

SECOR *International Incorporated*

1225 Pear Avenue, Suite 110
Mountain View, CA 94043-1431

Telephone (650) 691-0131
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LETTER OF TRANSMITTAL

Circle 2
RECEIVED
FEB 17 PM 3 25
C.D.S.

FEB 15 2002

Subject: TOSCO 7124 **Date:** 4/14/00

Send Via: USPS **For:**

Attn: HERNAN GOMEZ As Requested

Company: CITY OF OAKLAND FIRE SERVICES AGENCY Review

Address: 1605 MARTIN LUTHER KING JR WY Your Information

OAKLAND CA 94612 Approval

Project No. 006.03477.602 **Project Name** TOSCO 7124/LINE PULL Signature

Return

Other

Enclosure(s):	Quantity
REMOVAL & REPLACEMENT OF PRODUCT LINES & DISPENSERS LETTER	1
REPORT	

COMMENTS:

Signature: ROBERT POTTER **Cc:** DAVID DEWITT/TOSCO MKTG CO

Title: PROJECT MANAGER

April 14, 2000
Project No. 006.03477

Inspector Hernan Gomez
City of Oakland Fire Services Agency
1605 Martin Luther King Jr. Way.
Oakland, California 94612

RO-2444

COPY

1/30/02

Requested H. Gomez transfer
side to ACDEH.

Re: Removal and Replacement of Product Lines and Dispensers
Tosco (Unocal) Service Station #7124
10151 East 14th Street
Oakland, California

Dear Inspector Gomez:

SECOR International Incorporated (SECOR) on behalf of Tosco Marketing Company (Tosco) has prepared this letter to document soil sampling activities associated with the removal and replacement of product lines and dispensers at the Tosco (Unocal) Service Station #7124 located at 10151 East 14th Street in Oakland, California (the Site, see Figure 1). In addition to SECOR, these activities were observed by Inspector Hernan Gomez of the City of Oakland Fire Services Agency (OFSA).

Background

The Site is located at the intersection of East 14th Street and 102nd Avenue in Oakland, California. The Site is currently operating as a retail gasoline service station. Three gasoline underground storage tanks (USTs) and associated product lines and dispensers are present at the Site.

Product Line Removal and Replacement Activities

Removal and replacement of product lines and dispensers was performed by Balch Petroleum (Balch) of Milpitas, California on March 22, 2000. Excavation and sampling activities were observed and approved by Inspector Gomez.

Soil Sampling – Product Lines and Dispensers

On March 22, 2000, a total of eight soil samples designated PD-A@2', PD-B@2', PD-B@5', PD-B@6', PD-C@2', PD-D@2', PD-E@2', and PD-F@2' were collected from beneath each of the three product dispensers, and three soil samples designated PL-A@2', PL-B@2', and PL-C@2' were collected from beneath the product lines (Figure 2). Soil samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8015, Modified, as well as methyl tertiary butyl ether (MTBE) and benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8020. Additionally, all samples were analyzed for total lead by EPA Method 6010A. Due to soil which was stained and produced elevated flame ionization detector (FID) readings,

soil samples were analyzed on a 24 hour turnaround to delineate impacted areas that would require remedial overexcavation of obviously impacted soil.

Product line and dispenser soil analytical data are presented in Table 1 and soil sample locations are shown on Figure 2. Field and laboratory procedures are presented as Attachment A. TPHg was detected in 6 of the 11 samples at a maximum concentration of 6,200 mg/kg (PD-F@2'), MTBE was detected in 7 of the 11 samples at a maximum concentration of 120 mg/kg (PD-B@2'), and benzene was detected in 6 of the 11 samples at a maximum concentration of 7.4 mg/kg (PD-F@2'). Lead was not detected at or above laboratory reporting limits in any samples. Certified analytical reports and chain-of-custody documentation are presented as Attachment B.

Remedial Activities – Overexcavation

On March 27, 2000, SECOR observed the overexcavation of approximately 60 cubic yards of soil from the beneath those portions of the dispensers and product lines where the 24 hour rush soil samples revealed elevated concentrations of petroleum hydrocarbons (sample areas PD-A, PD-B, and PD-F). Areas measuring approximately 8 to 10 feet long by 8 to 10 feet wide were overexcavated to an approximate depth of 8 feet below ground surface (bgs) in each of these areas. Additional overexcavation in these areas was not possible due to their proximity to the footings of the service station canopy. Three confirmatory soil samples were collected from the base of the overexcavated areas (designated PD-A@8', PD-B@8', and PD-F@8').

Analytical data for overexcavation soil samples are presented in Table 1 and soil sample locations are shown on Figure 2. Soil samples were analyzed TPHg by EPA Method 8015, Modified, MTBE and BTEX by EPA Method 8020, and total lead by EPA Method 6010A. TPHg was detected in 2 of the 3 samples at a maximum concentration of 108 mg/kg (PD-B@8'), benzene was detected in 1 of the 3 samples at a maximum concentration of 0.162 mg/kg (PD-A@8'), and MTBE was detected in all 3 samples at a maximum concentration of 43.8 mg/kg (PD-A@8'). The MTBE concentration detected in sample PD-A@8' was confirmed by EPA Method 8260. The results of the 8260 analysis indicated an MTBE concentration of 7.03 mg/kg. Lead was not detected at or above laboratory reporting limits in any samples.

Stockpiled Soil

The soil stockpile generated during removal and replacement of the product lines and dispensers was sampled on March 22, 2000 and analyzed for TPHg, and BTEX by EPA Methods 8015, Modified and 8020, respectively, as well as total lead by EPA Method 6010A. Soil stockpile analytical results did not reveal significant concentrations of petroleum hydrocarbons. On March 28, 2000, Den Beste Trucking of Windsor, California transported approximately 133 cubic yards of soil as non-hazardous waste under bill-of-lading to Forward Landfill in Manteca, California.

Summary of Results

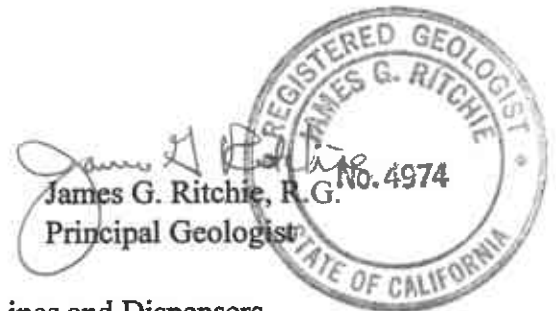
During the recent product line upgrade activities at the Site, residual concentrations of petroleum hydrocarbons were reported in soil samples collected from beneath the facility. Impact to the subsurface by petroleum hydrocarbons originating from the product lines and dispensers appears to attenuate vertically with depth, however the extent of impact has not been completely characterized. At this time, SECOR recommends the installation of three groundwater monitoring wells to further characterize subsurface conditions beneath the Site.

If you have any questions or comments regarding this letter, please call us at (650) 691-0131.

Sincerely,

SECOR International Incorporated


Robert Potter
Project Manager



Attachments: Table 1 - Soil Analytical Data - Product Lines and Dispensers
Figure 1 - Site Location Map
Figure 2 - Site Plan with Soil Sample Locations
Attachment A - Field and Laboratory Procedures
Attachment B - Certified Analytical Reports and Chain-of-Custody
Documentation

cc: Mr. David DeWitt, Tosco Marketing Company

Table 1
Soil Analytical Data
Product Lines and Dispensers

Tosco (Unocal) Service Station # 7124
 10151 East 14th Street
 Oakland, California

Sample Name	Sample Depth	Date Sampled	TPH as Gasoline (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Xylenes (mg/kg)	MTBE 8020/8260 (mg/kg)	Total Lead (mg/kg)
PD-A@2' (Excavated)	2	03/22/00	5,200	ND<1.3	89	32	960	21/NA	ND<2.5
PD-A@8'	8	3/27/00	77.5	0.162	1.48	1.15	7.98	43.8/7.03	NA
PD-B@2' (Excavated)	2	03/22/00	120	1.4	8.4	ND<0.50	18	120/NA	ND<2.5
PD-B@5' (Excavated)	5	03/22/00	130	0.81	6.7	2	16	86/NA	ND<2.5
PD-B@6' (Excavated)	6	03/22/00	170	0.79	9.1	2.5	20	73/NA	ND<2.5
PD-B@8'	8	3/27/00	108	ND<0.125	1.52	1.6	11.7	12.1/NA	NA
PD-C@2'	2	03/22/00	ND<1	ND<0.005	0.005	ND<0.005	0.016	ND<0.05/NA	ND<2.5
PD-D@2'	2	03/22/00	ND<1	ND<0.005	ND<0.005	ND<0.005	0.014	ND<0.05/NA	ND<2.5
PD-E@2'	2	3/22/00	1.1	0.0052	0.027	ND<0.005	0.086	0.12/NA	ND<2.5
PD-F@2' (Excavated)	2	3/22/00	6,200	7.4	330	190	1,500	ND<5.0/NA	ND<2.5
PD-F@8'	8	3/27/00	ND<1	ND<0.005	ND<0.005	ND<0.005	0.144	0.119/NA	NA
PL-A@2'	2	03/22/00	ND<1	ND<0.005	ND<0.005	ND<0.005	0.019	3.3/NA	ND<2.5
PL-B@2'	2	03/22/00	ND<1	ND<0.005	0.0057	ND<0.005	0.026	ND<0.05/NA	ND<2.5
PL-C@2'	2	03/22/00	ND<1	0.0089	0.039	0.023	0.11	0.22/NA	ND<2.5

TPH = Total petroleum hydrocarbons
 MTBE = Methyl tertiary butyl ether
 ND = Not detected above specified laboratory reporting limits
 NA = Not analyzed
 mg/kg = Milligrams per kilogram

Sample depth in feet below ground surface



SITE



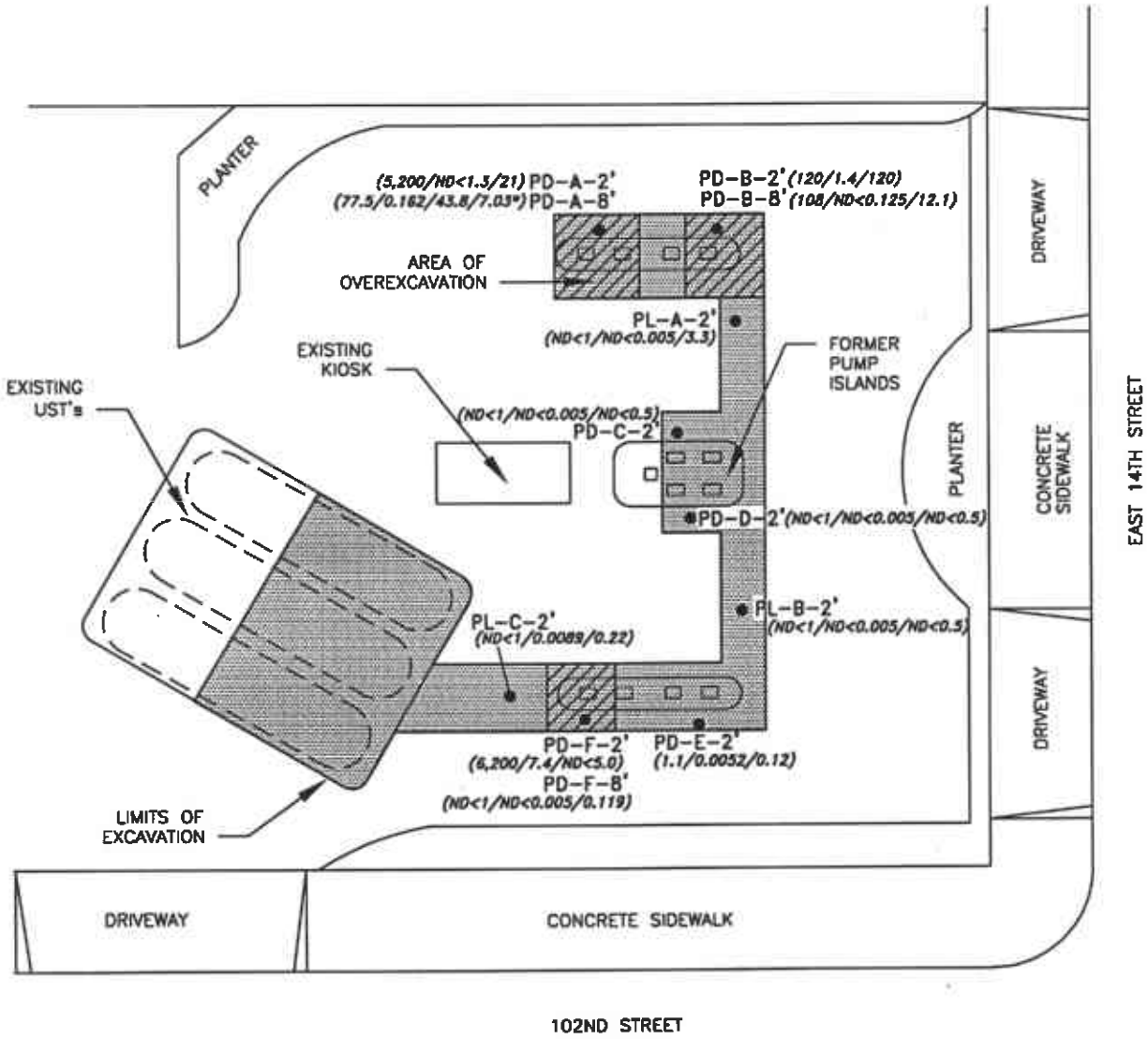
SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP
SAN LEANDRO, CALIFORNIA
(1961, PHOTOREVISED 1980)

SECOR
International Incorporated

DRAWN	GEL
APPR	RP
DATE	11 APRIL 00
JOB NO.	006.003477.602

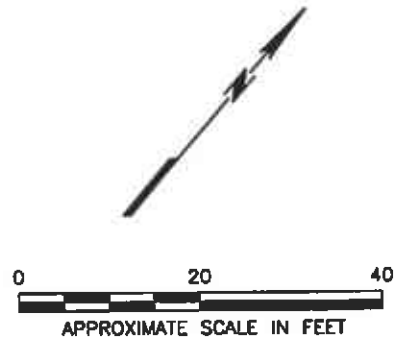
FIGURE 1
TOSCO (UNOCAL) SS#7124
10181 EAST 14TH STREET
OAKLAND, CALIFORNIA
SITE LOCATION MAP

199812.271.039 R:\0400\NOV\ACAD\70503-7124\cases-006.003477.602-001.dwg 4/11/00



LEGEND

- PD-F-2' SOIL SAMPLE LOCATION WITH ID NUMBER AND DEPTH (FT BGS)
- (6,200/7.4/ND<5.0) (TPHg/BENZENE/MTBE) IN MG/KG MTBE BY EPA METHOD 8260
- ▨ AREA OF OVEREXCAVATION
- ▩ EXCAVATION AREA



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SECOR
International Incorporated

DRAWN	GEL
APPR	RP
DATE	11 APRIL 00
JOB NO.	006.003477.602

FIGURE 2
TOSCO (UNOCAL) 83#7124
10151 EAST 14TH STREET
OAKLAND, CALIFORNIA
SITE PLAN WITH
SOIL SAMPLE LOCATIONS

ATTACHMENT A
FIELD AND LABORATORY PROCEDURES

ATTACHMENT A
FIELD AND LABORATORY PROCEDURES

Soil Sampling

Soil samples were collected by advancing 2-inch-diameter brass sample liners into undisturbed soil, or soil removed from an excavation by a backhoe bucket. Soil samples for chemical analysis were retained in the brass liners, labeled, and capped with Teflon sheets and plastic end caps. The samples were then sealed in zip-lock bags, placed on ice, and transported to the laboratory accompanied by the appropriate chain-of-custody documentation.

Laboratory Analysis of Soil Samples

Analysis for TPHg, BTEX compounds, and MTBE was performed by EPA Method 8015, Modified and 8020, respectively. Confirmation of the sample with the highest concentration of MTBE was performed by EPA Method 8260. Analysis of lead was performed by EPA 6010A.

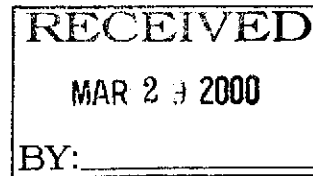
ATTACHMENT B

**CERTIFIED ANALYTICAL REPORTS AND
CHAIN-OF-CUSTODY DOCUMENTATION**



Sequoia Analytical

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



27 March, 2000

Robert Potter
Secor - Mountain View
1225 Pear Ave., Ste 110
Mountain View, CA 94043

RE: Tosco
Sequoia Report: W003528

Enclosed are the results of analyses for samples received by the laboratory on 22-Mar-00 16:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,


Dimple Sharma
Project Manager

CA ELAP Certificate #1274





Secor - Mountain View
1225 Pear Ave., Ste 110
Mountain View CA, 94043

Project: Tosco
Project Number: Tosco # 7124, Oakland
Project Manager: Robert Potter


Reported:
27-Mar-00 11:38

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PD-A 2'	W003528-01	Soil	22-Mar-00 13:30	22-Mar-00 16:15
PD-B 2'	W003528-02	Soil	22-Mar-00 13:35	22-Mar-00 16:15
PD-B 5'	W003528-03	Soil	22-Mar-00 13:40	22-Mar-00 16:15
PD-B 6'	W003528-04	Soil	22-Mar-00 13:45	22-Mar-00 16:15
PD-C 2'	W003528-05	Soil	22-Mar-00 13:50	22-Mar-00 16:15
PL-A 2'	W003528-06	Soil	22-Mar-00 13:55	22-Mar-00 16:15
PD-D 2'	W003528-07	Soil	22-Mar-00 14:00	22-Mar-00 16:15
PL-B 2'	W003528-08	Soil	22-Mar-00 14:05	22-Mar-00 16:15
PD-E 2'	W003528-09	Soil	22-Mar-00 14:10	22-Mar-00 16:15
PD-F 2'	W003528-10	Soil	22-Mar-00 14:15	22-Mar-00 16:15
PL-C 2'	W003528-11	Soil	22-Mar-00 14:20	22-Mar-00 16:15

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.


Dimple Sharma, Project Manager





Secor - Mountain View
1225 Pear Ave., Ste 110
Mountain View CA, 94043

Project: Tosco
Project Number: Tosco # 7124, Oakland
Project Manager: Robert Potter

Reported:
27-Mar-00 11:38

**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PD-A 2' (W003528-01) Soil Sampled: 22-Mar-00 13:30 Received: 22-Mar-00 16:15 P-01									
Purgeable Hydrocarbons	5200	250	mg/kg	5000	0C23020	23-Mar-00	23-Mar-00	EPA 8015/8020	
Benzene	ND	1.3	"	"	"	"	"	"	
Toluene	89	1.3	"	"	"	"	"	"	
Ethylbenzene	32	1.3	"	"	"	"	"	"	
Xylenes (total)	960	1.3	"	"	"	"	"	"	
Methyl tert-butyl ether	21	12	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		%	40-140	"	"	"	"	"	S-01
PD-B 2' (W003528-02) Soil Sampled: 22-Mar-00 13:35 Received: 22-Mar-00 16:15 P-01									
Purgeable Hydrocarbons	120	100	mg/kg	2000	0C23020	23-Mar-00	23-Mar-00	EPA 8015/8020	
Benzene	1.4	0.50	"	"	"	"	"	"	
Toluene	8.4	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	18	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	120	5.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		%	40-140	"	"	"	"	"	S-01
PD-B 5' (W003528-03) Soil Sampled: 22-Mar-00 13:40 Received: 22-Mar-00 16:15 P-01									
Purgeable Hydrocarbons	130	100	mg/kg	2000	0C23020	23-Mar-00	23-Mar-00	EPA 8015/8020	
Benzene	0.81	0.50	"	"	"	"	"	"	
Toluene	6.7	0.50	"	"	"	"	"	"	
Ethylbenzene	2.0	0.50	"	"	"	"	"	"	
Xylenes (total)	16	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	86	5.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		%	40-140	"	"	"	"	"	S-01





Secor - Mountain View
1225 Pear Ave., Ste 110
Mountain View CA, 94043

Project: Tosco
Project Number: Tosco # 7124, Oakland
Project Manager: Robert Potter

Reported:
27-Mar-00 11:38

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PD-B 6' (W003528-04) Soil Sampled: 22-Mar-00 13:45 Received: 22-Mar-00 16:15									
Purgeable Hydrocarbons	170	25	mg/kg	500	0C23020	23-Mar-00	23-Mar-00	EPA 8015/8020	P-01
Benzene	0.79	0.13	"	"	"	"	"	"	
Toluene	9.1	0.13	"	"	"	"	"	"	
Ethylbenzene	2.5	0.13	"	"	"	"	"	"	
Xylenes (total)	20	0.13	"	"	"	"	"	"	
Methyl tert-butyl ether	73	1.2	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		%	40-140		"	"	"	"	S-01

D-C 2' (W003528-05) Soil Sampled: 22-Mar-00 13:50 Received: 22-Mar-00 16:15									
Purgeable Hydrocarbons	ND	1.0	mg/kg	20	0C23020	23-Mar-00	23-Mar-00	EPA 8015/8020	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	0.0050	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.016	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.050	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		92.0 %	40-140		"	"	"	"	

PL-A 2' (W003528-06) Soil Sampled: 22-Mar-00 13:55 Received: 22-Mar-00 16:15									
Purgeable Hydrocarbons	ND	1.0	mg/kg	20	0C23020	23-Mar-00	23-Mar-00	EPA 8015/8020	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.019	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	3.3	0.050	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		91.7 %	40-140		"	"	"	"	





Secor - Mountain View
1225 Pear Ave., Ste 110
Mountain View CA, 94043

Project: Tosco
Project Number: Tosco # 7124, Oakland
Project Manager: Robert Potter

Reported:
27-Mar-00 11:38

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PD-D 2' (W003528-07) Soil Sampled: 22-Mar-00 14:00 Received: 22-Mar-00 16:15									
Purgeable Hydrocarbons	ND	1.0	mg/kg	20	0C23020	23-Mar-00	23-Mar-00	EPA 8015/8020	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.014	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.050	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		92.3 %	40-140	"	"	"	"	"	
PL-B 2' (W003528-08) Soil Sampled: 22-Mar-00 14:05 Received: 22-Mar-00 16:15									
Purgeable Hydrocarbons	ND	1.0	mg/kg	20	0C23020	23-Mar-00	23-Mar-00	EPA 8015/8020	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	0.0057	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.026	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.050	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		86.3 %	40-140	"	"	"	"	"	
PD-E 2' (W003528-09) Soil Sampled: 22-Mar-00 14:10 Received: 22-Mar-00 16:15 P-01									
Purgeable Hydrocarbons	1.1	1.0	mg/kg	20	0C23020	23-Mar-00	23-Mar-00	EPA 8015/8020	
Benzene	0.0052	0.0050	"	"	"	"	"	"	
Toluene	0.027	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.086	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	0.12	0.050	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		94.7 %	40-140	"	"	"	"	"	





Secor - Mountain View
1225 Pear Ave., Ste 110
Mountain View CA, 94043

Project: Tosco
Project Number: Tosco # 7124, Oakland
Project Manager: Robert Potter

Reported:
27-Mar-00 11:38

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT
Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PD-F 2' (W003528-10) Soil Sampled: 22-Mar-00 14:15 Received: 22-Mar-00 16:15									P-01
Purgeable Hydrocarbons	6200	100	mg/kg	2000	0C23020	23-Mar-00	24-Mar-00	EPA 8015/8020	A-01
Benzene	7.4	0.50	"	"	"	"	"	"	
Toluene	330	0.50	"	"	"	"	"	"	
Ethylbenzene	190	0.50	"	"	"	"	"	"	
Xylenes (total)	1500	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	

Surrogate: a,a,a-Trifluorotoluene % 40-140 " " " " S-01

PL-C 2' (W003528-11) Soil Sampled: 22-Mar-00 14:20 Received: 22-Mar-00 16:15									
Purgeable Hydrocarbons	ND	1.0	mg/kg	20	0C23020	23-Mar-00	23-Mar-00	EPA 8015/8020	
Benzene	0.0089	0.0050	"	"	"	"	"	"	
Toluene	0.039	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.023	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.11	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	0.22	0.050	"	"	"	"	"	"	

Surrogate: a,a,a-Trifluorotoluene 100 % 40-140 " " " " "





Secor - Mountain View
1225 Pear Ave., Ste 110
Mountain View CA, 94043

Project: Tosco
Project Number: Tosco # 7124, Oakland
Project Manager: Robert Potter

Reported:
27-Mar-00 11:38

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PD-A 2' (W003528-01) Soil	Sampled: 22-Mar-00 13:30 Received: 22-Mar-00 16:15								
Lead	ND	2.5	mg/kg	1	0C23009	23-Mar-00	24-Mar-00	EPA 7420	
PD-B 2' (W003528-02) Soil	Sampled: 22-Mar-00 13:35 Received: 22-Mar-00 16:15								
Lead	ND	2.5	mg/kg	1	0C23009	23-Mar-00	24-Mar-00	EPA 7420	
PD-B 5' (W003528-03) Soil	Sampled: 22-Mar-00 13:40 Received: 22-Mar-00 16:15								
Lead	ND	2.5	mg/kg	1	0C23009	23-Mar-00	24-Mar-00	EPA 7420	
PD-B 6' (W003528-04) Soil	Sampled: 22-Mar-00 13:45 Received: 22-Mar-00 16:15								
Lead	ND	2.5	mg/kg	1	0C23009	23-Mar-00	24-Mar-00	EPA 7420	
PD-C 2' (W003528-05) Soil	Sampled: 22-Mar-00 13:50 Received: 22-Mar-00 16:15								
Lead	7.5	2.5	mg/kg	1	0C23009	23-Mar-00	24-Mar-00	EPA 7420	
PL-A 2' (W003528-06) Soil	Sampled: 22-Mar-00 13:55 Received: 22-Mar-00 16:15								
Lead	ND	2.5	mg/kg	1	0C23009	23-Mar-00	24-Mar-00	EPA 7420	
PD-D 2' (W003528-07) Soil	Sampled: 22-Mar-00 14:00 Received: 22-Mar-00 16:15								
Lead	ND	2.5	mg/kg	1	0C23009	23-Mar-00	24-Mar-00	EPA 7420	
PL-B 2' (W003528-08) Soil	Sampled: 22-Mar-00 14:05 Received: 22-Mar-00 16:15								
Lead	ND	2.5	mg/kg	1	0C23009	23-Mar-00	24-Mar-00	EPA 7420	
PD-E 2' (W003528-09) Soil	Sampled: 22-Mar-00 14:10 Received: 22-Mar-00 16:15								
Lead	ND	2.5	mg/kg	1	0C23009	23-Mar-00	24-Mar-00	EPA 7420	





Secor - Mountain View
1225 Pear Ave., Ste 110
Mountain View CA, 94043

Project: Tosco
Project Number: Tosco # 7124, Oakland
Project Manager: Robert Potter

Reported:
27-Mar-00 11:38

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PD-F 2' (W003528-10) Soil Sampled: 22-Mar-00 14:15 Received: 22-Mar-00 16:15									
Lead	ND	2.5	mg/kg	1	0C23009	23-Mar-00	24-Mar-00	EPA 7420	
PL-C 2' (W003528-11) Soil Sampled: 22-Mar-00 14:20 Received: 22-Mar-00 16:15									
Lead	ND	2.5	mg/kg	1	0C23009	23-Mar-00	24-Mar-00	EPA 7420	





Secor - Mountain View
1225 Pear Ave., Ste 110
Mountain View CA, 94043

Project: Tosco
Project Number: Tosco # 7124, Oakland
Project Manager: Robert Potter

Reported:
27-Mar-00 11:38

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT - Quality Control
Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 0C23020 - EPA 5030B [MeOH]

Blank (0C23020-BLK1)

Prepared: 23-Mar-00 Analyzed: 24-Mar-00

Purgeable Hydrocarbons	ND	1.0	mg/kg							
Benzene	ND	0.0050	"							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	0.0133	0.0050	"							
Methyl tert-butyl ether	ND	0.050	"							
Surrogate: <i>a, a, a</i> -Trifluorotoluene	0.702		"	0.600		117	40-140			

LCS (0C23020-BS1)

Prepared & Analyzed: 23-Mar-00

Benzene	0.836	0.0050	mg/kg	0.800		105	50-150			
Toluene	0.886	0.0050	"	0.800		111	50-150			
Ethylbenzene	0.928	0.0050	"	0.800		116	50-150			
Xylenes (total)	2.68	0.0050	"	2.40		112	50-150			
Surrogate: <i>a, a, a</i> -Trifluorotoluene	0.742		"	0.600		124	40-140			

Matrix Spike (0C23020-MS1)

Source: W003528-07

Prepared: 23-Mar-00 Analyzed: 24-Mar-00

Benzene	0.698	0.0050	mg/kg	0.800	ND	87.3	50-150			
Toluene	0.752	0.0050	"	0.800	ND	94.0	50-150			
Ethylbenzene	0.796	0.0050	"	0.800	ND	99.5	50-150			
Xylenes (total)	2.32	0.0050	"	2.40	0.014	96.1	50-150			
Surrogate: <i>a, a, a</i> -Trifluorotoluene	0.538		"	0.600		89.7	40-140			

Matrix Spike Dup (0C23020-MSD1)

Source: W003528-07

Prepared & Analyzed: 23-Mar-00

Benzene	0.734	0.0050	mg/kg	0.800	ND	91.8	50-150	5.03	20	
Toluene	0.782	0.0050	"	0.800	ND	97.7	50-150	3.91	20	
Ethylbenzene	0.820	0.0050	"	0.800	ND	102	50-150	2.97	20	
Xylenes (total)	2.40	0.0050	"	2.40	0.014	99.4	50-150	3.39	20	
Surrogate: <i>a, a, a</i> -Trifluorotoluene	0.552		"	0.600		92.0	40-140			





Secor - Mountain View
1225 Pear Ave., Ste 110
Mountain View CA, 94043

Project: Tosco
Project Number: Tosco # 7124, Oakland
Project Manager: Robert Potter

Reported:
27-Mar-00 11:38

**Total 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
Batch 0C23009 - EPA 3050B										
Blank (0C23009-BLK1) Prepared: 23-Mar-00 Analyzed: 24-Mar-00										
Lead	ND	2.5	mg/kg							
LCS (0C23009-BS1) Prepared: 23-Mar-00 Analyzed: 24-Mar-00										
Lead	48.9	2.5	mg/kg	50.0		97.8	80-120			
LCS Dup (0C23009-BSD1) Prepared: 23-Mar-00 Analyzed: 24-Mar-00										
Lead	51.0	2.5	mg/kg	50.0		102	80-120	4.20	20	
Matrix Spike (0C23009-MS1) Source: W003495-04 Prepared: 23-Mar-00 Analyzed: 24-Mar-00										
Lead	49.3	2.5	mg/kg	50.0	ND	98.6	75-125			
Matrix Spike Dup (0C23009-MSD1) Source: W003495-04 Prepared: 23-Mar-00 Analyzed: 24-Mar-00										
Lead	60.7	2.5	mg/kg	50.0	ND	121	75-125	20.7	20	Q-01





Secor - Mountain View
1225 Pear Ave., Ste 110
Mountain View CA, 94043

Project: Tosco
Project Number: Tosco # 7124, Oakland
Project Manager: Robert Potter

Reported:
27-Mar-00 11:38

Notes and Definitions

- A-01 TPH recovery is above maximum calibration range and is only an estimate.
- P-01 Chromatogram Pattern: Gasoline C6-C12
- Q-01 The spike recovery for this QC sample is outside of established control limits. Review of associated batch QC indicates the recovery for this analyte does not represent an out-of-control condition for the batch.
- S-01 The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interferences.
- 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



TOSCO

1895 Jarvis Drive • Morgan Hill, CA 95037 • (408) 776-9600 • FAX (408) 782-6308
 □ 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

Consultant Company: SECOR		Project Name: 7124 TOSCO	
Address: 1225 Pear Ave Suite 110		TOSCO Engineer (required) DAVID DEWITT	
City: Mountain View State: CA	Zip Code: 94043	Site #, City, State: 7124 Oakland CA	
Telephone: (650) 691-0131	FAX #: (650) 691-9837		
Report To: Robert Potter	Sampler: GARY CLIFT	QC Data: <input checked="" type="checkbox"/> Level D (Standard) <input type="checkbox"/> Level C <input type="checkbox"/> Level B <input type="checkbox"/> Level A	

Turnaround Time: <input type="checkbox"/> 10 Work Days <input type="checkbox"/> 5 Work Days <input type="checkbox"/> 3 Work Days <input type="checkbox"/> 2 Work Days <input checked="" type="checkbox"/> 1 Work Day <input type="checkbox"/> 2-8 Hours	<input type="checkbox"/> Drinking Water <input type="checkbox"/> Waste Water <input checked="" type="checkbox"/> Other	Analyses Requested
CODE: <input type="checkbox"/> Misc. <input type="checkbox"/> Detect. <input type="checkbox"/> Eval. <input type="checkbox"/> Remed. <input type="checkbox"/> Demol. <input type="checkbox"/> Closure		TPH (EPA 8015 Mod. Gas) <input type="checkbox"/> BTEX (EPA 8020) <input type="checkbox"/> MTBE (EPA 8020) <input type="checkbox"/> TPH (EPA 8015 Mod. Diesel) <input type="checkbox"/> Volatile Organics (EPA 8260) <input type="checkbox"/> MTBE Confirmation (EPA 8260) <input type="checkbox"/> Total Lead <input type="checkbox"/>

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	TPH (EPA 8015 Mod. Gas)	BTEX (EPA 8020)	MTBE (EPA 8020)	TPH (EPA 8015 Mod. Diesel)	Volatile Organics (EPA 8260)	MTBE Confirmation (EPA 8260)	Total Lead	Comments
1. PD-A 2'	3/22 1:30	Soil	1	BRASS	-01	X	X	X				X	
2. PD-B 2'	3/22 1:35	Soil	1	BRASS	-02	X	X	X				X	IF Lead on 'B' Samples > 50mg/kg Run S+Lc if S+Lc > 5mg/kg Run TCLP
3. PD-B 5'	3/22 1:40	Soil	1	BRASS	-03	X	X	X				X	
4. PD-B 6'	3/22 1:45	Soil	1	BRASS	-04	X	X	X				X	
5. PD-C 2'	3/22 1:50	Soil	1	BRASS	-05	X	X	X				X	
6. PL-A 2'	3/22 1:55	Soil	1	BRASS	-06	X	X	X				X	
7. PD-D 2'	3/22 2:00	Soil	1	BRASS	-07	X	X	X				X	
8. PL-B 2'	3/22 2:05	Soil	1	BRASS	-08	X	X	X				X	
9. PD-E 2'	3/22 2:10	Soil	1	BRASS	-09	X	X	X				X	
10. PD-F 2'	3/22 2:15	Soil	1	BRASS	-10	X	X	X				X	

Relinquished By: GARY CLIFT	Date: 3/22	Time: 4:15	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By: <i>[Signature]</i>	Date: 3/22	Time: 16:15

Were Samples Received in Good Condition? Yes No Samples on Ice? Yes No Method of Shipment _____ Page 1 of 7

To be completed upon receipt of report:

1) Were the analyses requested on the Chain of Custody reported? Yes No If no, what analyses are still needed? _____

2) Was the report issued within the requested turnaround time? Yes No If no, what was the turnaround time? _____

Approved by: _____ Signature: _____ Company: _____ Date: _____

Pink - Client

Yellow - Sequoia

White - Sequoia

NT 000486

TOSCO

5 Ja Drive Orga CA 97 • 776 • 408) 630
 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

Consultant Company: <u>SECOR</u>		Project Name: <u>TOSCO 7124</u>	
Address: <u>1225 Pear Ave Suite 110</u>		TOSCO Engineer (required) <u>David Dewitt</u>	
City: <u>Mountain View</u> State: <u>CA</u> Zip Code: <u>94043</u>	7124 W1003528		
Telephone: <u>(650) 691-0131</u> FAX #: <u>(650) 691-9837</u>	Site #, City, State: <u>Oakland CA</u>		
Report To: <u>Robert Potter</u> Sampler: <u>GARY CLIFT</u>	QC Data: <input checked="" type="checkbox"/> Level D (Standard) <input type="checkbox"/> Level C <input type="checkbox"/> Level B <input type="checkbox"/> Level A		

Turnaround Time: <input type="checkbox"/> 10 Work Days <input type="checkbox"/> 5 Work Days <input type="checkbox"/> 3 Work Days <input type="checkbox"/> 2-8 Hours	<input type="checkbox"/> Drinking Water	Analyses Requested
<input type="checkbox"/> 2 Work Days <input checked="" type="checkbox"/> 1 Work Day	<input type="checkbox"/> Waste Water	
CODE: <input type="checkbox"/> Misc. <input type="checkbox"/> Detect. <input type="checkbox"/> Eval. <input type="checkbox"/> Remed. <input type="checkbox"/> Demol. <input type="checkbox"/> Closure	<input checked="" type="checkbox"/> Other	

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	Analyses Requested							Comments
						TPH (EPA 8015 Mod. Gas)	BTEX (EPA 8020)	MTBE (EPA 8020)	TPH (EPA 8015 Mod. Diesel)	Volatile Organics (EPA 8260)	MTBE Confirmation (EPA 8260)	Total Lead	
1. <u>PL-C 2'</u>	<u>3/22 2200</u>	<u>Soil</u>	<u>1</u>	<u>BRASS</u>	<u>-11</u>	<u>X</u>	<u>X</u>	<u>X</u>				<u>X</u>	
2.													
3.													
4.													
5.													
6.													
7.													
8.													
9.													
10.													

Relinquished By: <u>GARY CLIFT</u>	Date: <u>3/22</u>	Time: <u>4:15</u>	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By: <u>[Signature]</u>	Date: <u>3/22</u>	Time: <u>16:15</u>

Were Samples Received in Good Condition? Yes No Samples on Ice? Yes No Method of Shipment _____ Page 2 of 2

To be completed upon receipt of report:

1) Were the analyses requested on the Chain of Custody reported? Yes No If no, what analyses are still needed? _____

2) Was the report issued within the requested turnaround time? Yes No If no, what was the turnaround time? _____

Approved by: _____ Signature: _____ Company: _____ Date: _____

Pink - Client

Yellow - Sequoia

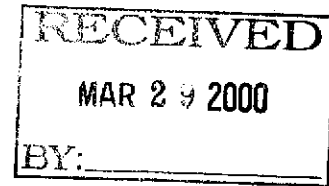
White - Sequoia



Sequoia Analytical

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

27 March, 2000



Robert Potter
Secor - Mountain View
1225 Pear Ave., Ste 110
Mountain View, CA 94043

RE: Tosco
Sequoia Report: W003529

Enclosed are the results of analyses for samples received by the laboratory on 22-Mar-00 16:20. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Dimple Sharma
Project Manager

CA ELAP Certificate #1274





Secor - Mountain View
1225 Pear Ave., Ste 110
Mountain View CA, 94043

Project: Tosco
Project Number: Tosco # 7124, Oakland
Project Manager: Robert Potter


Reported:
27-Mar-00 11:33

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP-1,2,3,4	W003529-01	Soil	22-Mar-00 15:15	22-Mar-00 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.


Dimple Sharma, Project Manager





Secor - Mountain View
1225 Pear Ave., Ste 110
Mountain View CA, 94043

Project: Tosco
Project Number: Tosco # 7124, Oakland
Project Manager: Robert Potter

Reported:
27-Mar-00 11:33

**Total Purgeable Hydrocarbons (C6-C12) and BTEX by DHS LUFT
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP-1,2,3,4 (W003529-01) Soil Sampled: 22-Mar-00 15:15 Received: 22-Mar-00 16:20									
Purgeable Hydrocarbons	ND	1.0	mg/kg	20	0C23020	23-Mar-00	23-Mar-00	DHS LUFT	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	0.0093	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.015	0.0050	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		95.0 %	40-140		"	"	"	"	





Secor - Mountain View
1225 Pear Ave., Ste 110
Mountain View CA, 94043

Project: Tosco
Project Number: Tosco # 7124, Oakland
Project Manager: Robert Potter

Reported:
27-Mar-00 11:33

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP-1,2,3,4 (W003529-01) Soil Sampled: 22-Mar-00 15:15 Received: 22-Mar-00 16:20									
Lead	ND	5.0	mg/kg	5	0C23009	23-Mar-00	23-Mar-00	EPA 6010A	





Secor - Mountain View
1225 Pear Ave., Ste 110
Mountain View CA, 94043

Project: Tosco
Project Number: Tosco # 7124, Oakland
Project Manager: Robert Potter

Reported:
27-Mar-00 11:33

Total Purgeable Hydrocarbons (C6-C12) and BTEX by DHS LUFT - Quality Control Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 0C23020 - EPA 5030B [MeOH]

Blank (0C23020-BLK1)

Prepared: 23-Mar-00 Analyzed: 24-Mar-00

Purgeable Hydrocarbons	ND	1.0	mg/kg							
Benzene	ND	0.0050	"							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	0.0133	0.0050	"							
Surrogate: <i>a, a, a</i> -Trifluorotoluene	0.702		"	0.600		117	40-140			

LCS (0C23020-BS1)

Prepared & Analyzed: 23-Mar-00

Benzene	0.836	0.0050	mg/kg	0.800		105	50-150			
Toluene	0.886	0.0050	"	0.800		111	50-150			
Ethylbenzene	0.928	0.0050	"	0.800		116	50-150			
Xylenes (total)	2.68	0.0050	"	2.40		112	50-150			
Surrogate: <i>a, a, a</i> -Trifluorotoluene	0.742		"	0.600		124	40-140			

Matrix Spike (0C23020-MS1)

Source: W003528-07

Prepared: 23-Mar-00 Analyzed: 24-Mar-00

Benzene	0.698	0.0050	mg/kg	0.800	ND	87.3	50-150			
Toluene	0.752	0.0050	"	0.800	ND	94.0	50-150			
Ethylbenzene	0.796	0.0050	"	0.800	ND	99.5	50-150			
Xylenes (total)	2.32	0.0050	"	2.40	0.014	96.1	50-150			
Surrogate: <i>a, a, a</i> -Trifluorotoluene	0.538		"	0.600		89.7	40-140			

Matrix Spike Dup (0C23020-MSD1)

Source: W003528-07

Prepared & Analyzed: 23-Mar-00

Benzene	0.734	0.0050	mg/kg	0.800	ND	91.8	50-150	5.03	20	
Toluene	0.782	0.0050	"	0.800	ND	97.7	50-150	3.91	20	
Ethylbenzene	0.820	0.0050	"	0.800	ND	102	50-150	2.97	20	
Xylenes (total)	2.40	0.0050	"	2.40	0.014	99.4	50-150	3.39	20	
Surrogate: <i>a, a, a</i> -Trifluorotoluene	0.552		"	0.600		92.0	40-140			





Secor - Mountain View
1225 Pear Ave., Ste 110
Mountain View CA, 94043

Project: Tosco
Project Number: Tosco # 7124, Oakland
Project Manager: Robert Potter

Reported:
27-Mar-00 11:33

**Total 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
Batch 0C23009 - EPA 3050B										
Blank (0C23009-BLK1)										
Prepared & Analyzed: 23-Mar-00										
Lead	ND	1.0	mg/kg							
LCS (0C23009-BS1)										
Prepared & Analyzed: 23-Mar-00										
Lead	55.0	1.0	mg/kg	50.0		110	80-120			
LCS Dup (0C23009-BSD1)										
Prepared & Analyzed: 23-Mar-00										
Lead	50.0	1.0	mg/kg	50.0		100	80-120	9.52	20	





Secor - Mountain View
1225 Pear Ave., Ste 110
Mountain View CA, 94043

Project: Tosco
Project Number: Tosco # 7124, Oakland
Project Manager: Robert Potter

Reported:
27-Mar-00 11:33

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



TOSCO

855 J. Drive, Morgan Hill, CA 95037 (408) 760-6000 (408) 2-6300
 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

Consultant Company: SEIOR Project Name: TOSCO 7124
 Address: 1225 Pear Ave Suite 110 TOSCO Engineer (required) DAVID DEWITT
 City: Mountain View State: CA Zip Code: 94043 WOOD3529
 Telephone: (650) 691-0131 FAX #: (650) 691-9837 Site #, City, State: 7124 Oakland CA
 Report To: Robert Potter Sampler: GARY CLIFT QC Data: Level D (Standard) Level C Level B Level A

Turnaround Time: 10 Work Days 5 Work Days 3 Work Days 2-8 Hours
 2 Work Days 1 Work Day
 CODE: Misc. Detect. Eval. Remed. Demol. Closure
 Drinking Water Waste Water Other
 Analyses Requested: TPH (EPA 8015 Mod. Gas) BTEX (EPA 8020) MTBE (EPA 8020) TPH (EPA 8015 Mod. Diesel) Volatile Organics (EPA 8060) MTBE Confirmation (EPA 8060) Total Lead

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	TPH (EPA 8015 Mod. Gas)	BTEX (EPA 8020)	MTBE (EPA 8020)	TPH (EPA 8015 Mod. Diesel)	Volatile Organics (EPA 8060)	MTBE Confirmation (EPA 8060)	Total Lead	Comments
1. SP-1	3/22 3:00	Soil	1	BIASS	-01(A-D)	X	X					X	Composite 4 to 1
2. SP-2	3/22 3:05	Soil	1	BIASS		X	X					X	
3. SP-3	3/22 3:10	Soil	1	BIASS		X	X					X	
4. SP-4	3/22 3:15	Soil	1	BIASS		X	X					X	
5.													
6.													
7.													
8.													
9.													
10.													

Relinquished By: <u>GARY CLIFT</u>	Date: <u>3/22</u>	Time: <u>4:20</u>	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By: <u>Akama</u>	Date: <u>3/22/00</u>	Time: <u>1620</u>

Were Samples Received in Good Condition? Yes No Samples on Ice? Yes No Method of Shipment Client Page 1 of 1

To be completed upon receipt of report:
 1) Were the analyses requested on the Chain of Custody reported? Yes No If no, what analyses are still needed? _____
 2) Was the report issued within the requested turnaround time? Yes No If no, what was the turnaround time? _____
 Approved by: _____ Signature: _____ Company: _____ Date: _____

Pink - Client
Yellow - Sequoia
White - Sequoia



April 11, 2000

Robert Potter
Secor
1225 Pear Ave., Suite#110
Mountain View, CA 94043

RE: TOSCO/L003250

Dear Robert Potter:

Enclosed are the results of analyses for sample(s) received by the laboratory on March 28, 2000. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Wayne Stevenson
Project Manager

CA ELAP Certificate Number I-2360





Secor_5 1225 Pear Ave., Suite#110 Mountain View, CA 94043	Project: TOSCO/7121 Project Number: 10151 E.14th St. Oakland Project Manager: Robert Potter	Sampled: 3/27/00 Received: 3/28/00 Reported: 4/11/00
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ANALYTICAL REPORT FOR L003250

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
PD-A,8'	L003250-01	Soil	3/27/00
PD-B,8'	L003250-02	Soil	3/27/00
PD-F,8'	L003250-03	Soil	3/27/00





ecor_5	Project: TOSCO/7121	Sampled: 3/27/00
225 Pear Ave., Suite#110	Project Number: 10151 E.14th St. Oakland	Received: 3/28/00
Mountain View, CA 94043	Project Manager: Robert Potter	Reported: 4/11/00

Sample Description: **PD-A,8'**
Laboratory Sample Number: **L003250-01**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
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Sequoia Analytical - San Carlos

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

Purgeable Hydrocarbons as Gasoline	0040015	4/4/00	4/5/00		25.0	77.5	mg/kg	1
Benzene	"	"	"		0.125	0.162	"	
Toluene	"	"	"		0.125	1.48	"	
Ethylbenzene	"	"	"		0.125	1.15	"	
Xylenes (total)	"	"	"		0.125	7.98	"	
Methyl tert-butyl ether	"	"	"		1.25	43.8	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	60.0-140		4.88	%	2

MTBE by EPA Method 8260A

Methyl tert-butyl ether	0040009	4/10/00	4/10/00		1.00	7.03	mg/kg	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	70.0-121		95.6	%	

Total Metals by EPA 6000/7000 Series Methods

Lead	0D05031	4/4/00	4/4/00	EPA 6010A	10.0	ND	mg/kg	
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Secor_5	Project: TOSCO/7121	Sampled: 3/27/00
1225 Pear Ave., Suite#110	Project Number: 10151 E.14th St. Oakland	Received: 3/28/00
Mountain View, CA 94043	Project Manager: Robert Potter	Reported: 4/11/00

Sample Description: PD-B,8'
Laboratory Sample Number: L003250-02

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
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Sequoia Analytical - San Carlos

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

Purgeable Hydrocarbons as Gasoline	0040015	4/4/00	4/5/00		25.0	108	mg/kg	1
Benzene	"	"	"		0.125	ND	"	
Toluene	"	"	"		0.125	1.52	"	
Ethylbenzene	"	"	"		0.125	1.60	"	
Xylenes (total)	"	"	"		0.125	11.7	"	
Methyl tert-butyl ether	"	"	"		1.25	12.1	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	60.0-140		3.70	%	2

Total Metals by EPA 6000/7000 Series Methods

Lead	0D05031	4/4/00	4/4/00	EPA 6010A	10.0	ND	mg/kg	
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Record 5	Project: TOSCO/7121	Sampled: 3/27/00
1225 Pear Ave., Suite#110	Project Number: 10151 E.14th St. Oakland	Received: 3/28/00
Mountain View, CA 94043	Project Manager: Robert Potter	Reported: 4/11/00

Sample Description: PD-F,8'
 Laboratory Sample Number: L003250-03

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
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Sequoia Analytical - San Carlos

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

Purgeable Hydrocarbons as Gasoline	0040015	4/4/00	4/5/00		1.00	ND	mg/kg	
Benzene	"	"	"		0.00500	ND	"	
Toluene	"	"	"		0.00500	ND	"	
Ethylbenzene	"	"	"		0.00500	ND	"	
Xylenes (total)	"	"	"		0.00500	0.0144	"	
Methyl tert-butyl ether	"	"	"		0.0500	0.119	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene	"	"	"	60.0-140		78.0	%	

Total Metals by EPA 6000/7000 Series Methods

Lead	0D05031	4/4/00	4/4/00	EPA 6010A	10.0	ND	mg/kg	
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Secor_5	Project: TOSCO/7121	Sampled: 3/27/00
1225 Pear Ave., Suite#110	Project Number: 10151 E.14th St. Oakland	Received: 3/28/00
Mountain View, CA 94043	Project Manager: Robert Potter	Reported: 4/11/00

**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control
Sequoia Analytical - San Carlos**

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0040015										
Blank										
Date Prepared: 4/4/00										
Extraction Method: EPA 5030B [P/T]										
0040015-BLK1										
Purgeable Hydrocarbons as Gasoline	4/4/00			ND	mg/kg	1.00				
Benzene	"			ND	"	0.00500				
Toluene	"			ND	"	0.00500				
Ethylbenzene	"			ND	"	0.00500				
Xylenes (total)	"			ND	"	0.00500				
Methyl tert-butyl ether	"			ND	"	0.0500				
Surrogate: a,a,a-Trifluorotoluene	"	0.200		0.198	"	60.0-140	99.0			
LCS										
0040015-BS1										
Benzene	4/4/00	0.200		0.227	mg/kg	70.0-130	113			
Toluene	"	0.200		0.222	"	70.0-130	111			
Ethylbenzene	"	0.200		0.227	"	70.0-130	113			
Xylenes (total)	"	0.600		0.667	"	70.0-130	111			
Surrogate: a,a,a-Trifluorotoluene	"	0.200		0.214	"	60.0-140	107			
LCS										
0040015-BS2										
Purgeable Hydrocarbons as Gasoline	4/4/00	5.00		4.31	mg/kg	70.0-130	86.2			
Surrogate: a,a,a-Trifluorotoluene	"	0.200		0.208	"	60.0-140	104			
Matrix Spike										
0040015-MS1 L004002-01										
Benzene	4/4/00	0.200	ND	0.219	mg/kg	60.0-140	109			
Toluene	"	0.200	ND	0.216	"	60.0-140	108			
Ethylbenzene	"	0.200	ND	0.220	"	60.0-140	110			
Xylenes (total)	"	0.600	ND	0.647	"	60.0-140	108			
Surrogate: a,a,a-Trifluorotoluene	"	0.200		0.192	"	60.0-140	96.0			
Matrix Spike Dup										
0040015-MSD1 L004002-01										
Benzene	4/4/00	0.200	ND	0.213	mg/kg	60.0-140	106	25.0	2.79	
Toluene	"	0.200	ND	0.209	"	60.0-140	105	25.0	2.82	
Ethylbenzene	"	0.200	ND	0.207	"	60.0-140	103	25.0	6.57	
Xylenes (total)	"	0.600	ND	0.631	"	60.0-140	105	25.0	2.82	
Surrogate: a,a,a-Trifluorotoluene	"	0.200		0.180	"	60.0-140	90.0			





Record 5	Project: TOSCO/7121	Sampled: 3/27/00
1225 Pear Ave., Suite#110	Project Number: 10151 E.14th St. Oakland	Received: 3/28/00
Mountain View, CA 94043	Project Manager: Robert Potter	Reported: 4/11/00

**MTBE by EPA Method 8260A/Quality Control
Sequoia Analytical - San Carlos**

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0040009			Date Prepared: 4/4/00		Extraction Method: EPA 5030B [P/T]					
Blank			0040009-BLK1							
Methyl tert-butyl ether	4/5/00			ND	mg/kg	0.100				
Surrogate: 1,2-Dichloroethane-d4	"	2.50		2.96	"	70.0-121	118			
Blank			0040009-BLK2							
Methyl tert-butyl ether	4/10/00			ND	mg/kg	0.100				
Surrogate: 1,2-Dichloroethane-d4	"	2.50		2.46	"	70.0-121	98.4			
LCS			0040009-BS1							
Methyl tert-butyl ether	4/5/00	2.50		2.64	mg/kg	70.0-130	106			
Surrogate: 1,2-Dichloroethane-d4	"	2.50		2.97	"	70.0-121	119			
LCS			0040009-BS2							
Methyl tert-butyl ether	4/10/00	2.50		2.04	mg/kg	70.0-130	81.6			
Surrogate: 1,2-Dichloroethane-d4	"	2.50		2.50	"	70.0-121	100			
Matrix Spike			0040009-MS1 L003283-05							
Methyl tert-butyl ether	4/5/00	2.50	ND	2.35	mg/kg	60.0-140	94.0			
Surrogate: 1,2-Dichloroethane-d4	"	2.50		2.60	"	70.0-121	104			
Matrix Spike Dup			0040009-MSD1 L003283-05							
Methyl tert-butyl ether	4/5/00	2.50	ND	2.47	mg/kg	60.0-140	98.8	25.0	4.98	
Surrogate: 1,2-Dichloroethane-d4	"	2.50		2.78	"	70.0-121	111			





Secor_5	Project: TOSCO/7121	Sampled: 3/27/00
1225 Pear Ave., Suite#110	Project Number: 10151 E.14th St. Oakland	Received: 3/28/00
Mountain View, CA 94043	Project Manager: Robert Potter	Reported: 4/11/00

**Total Metals by EPA 6000/7000 Series Methods/Quality Control
Sequoia Analytical - Morgan Hill**

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Reporting Limit Units	Recov. Recov. Limits	RPD %	RPD Limit	RPD %	Notes*
Batch: 0D05031	Date Prepared: 4/4/00			Extraction Method: EPA 3050B						
Blank	0D05031-BLK2									
Lead	4/4/00			ND	mg/kg	10.0				
LCS	0D05031-BS3									
Lead	4/4/00	50.0		43.1	mg/kg	80-120	86.2			
Matrix Spike	0D05031-MS1		MJC1083-01							
Lead	4/4/00	50.0	22.9	75.5	mg/kg	80-120	105			
Matrix Spike Dup	0D05031-MSD1		MJC1083-01							
Lead	4/4/00	50.0	22.9	63.0	mg/kg	80-120	80.2	20	18.1	





Secor_5	Project: TOSCO/7121	Sampled: 3/27/00
1225 Pear Ave., Suite#110	Project Number: 10151 E.14th St. Oakland	Received: 3/28/00
Mountain View, CA 94043	Project Manager: Robert Potter	Reported: 4/11/00

Notes and Definitions

Note

- 1 Chromatogram Pattern: Gasoline C6-C12
- 2 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interferences.
- 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



No 002131

TOSCO

L003250

865 Jarvis Drive • Morgan Hill, CA 95037 • (408) 770-5000 • FAX (408) 782-0500
 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

Consultant Company: SECOR		Project Name: 006.03477.602	
Address: 1225 Pear Ave #110		TOSCO Engineer (required) Dave Dewitt	
City: Mtn View	State: CA	Zip Code: 94043	
Telephone: (650)691-0131		FAX #: (650)691-9837	
Report To: Robert Potter		Sampler: Jeremy Roberts	
Turnaround Time: <input checked="" type="checkbox"/> 10 Work Days		Site #, City, State: #71221 (10151 E 14th St., Oakland)	
<input type="checkbox"/> 5 Work Days		QC Data: <input type="checkbox"/> Level D (Standard) <input type="checkbox"/> Level C <input type="checkbox"/> Level B <input type="checkbox"/> Level A	
<input type="checkbox"/> 3 Work Days			
<input type="checkbox"/> 2 Work Days			
<input type="checkbox"/> 1 Work Day			
<input type="checkbox"/> 2-8 Hours			

Analyses Requested
 Drinking Water
 Waste Water
 Other

CODE: Misc. Detect. Eval. Remed. Demol. Closure

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	TPH (EPA 8015 Mod. Gas)	BTEX (EPA 8020)	MTBE (EPA 8020)	TPH (EPA 8015 Mod. Diesel)	Volatile Organics (EPA 8260)	MTBE Confirmation (EPA 8260)	Total Pb - MH	Comments
1. PD-A, 4'	3-27	Soil	1		01	X	X	X			X		*Hold PD-A, 4'
2. PD-A, 6'					02								*Hold PD-A, 6'
3. PD-A - 8' 01													
4. PD-B - 8' 02													
5. PD-F, 5'					03								*Hold PD-F, 5'
6. PD-F, 6'					04								*Hold PD-F, 6'
7. PD-F, 8' 05													
8.													
9.													
10.													

Relinquished By: <i>[Signature]</i>	Date: 3/27/00	Time: 1700	Received By: <i>[Signature]</i>	Date: 3/27/00	Time: 1700
Relinquished By: <i>[Signature]</i>	Date: 3/27/00	Time:	Received By: <i>Nelle Lane</i>	Date: 3/28/00	Time: 0940
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

Were Samples Received in Good Condition? Yes No
 Samples on Ice? Yes No
 Method of Shipment _____
 Page ___ of ___

To be completed upon receipt of report:
 1) Were the analyses requested on the Chain of Custody reported? Yes No If no, what analyses are still needed? _____
 2) Was the report issued within the requested turnaround time? Yes No If no, what was the turnaround time? _____

Approved by: _____ Signature: _____ Company: _____ Date: _____

Pink - Client
 Yellow - Sequoia
 White - Sequoia



Sequoia Analytical

1551 Industrial Road
San Carlos, CA 94070-4111
(650) 232-9600
FAX (650) 232-9612

April 10, 2000

Robert Potter
Secor
1225 Pear Ave., Suite#110
Mountain View, CA 94043

RE: TOSCO/L003250

Dear Robert Potter:

Enclosed are the results of analyses for sample(s) received by the laboratory on March 28, 2000. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Wayne Stevenson
Project Manager

CA ELAP Certificate Number I-2360





Secor_5
1225 Pear Ave., Suite#110
Mountain View, CA 94043

Project: TOSCO/7121
Project Number: 10151 E.14th St. Oakland
Project Manager: Robert Potter

Sampled: 3/27/00
Received: 3/28/00
Reported: 4/10/00

ANALYTICAL REPORT FOR L003250

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
PD-A,8'	L003250-01	Soil	3/27/00
PD-B,8'	L003250-02	Soil	3/27/00
PD-F,8'	L003250-03	Soil	3/27/00





Record 5	Project: TOSCO/7121	Sampled: 3/27/00
1225 Pear Ave., Suite#110	Project Number: 10151 E. 14th St. Oakland	Received: 3/28/00
Mountain View, CA 94043	Project Manager: Robert Potter	Reported: 4/10/00

Sample Description: PD-A,8'
Laboratory Sample Number: L003250-01

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
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Sequoia Analytical - San Carlos

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT								
Purgeable Hydrocarbons as Gasoline	0040015	4/4/00	4/5/00		25.0	77.5	mg/kg	1
Benzene	"	"	"		0.125	0.162	"	
Toluene	"	"	"		0.125	1.48	"	
Ethylbenzene	"	"	"		0.125	1.15	"	
Xylenes (total)	"	"	"		0.125	7.98	"	
Methyl tert-butyl ether	"	"	"		1.25	43.8	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	60.0-140		4.88	%	2

Total Metals by EPA 6000/7000 Series Methods								
Lead	0D05031	4/4/00	4/4/00	EPA 6010A	10.0	ND	mg/kg	





Secor_5 1225 Pear Ave., Suite#110 Mountain View, CA 94043	Project: TOSCO/7121 Project Number: 10151 E.14th St. Oakland Project Manager: Robert Potter	Sampled: 3/27/00 Received: 3/28/00 Reported: 4/10/00
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Sample Description: PD-B,8'
Laboratory Sample Number: L003250-02

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
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Sequoia Analytical - San Carlos

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

Purgeable Hydrocarbons as Gasoline	0040015	4/4/00	4/5/00		25.0	108	mg/kg	1
Benzene	"	"	"		0.125	ND	"	
Toluene	"	"	"		0.125	1.52	"	
Ethylbenzene	"	"	"		0.125	1.60	"	
Xylenes (total)	"	"	"		0.125	11.7	"	
Methyl tert-butyl ether	"	"	"		1.25	12.1	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	60.0-140		3.70	%	2

Total Metals by EPA 6000/7000 Series Methods

Lead	0D05031	4/4/00	4/4/00	EPA 6010A	10.0	ND	mg/kg	
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ecor_5	Project: TOSCO/7121	Sampled: 3/27/00
225 Pear Ave., Suite#110	Project Number: 10151 E.14th St. Oakland	Received: 3/28/00
Mountain View, CA 94043	Project Manager: Robert Potter	Reported: 4/10/00

Sample Description: PD-F,8'
Laboratory Sample Number: L003250-03

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
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Sequoia Analytical - San Carlos

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

Purgeable Hydrocarbons as Gasoline	0040015	4/4/00	4/5/00		1.00	ND	mg/kg	
Benzene	"	"	"		0.00500	ND	"	
Toluene	"	"	"		0.00500	ND	"	
Ethylbenzene	"	"	"		0.00500	ND	"	
Xylenes (total)	"	"	"		0.00500	0.0144	"	
Methyl tert-butyl ether	"	"	"		0.0500	0.119	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	60.0-140		78.0	%	

Total Metals by EPA 6000/7000 Series Methods

Lead	0D05031	4/4/00	4/4/00	EPA 6010A	10.0	ND	mg/kg	
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Secor_5	Project: TOSCO/7121	Sampled: 3/27/00
1225 Pear Ave., Suite#110	Project Number: 10151 E.14th St. Oakland	Received: 3/28/00
Mountain View, CA 94043	Project Manager: Robert Potter	Reported: 4/10/00

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control
Sequoia Analytical - San Carlos

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0040015			Date Prepared: 4/4/00			Extraction Method: EPA 5030B [P/T]				
Blank			0040015-BLK1							
Purgeable Hydrocarbons as Gasoline	4/4/00			ND	mg/kg	1.00				
Benzene	"			ND	"	0.00500				
Toluene	"			ND	"	0.00500				
Ethylbenzene	"			ND	"	0.00500				
Xylenes (total)	"			ND	"	0.00500				
Methyl tert-butyl ether	"			ND	"	0.0500				
Surrogate: a,a,a-Trifluorotoluene	"	0.200		0.198	"	60.0-140	99.0			
LCS			0040015-BS1							
Benzene	4/4/00	0.200		0.227	mg/kg	70.0-130	113			
Toluene	"	0.200		0.222	"	70.0-130	111			
Ethylbenzene	"	0.200		0.227	"	70.0-130	113			
Xylenes (total)	"	0.600		0.667	"	70.0-130	111			
Surrogate: a,a,a-Trifluorotoluene	"	0.200		0.214	"	60.0-140	107			
LCS			0040015-BS2							
Purgeable Hydrocarbons as Gasoline	4/4/00	5.00		4.31	mg/kg	70.0-130	86.2			
Surrogate: a,a,a-Trifluorotoluene	"	0.200		0.208	"	60.0-140	104			
Matrix Spike			0040015-MS1		L004002-01					
Benzene	4/4/00	0.200	ND	0.219	mg/kg	60.0-140	109			
Toluene	"	0.200	ND	0.216	"	60.0-140	108			
Ethylbenzene	"	0.200	ND	0.220	"	60.0-140	110			
Xylenes (total)	"	0.600	ND	0.647	"	60.0-140	108			
Surrogate: a,a,a-Trifluorotoluene	"	0.200		0.192	"	60.0-140	96.0			
Matrix Spike Dup			0040015-MSD1		L004002-01					
Benzene	4/4/00	0.200	ND	0.213	mg/kg	60.0-140	106	25.0	2.79	
Toluene	"	0.200	ND	0.209	"	60.0-140	105	25.0	2.82	
Ethylbenzene	"	0.200	ND	0.207	"	60.0-140	103	25.0	6.57	
Xylenes (total)	"	0.600	ND	0.631	"	60.0-140	105	25.0	2.82	
Surrogate: a,a,a-Trifluorotoluene	"	0.200		0.180	"	60.0-140	90.0			





ecor_5	Project: TOSCO/7121	Sampled: 3/27/00
225 Pear Ave., Suite#110	Project Number: 10151 E.14th St. Oakland	Received: 3/28/00
Mountain View, CA 94043	Project Manager: Robert Potter	Reported: 4/10/00

**Total Metals by EPA 6000/7000 Series Methods/Quality Control
Sequoia Analytical - Morgan Hill**

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0D05031	Date Prepared: 4/4/00					Extraction Method: EPA 3050B				
Blank	0D05031-BLK2									
Lead	4/4/00			ND	mg/kg	10.0				
CS	0D05031-BS3									
Lead	4/4/00	50.0		43.1	mg/kg	80-120	86.2			
Matrix Spike	0D05031-MS1		MJC1083-01							
Lead	4/4/00	50.0	22.9	75.5	mg/kg	80-120	105			
Matrix Spike Dup	0D05031-MSD1		MJC1083-01							
Lead	4/4/00	50.0	22.9	63.0	mg/kg	80-120	80.2	20	18.1	





Secor_5	Project: TOSCO/7121	Sampled: 3/27/00
1225 Pear Ave., Suite#110	Project Number: 10151 E.14th St. Oakland	Received: 3/28/00
Mountain View, CA 94043	Project Manager: Robert Potter	Reported: 4/10/00

Notes and Definitions

#	Note
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- 1 Chromatogram Pattern: Gasoline C6-C12
- 2 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interferences.
- 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



TOSCO

002151
L003250

- 885 Jarvis Drive • Morgan Hill, CA 95037 • (408) 776-9600 • FAX (408) 782-6308
- 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

Consultant Company: SECOR		Project Name: 006-03477.602	
Address: 1225 Pear Ave #110		TOSCO Engineer (required) Dave Dewitt	
City: Mtn. View State: CA Zip Code: 94043	Telephone: (650)691-0131 FAX #: (650)691-9937		
Report To: Robert Potter Sampler: Jeremy Roberts	Site #, City, State: #71211 (10151 E 14th St., Oakland)		
Turnaround Time: <input checked="" type="checkbox"/> 1 Work Days <input type="checkbox"/> 2 Work Days <input type="checkbox"/> 3 Work Days <input type="checkbox"/> 5 Work Days <input type="checkbox"/> 1 Work Day <input type="checkbox"/> 2-8 Hours		QC Data: <input type="checkbox"/> Level D (Standard) <input type="checkbox"/> Level C <input type="checkbox"/> Level B <input type="checkbox"/> Level A	
CODE: <input type="checkbox"/> Misc. <input type="checkbox"/> Detect. <input type="checkbox"/> Eval. <input type="checkbox"/> Remed. <input type="checkbox"/> Demol. <input type="checkbox"/> Closure		Analyses Requested: MH	

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	Analyses Requested							Comments
						TPH (EPA 8015 Mod. Gas)	BTEX (EPA 8020)	MTBE (EPA 8020)	TPH (EPA 8015 Mod. Diesel)	Volatile Organics (EPA 8250)	MTBE Confirmation (EPA 8250)	Total Pb	
1. PD-A, 4'	3-27	Soil	1		01	X	X	X				X	*Hold PD-A, 4'
2. PD-A, 6'					02	↓	↓	↓				↓	*Hold PD-A, 6'
3. PD-A-8' 01						↓	↓	↓				↓	
4. PD-B-8' 02						↓	↓	↓				↓	
5. PD-F, 5'					03	↓	↓	↓				↓	*Hold PD-F, 5'
6. PD-F, 6'					04	↓	↓	↓				↓	*Hold PD-F, 6'
7. PD-F, 8' 05						↓	↓	↓				↓	
8.													
9.													
10.													

Relinquished By:	Date: 3/27/00 Time: 1700	Received By:	Date: 3/27/00 Time: 1700
Relinquished By:	Date: 3/27/00 Time:	Received By: Nelle Lane	Date: 3/28/00 Time: 0940
Relinquished By:	Date: Time:	Received By:	Date: Time:

Were Samples Received in Good Condition? Yes No Samples on Ice? Yes No Method of Shipment _____ Page ___ of ___

To be completed upon receipt of report:

1) Were the analyses requested on the Chain of Custody reported? Yes No If no, what analyses are still needed? _____

2) Was the report issued within the requested turnaround time? Yes No If no, what was the turnaround time? _____

Approved by: _____ Signature: _____ Company: _____ Date: _____

Pink - Client

Yellow - Sequoia

White - Sequoia