  
Walnut Creek, CA 94598  
(925) 988-9600  
FAX (925) 988-9673

Gettler-Ryan - Dublin 6747 Sierra Court, Suite J Dublin, CA 94568 Attention: Haig Kevork	Client Project ID: Tosco #1871, Oakland Sample Matrix: Soil Analysis Method: EPA 5030/8015 Mod./8020 First Sample #: 908-0201	Sampled: Aug 2, 1999 Received: Aug 2, 1999 Reported: Aug 5, 1999
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## TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX / MTBE

Analyte	Reporting Limit mg/Kg	Sample I.D. 908-0201 Comp-1(7)	Sample I.D. 908-0202 Comp-1(12)	Sample I.D. 908-0203 Comp-2(5)	Sample I.D. 908-0204 Comp-2 (6-10)	Sample I.D. 908-0205 Comp-3(7)	Sample I.D. 908-0206 Comp-3(12)
Purgeable Hydrocarbons	1.0	N.D.	N.D.	N.D.	N.D.	N.D.	5.2
Benzene	0.0050	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Toluene	0.0050	N.D.	N.D.	N.D.	N.D.	N.D.	0.0064
Ethyl Benzene	0.0050	N.D.	N.D.	N.D.	N.D.	N.D.	0.0090
Total Xylenes	0.0050	N.D.	N.D.	N.D.	N.D.	N.D.	0.033
MTBE	0.050	N.D.	N.D.	N.D.	1.0	N.D.	N.D.

Chromatogram Pattern:                    --                    --                    --                    --                    --                    Gasoline & Unidentified Hydrocarbons >C10

### Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0	1.0	1.0	1.0	1.0
Date Analyzed:	8/4/99	8/4/99	8/4/99	8/4/99	8/4/99	8/4/99
Instrument Identification:	HP-4	HP-4	HP-4	HP-4	HP-4	HP-4
Surrogate Recovery, %: (QC Limits = 40-140%)	75	72	81	78	72	65

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



Gettler-Ryan - Dublin	Client Project ID: Tosco #1871, Oakland	Sampled: Aug 2, 1999
6747 Sierra Court, Suite J	Sample Matrix: Soil	Received: Aug 2, 1999
Dublin, CA 94568	Analysis Method: EPA 5030/8015 Mod./8020	Reported: Aug 5, 1999
Attention: Haig Kevork	First Sample #: 908-0207	

**TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX / MTBE**

Analyte	Reporting Limit mg/Kg	Sample I.D. 908-0207 Comp-4(8)	Sample I.D. 908-0208 Comp-4(12)
Purgeable Hydrocarbons	1.0	N.D.	180
Benzene	0.0050	N.D.	0.15
Toluene	0.0050	N.D.	1.3
Ethyl Benzene	0.0050	N.D.	2.6
Total Xylenes	0.0050	N.D.	17
MTBE	0.050	N.D.	0.81
Chromatogram Pattern:	--	Gasoline	

**Quality Control Data**

Report Limit Multiplication Factor:	1.0	10
Date Analyzed:	8/4/99	8/4/99
Instrument Identification:	HP-4	HP-4
Surrogate Recovery, %: (QC Limits = 40-140%)	73	106

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  
Project Manager



# Sequoia Analytical

404 N. Wiget Lane  
Walnut Creek, CA 94598  
(925) 988-9600  
FAX (925) 988-9673

Gettler-Ryan - Dublin  
6747 Sierra Court, Suite J  
Dublin, CA 94568  
Attention: Haig Kevork

Client Project ID: Tosco #1871, Oakland  
Sample Descript: Soil  
Analysis for: Lead  
First Sample #: 908-0201

Sampled: Aug 2, 1999  
Received: Aug 2, 1999  
Analyzed: Aug 4, 1999  
Reported: Aug 5, 1999

## LABORATORY ANALYSIS FOR: Lead

Sample Number	Sample Description	Detection Limit mg/kg	Sample Result mg/kg
908-0201	Comp-1(7)	10	17
908-0202	Comp-1(12)	10	30
908-0203	Comp-2(5)	10	82
908-0204	Comp-2(6-10)	10	29
908-0205	Comp-3(7)	10	32
908-0206	Comp-3(12)	10	37
908-0207	Comp-4(8)	10	57
908-0208	Comp-4(12)	10	63

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

404 N. Wiget Lane  
Walnut Creek, CA 94598  
(925) 988-9600  
FAX (925) 988-9673

Gettler-Ryan - Dublin  
6747 Sierra Court, Suite J  
Dublin, CA 94568  
Attention: Haig Kevork

Client Project ID: Tosco #1871, Oakland  
Matrix: Solid

QC Sample Group: 9080201-207

Reported: Aug 5, 1999

## QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes	Lead
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 6010
Analyst:	C. Westwater	C. Westwater	C. Westwater	C. Westwater	J. Kelly

MS/MSD Batch#:	90806102	90806102	90806102	90806102	W908020-01
Date Prepared:	8/4/99	8/4/99	8/4/99	8/4/99	8/3/99
Date Analyzed:	8/4/99	8/4/99	8/4/99	8/4/99	8/4/99
Instrument I.D.#:	HP-4	HP-4	HP-4	HP-4	MV-4
Conc. Spiked:	0.80 mg/kg	0.80 mg/kg	0.80 mg/kg	2.4 mg/kg	50 mg/kg
Matrix Spike % Recovery:	100	84	86	96	108
Matrix Spike Duplicate % Recovery:	99	84	88	96	98
Relative % Difference:	1.3	0.0	1.4	0.0	9.7

LCS Batch#:	4LCS080499	4LCS080499	4LCS080499	4LCS080499	9H3003BS1
Date Prepared:	8/4/99	8/4/99	8/4/99	8/4/99	8/3/99
Date Analyzed:	8/4/99	8/4/99	8/4/99	8/4/99	8/4/99
Instrument I.D.#:	HP-4	HP-4	HP-4	HP-4	MV-4
LCS % Recovery:	111	94	96	104	104

% Recovery Control Limits:	50-150	50-150	50-150	50-150	80-120
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SEQUOIA ANALYTICAL, #1271

*Johanne Fegley*  
Johanne Fegley  
Project Manager

**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.

**WORK ORDER**  
**Sequoia Analytical - Walnut Creek**  
**W908020 ✓**

8-5  
A

**Client: Gettler Ryan/Geostrategies - Dublin**  
**Project Tosco** **Project Number: Former Tosco # 1871 .**

**Report To:**  
 Gettler Ryan/Geostrategies - Dublin  
 Haig Kevork  
 6747 Sierra Court Suite J  
 Dublin, CA 94568  
 Phone: 925-551-8777  
 Fax: 925-551-7899

**Invoice To:**  
 Gettler Ryan/Geostrategies - Dublin  
 Accounts Payable  
 6747 Sierra Court Suite J  
 Dublin, CA 94568  
 Phone :925-551-8777  
 Fax: 925-551-7899

**Project Manager:** Julianne Fegley . **Date Due:** 05-Aug-99 17:00 (3 day TAT) ✓  
**Received By:** Ron Jensen . **Date Received:** 02-Aug-99 16:25 ✓  
**Logged In By:** Ron Jensen . **Date Logged In:** 02-Aug-99 18:31

<b>Samples Received at:</b>	6°C
<b>All containers intact:</b>	Yes
<b>Sample labels/COC agree:</b>	Yes
<b>Samples Preserved Properly:</b>	Yes
<b>Custody Seals Present:</b>	No

Analysis	Due	TAT	Expires	Comments
W908020-01 Comp-1 (7)	Soil	Sampled: 02-Aug-99 00:00		Composite 4 into 1.
Pb Total ICP 6010A	05-Aug-99 17:00	3	29-Jan-00 00:00	
TPH-G/B/M ✓	05-Aug-99 17:00	3	16-Aug-99 00:00	
W908020-02 Comp-1 (12)	Soil	Sampled: 02-Aug-99 00:00		Composite 4 into 1.
Pb Total ICP 6010A	05-Aug-99 17:00	3	29-Jan-00 00:00	
TPH-G/B/M ✓	05-Aug-99 17:00	3	16-Aug-99 00:00	
W908020-03 Comp-2 (5)	Soil	Sampled: 02-Aug-99 00:00		Composite 4 into 1.
Pb Total ICP 6010A	05-Aug-99 17:00	3	29-Jan-00 00:00	
TPH-G/B/M ✓	05-Aug-99 17:00	3	16-Aug-99 00:00	
W908020-04 Comp-2 (6-10)	Soil	Sampled: 02-Aug-99 00:00		Composite 4 into 1.
Pb Total ICP 6010A	05-Aug-99 17:00	3	29-Jan-00 00:00	
TPH-G/B/M ✓	05-Aug-99 17:00	3	16-Aug-99 00:00	
W908020-05 Comp-3 (7)	Soil	Sampled: 02-Aug-99 00:00		Composite 4 into 1.
Pb Total ICP 6010A	05-Aug-99 17:00	3	29-Jan-00 00:00	
TPH-G/B/M ✓	05-Aug-99 17:00	3	16-Aug-99 00:00	
W908020-06 Comp-3 (12)	Soil	Sampled: 02-Aug-99 00:00		Composite 4 into 1.
Pb Total ICP 6010A	05-Aug-99 17:00	3	29-Jan-00 00:00	
TPH-G/B/M ✓	05-Aug-99 17:00	3	16-Aug-99 00:00	
W908020-07 Comp-4 (8)	Soil	Sampled: 02-Aug-99 00:00		Composite 4 into 1.
Pb Total ICP 6010A	05-Aug-99 17:00	3	29-Jan-00 00:00	
TPH-G/B/M ✓	05-Aug-99 17:00	3	16-Aug-99 00:00	

Verhals to Haig 8/5/99 11:30  
 Forud Dave Vossler 8/5/99 16:30; Haig 8/5/99 17:30



**WORK ORDER**  
**Sequoia Analytical - Walnut Creek**  
**W908020**

**Client: Gettler Ryan/Geostrategies - Dublin**

**Project Tosco**

**Project Number: Former Tosco # 1871**

<b>Analysis</b>	<b>Due</b>	<b>TAT</b>	<b>Expires</b>	<b>Comments</b>
W908020-08 Comp-4 (12)	Soil		Sampled: 02-Aug-99 00:00	Composite 4 into 1.
Pb Total ICP 6010A	05-Aug-99 17:00	3	29-Jan-00 00:00	
TPH-G/B/M ✓	05-Aug-99 17:00	3	16-Aug-99 00:00	

Reviewed By

*[Handwritten Signature]*

Date

*8/3/99*



# SEQUOIA ANALYTICAL CHAIN OF CUSTODY

- 819 Striker Ave., Suite 8 • Sacramento, CA 95834 • (916) 921-9600 FAX (916) 921-0100
- 404 N. Wiget Lane • Walnut Creek, CA 94598 • (925) 988-9600 FAX (925) 988-9673
- 1455 McDowell Blvd. North, Suite D • Petaluma, CA 94954 • (707) 792-1865 FAX (707) 792-0342
- 1551 Industrial Road • San Carlos, CA 94070 • (650) 232-9600 FAX (650) 232-9612

Company Name: **GETTLER-RYAN INC, #40165** Project Name: **FORMER TOSCO #1871-OAKLAND**  
 Mailing Address: **6747 Sierra Ct, Suite J** Billing Address (if different): **W908020**  
 City: **DUBLIN** State: **CA** Zip Code: **94568** **TOSCO PROJECT MANAGER; DAVE DE WITT**  
 Telephone: **(925) 551-7555** FAX #: **551-7888** P.O. #: **96 MacArthur Blvd.**  
 Report To: **HAIG KEVORK** Sampler: **HAIG KEVORK** QC Data:  Level II (Standard)  Chromatograms  Level III  Level IV

Turnaround  Standard  7 Working Days  2 Working Days  Drinking Water  
 Time: 10-15 Working Days  5 Working Days  1 Working Day  Waste Water  
 3 Working Days  ASAP  Other

Analyses Requested			
TPH-G	BTEX	MTBE	Total Pb

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	TPH-G	BTEX	MTBE	Total Pb	Comments
1. Comp-1 (7)	8/2/99	SOIL	4	BRASS TUBES	OIA-D	✓	✓	✓	✓	
2. Comp-1 (12)			4		02	✓	✓	✓	✓	
3. Comp-2 (5)			4		03	✓	✓	✓	✓	
4. Comp-2 (6-10)			4		04	✓	✓	✓	✓	
5. Comp-3 (7)			4		05	✓	✓	✓	✓	
6. Comp-3 (12)			4		06	✓	✓	✓	✓	
7. Comp-4 (8)			4		07	✓	✓	✓	✓	
8. Comp-4 (12)			4		08	✓	✓	✓	✓	
9.										
10.										

Relinquished By: <i>[Signature]</i>	Date: <b>8/2/99</b>	Time: <b>16:25</b>	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By Lab: <i>[Signature]</i>	Date: <b>8/2/99</b>	Time: <b>16:25</b>



**Sequoia  
Analytical**

404 N. Wiget Lane  
Walnut Creek, CA 94598  
(925) 988-9600  
FAX (925) 988-9673

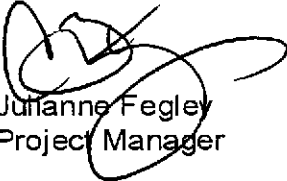
10 August, 1999

Haig Kevork  
Gettler Ryan/Geostrategies - Dublin  
6747 Sierra Court Suite J  
Dublin, CA 94568

RE: Tosco

Enclosed are the results of analyses for samples received by the laboratory on 05-Aug-99 16:20. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

  
Julianne Fegley  
Project Manager

RECEIVED  
AUG 12 1999  
GETTLER RYAN INC.  
DUBLIN, CA 94568



Gettler Ryan/Geostrategies - Dublin  
6747 Sierra Court Suite J  
Dublin, CA 94568

Project: Tosco  
Project Number: Former Tosco # 1871  
Project Manager: Haig Kevork


**Reported:**  
10-Aug-99 15:00

## ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Comp-2 (5)	W908107-01	Soil	02-Aug-99 00:00	05-Aug-99 16:20
Comp-4 (8)	W908107-02	Soil	02-Aug-99 00:00	05-Aug-99 16:20
Comp-4 (12)	W908107-03	Soil	02-Aug-99 00:00	05-Aug-99 16:20

Sequoia Analytical - Walnut Creek

*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.*

  
Julianne Pegley, Project Manager



Gettler Ryan/Geostrategies - Dublin  
6747 Sierra Court Suite J  
Dublin, CA 94568

Project: Tosco  
Project Number: Former Tosco # 1871  
Project Manager: Haig Kevork


**Reported:**  
10-Aug-99 15:00

**STLC CAM Metals by EPA 6000/7000 Series Methods  
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
<b>Comp-2 (5) (W908107-01) Soil    Sampled: 02-Aug-99 00:00    Received: 05-Aug-99 16:20</b>									
Lead	0.52	0.10	mg/l	1	9H06001	05-Aug-99	10-Aug-99	EPA 6010A	
<b>Comp-4 (8) (W908107-02) Soil    Sampled: 02-Aug-99 00:00    Received: 05-Aug-99 16:20</b>									
Lead	0.37	0.10	mg/l	1	9H06001	05-Aug-99	10-Aug-99	EPA 6010A	
<b>Comp-4 (12) (W908107-03) Soil    Sampled: 02-Aug-99 00:00    Received: 05-Aug-99 16:20</b>									
Lead	0.47	0.10	mg/l	1	9H06001	05-Aug-99	10-Aug-99	EPA 6010A	

Sequoia Analytical - Walnut Creek

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Julianne Fegley, Project Manager



Gettler Ryan/Geostrategies - Dublin  
6747 Sierra Court Suite J  
Dublin, CA 94568

Project: Tosco  
Project Number: Former Tosco # 1871  
Project Manager: Haig Kevork

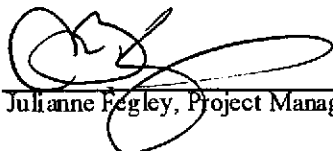
**Reported:**  
10-Aug-99 15:00

**STLC CAM Metals by EPA 6000/7000 Series Methods - Quality Control  
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 9H06001: Prepared 06-Aug-99 Using 6010A/No Digestion</b>										
<b>Blank (9H06001-BLK1)</b>										
Lead	ND	0.10	mg/l							
<b>LCS (9H06001-BS1)</b>										
Lead	10.0	0.10	mg/l	10.0		100	80-120			
<b>Matrix Spike (9H06001-MS1) Source: W908107-01</b>										
Lead	9.40	0.10	mg/l	10.0	0.52	88.8	80-120			
<b>Matrix Spike Dup (9H06001-MSD1) Source: W908107-01</b>										
Lead	9.30	0.10	mg/l	10.0	0.52	87.8	80-120	1.07	20	

Sequoia Analytical - Walnut Creek

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Julianne Hegley, Project Manager



Gettler Ryan/Geostrategies - Dublin  
6747 Sierra Court Suite J  
Dublin, CA 94568

Project: Tosco  
Project Number: Former Tosco # 1871  
Project Manager: Haig Kevork

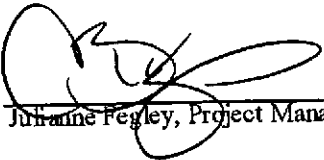
**Reported:**  
10-Aug-99 15:00

## Notes and Definitions

DET Analyte DETECTED  
ND Analyte NOT DETECTED at or above the reporting limit  
NR Not Reported  
dry Sample results reported on a dry weight basis  
RPD Relative Percent Difference

Sequoia Analytical - Walnut Creek

*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.*

  
Julianne Fegley, Project Manager



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  
Petaluma, CA 94954

(650) 364-9600  
(925) 988-9600  
(916) 921-9600  
(707) 792-1865

FAX (650) 364-9233  
FAX (925) 988-9673  
FAX (916) 921-0100  
FAX (707) 792-0342

### REQUEST TO RELOG SAMPLES

(Please submit to sample control with a copy of the COC)

CLIENT: Guthrie Kipman

MATRIX: Soil

**PREVIOUSLY LOGGED SAMPLES**

TAT Change status to: ASAP  
Change status as of Day: 8/5/99 Time: 16:20 W908107

CHANGE ANALYSES

Add Analyses

Cancel Analyses

Sequoia Project ID: W908020

Sample Number	Analyses
<u>01A-D W908020-03</u>	<u>STLC Pb</u>
<u>02A-D W908020-07</u>	<u>STLC Pb</u>
<u>03A-D W908020-08</u>	<u>STLC Pb</u>

**SAMPLES ON HOLD**

Sample Description	Analyses

detec. l...





# SEQUOIA ANALYTICAL CHAIN OF CUSTODY

819 Striker Ave., Suite 8 • Sacramento, CA 95831 • (916) 485-1111  
 404 N. Wiget Lane • Walnut Creek, CA 94598 • (925) 988-9600 FAX (925) 988-9673  
 1455 McDowell Blvd. North, Suite D • Petaluma, CA 94954 • (707) 792-1865 FAX (707) 792-0342  
 1551 Industrial Road • San Carlos, CA 94070 • (650) 232-9600 FAX (650) 232-9612

Company Name: GETTLER-RYAN INC, #140165 Project Name: FORMER TOSCO #1871-OAKLAND  
 Mailing Address: 6747 Sierra City Suite J Billing Address (if different): W908020  
 City: DUBLIN State: CA Zip Code: 94568 TOSCO PROJECT MANAGER; DAVE DE WITT  
 Telephone: (925) 551-7555 FAX #: 551-7888 P.O. #: 96 MacArthur Blvd.  
 Report To: HAIG KEVORK Sampler: HAIG KEVORK QC Data:  Level II (Standard)  Chromatograms  Level III  Level IV

Turnaround  Standard  7 Working Days  2 Working Days  Drinking Water  
 Time:  10-15 Working Days  5 Working Days  1 Working Day  Waste Water  
 3 Working Days  ASAP  Other

Analyses Requested: W908107

TPH-G  
 BTEX  
 MTBE  
 Total Pb

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	TPH-G	BTEX	MTBE	Total Pb	Comments
1. <u>Comp-1(7)</u>	<u>8/2/99</u>	<u>SOIL</u>	<u>4</u>	<u>BRASS TUBES</u>	<u>01A-D</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
2. <u>Comp-1(12)</u>			<u>4</u>		<u>02</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
3. <u>Comp-2(5)</u>			<u>4</u>		<u>03</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
4. <u>Comp-2(6-10)</u>			<u>4</u>		<u>04</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
5. <u>Comp-3(7)</u>			<u>4</u>		<u>05</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
6. <u>Comp-3(12)</u>			<u>4</u>		<u>06</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
7. <u>Comp-4(8)</u>			<u>4</u>		<u>07</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
8. <u>Comp-4(12)</u>			<u>4</u>		<u>08</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
9.										
10.										

Relinquished By: [Signature] Date: 8/2/99 Time: 16:25 Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received By: [Signature] Date: 8/2/99 Time: 16:25  
 Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received By Lab: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_



Gettler - Ryan Inc. 7100 Redwood Blvd. Suite 104 Novato, CA 94945	Project: Tosco - Dave Vossler Project Number: Tosco-Dave Vossler Project Manager: Dave Vossler	Sampled: 8/6/99 Received: 8/6/99 Reported: 8/9/99
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**ANALYTICAL REPORT FOR P908195**

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
Comp-A	P908195-01	Soil	8/6/99
Comp-B	P908195-02	Soil	8/6/99
Comp-C	P908195-03	Soil	8/6/99





Gettler - Ryan Inc. 7100 Redwood Blvd. Suite 104 Novato, CA 94945	Project: Tosco - Dave Vossler Project Number: Tosco-Dave Vossler Project Manager: Dave Vossler	Sampled: 8/6/99 Received: 8/6/99 Reported: 8/9/99
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**Total Metals by EPA 6000/7000 Series Methods/Quality Control  
Sequoia Analytical - Petaluma.**

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
<u>Batch: 9080193</u>	<u>Date Prepared: 8/9/99</u>			<u>Extraction Method: EPA 3050B</u>						
<u>Blank</u>	<u>9080193-BLKI</u>									
Lead	8/9/99			ND	mg/kg	7.50				
<u>LCS</u>	<u>9080193-BS1</u>									
Lead	8/9/99	50.0		51.7	mg/kg	80.0-120	103			
<u>Matrix Spike</u>	<u>9080193-MS1</u>		<u>P908195-01</u>							
Lead	8/9/99	47.2	ND	46.5	mg/kg	75.0-125	98.5			
<u>Matrix Spike Dup</u>	<u>9080193-MSD1</u>		<u>P908195-01</u>							
Lead	8/9/99	42.4	ND	45.6	mg/kg	75.0-125	108	20.0	9.20	





Gettler - Ryan Inc. 7100 Redwood Blvd. Suite 104 Novato, CA 94945	Project: Tosco - Dave Vossler Project Number: Tosco-Dave Vossler Project Manager: Dave Vossler	Sampled: 8/6/99 Received: 8/6/99 Reported: 8/9/99
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**Notes and Definitions**

#	Note
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
Recov.	Recovery
RPD	Relative Percent Difference





# SEQUOIA ANALYTICAL CHAIN OF CUSTODY

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 1551 Industrial Road • San Carlos, CA 94070 • (650) 232-9600 FAX (650) 232-9612

Company Name: <b>GETTLER - RYAN INC. J#140165</b>			Project Name: <b>FORMER TOSCO #18711 - OAKLAND</b>		
Mailing Address: <b>6747 Sierra Ct, Suite J</b>			Billing Address (if different):		
City: <b>DUBLIN</b>	State: <b>CA</b>	Zip Code: <b>94568</b>	Tosco PROJECT MANAGER: <b>DAVE DE WITT</b>		
Telephone: <b>(415) 893-1515</b>		FAX #: <b>(415) 893-1517</b>	P.O. #: <b>96 MACARTHUR BLVD.</b>		
Report To: <b>DAVE VOSSLER</b>			QC Data: <input checked="" type="checkbox"/> Level II (Standard) <input type="checkbox"/> Chromatograms <input type="checkbox"/> Level III <input type="checkbox"/> Level IV		
Sampler: <b>HAIG KEYORK</b>					

Turnaround  Standard  7 Working Days  2 Working Days  Drinking Water  
 Time: 10-15 Working Days  5 Working Days  1 Working Day  Waste Water  
 3 Working Days  ASAP  Other

### Analyses Requested

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	Analyses Requested										Comments		
						Total Lead												
1. <b>Comp-A</b>	<b>8/6/99</b>	<b>SOIL</b>	<b>4</b>	<b>BRASS TUBES</b>	<b>PROS 11</b>	<input checked="" type="checkbox"/>												<b>Comp 4:1</b>
2. <b>Comp-B</b>	↓	↓	<b>4</b>	↓	↓ <b>2</b>	<input checked="" type="checkbox"/>												↓
3. <b>Comp-C</b>	↓	↓	<b>4</b>	↓	↓ <b>3</b>	<input checked="" type="checkbox"/>												↓
4.																		
5.																		
6.																		
7.																		
8.																		
9.																		
10.																		

Relinquished By: <i>[Signature]</i>	Date: <b>8/6/99</b>	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By Lab: <i>[Signature]</i>	Date: <b>8/6/99</b>	Time: <b>17:10</b>

Pink - Client  
 Yellow - Sequoia  
 White - Sequoia