

May 4, 2001  
Project No. 006.03748.602

**SECOR**  
*International Incorporated*

Ms. Susan Hugo  
Hazardous Materials Specialist  
Alameda County HealthCare Services Agency  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502

MAY 10 2001

Rolo

**RE: Removal and Replacement of Product Lines, Dispensers and Canopy**

Tosco (Former BP) Service Station #11126  
1700 Powell Street  
Emeryville, California

Dear Ms. Hugo:

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 the product lines, dispensers, and canopy at Tosco (Former BP) Service Station #11126, located at 1700 Powell Street, Emeryville, California (the Site, see Figure 1). These activities were directed by Ms. Susan Hugo of the Alameda County Health Care Services Agency (ACHCSA).

**Background**

The Site is located on the northwest corner of Powell Street and Christie Avenue in Emeryville, 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. A total of nine (9) groundwater monitoring wells exist on the Site (see Figure 2, Site Plan with Sampling Locations).

A baseline Assessment Report prepared by EMCON in December 1994, at the time Tosco acquired the property from BP Oil Company, indicated that soil and groundwater beneath the Site had been impacted by petroleum hydrocarbons prior to Tosco's purchase. The extent and magnitude of the impact was not completely characterized. EMCON's assessment also determined that the Site and vicinity had formerly been used for a variety of industrial purposes including a former Pabco Products facility with above ground storage tanks (ASTs), a former automobile freight depot, and a former truck repair facility.

In April 1999, SECOR observed the removal of one 550-gallon waste oil UST along with a clarifier and hoist from the former service bays as part of Site remodeling activities. Soil samples collected from the vicinity of the former waste oil UST and service bays revealed impact to the subsurface by petroleum hydrocarbons. Elevated concentrations of lead were also detected in soil during station remodeling.

## **Canopy Removal and Replacement**

Removal and replacement of the canopy covering the gas dispensing areas was performed by Gettler Ryan Incorporated (GRI) of Dublin, California. The existing canopy was removed by GRI on February 26 and 27, 2001 and a new canopy installed in the same approximate location. The new canopy required eight (8) footings with caissons installed to approximately seventeen (17) feet below ground surface (bgs) at the locations shown on the attached Figure 2. Installation of the caissons required advancing eight (8) 4-foot diameter soil borings using a bucket auger. During caisson installation, approximately 150 cubic yards (cy) of soil (approximately 12 - 25 cy per boring) were excavated and removed from the Site.

During drilling activities, presumed fill materials such as pieces of cement, bricks, pipes, and various other types of debris were encountered. These materials ranged significantly in composition and size.

## **Product Line and Dispenser Removal and Replacement Activities**

Removal and replacement of product lines and dispensers was performed by GRI on March 28 and 30, 2001. Sampling activities were performed by SECOR, and observed and approved by Ms. Hugo. During removal of product lines soil in the trench excavation appeared to be stained, with suspected petroleum hydrocarbon odors. The entire length of the former product line trench was subsequently over-excavated an additional 1.5 feet to 3.5 feet bgs prior to sampling (see Figure 2 for trench and sample locations). Additional over-excavation was not practical due to the very shallow (4 to 6 feet bgs) depth to first encountered groundwater. An additional 150 cy of soil were removed from the Site during trenching and over-excavation activities. Due to insufficient grading, the former trenches were not suitable for re-use. GRI therefore backfilled the former trenches with clean imported backfill and excavated an additional 100 cy of soil installing new product line trenches at the locations shown on the attached Figure 3.

## **Soil Sampling – Product Lines and Dispensers**

On March 28, 2001, a total of four soil samples (designated PD-NW, 3.5', PD-NE, 3.5', PD-SW, 3.5', and PD-SE, 3.5') were collected from beneath each of the four product dispensers, and four soil samples (designated PL-1,4', PL-2,3', PL-3,3', and PL-4,3') 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, total petroleum hydrocarbons as diesel (TPHd) by EPA Method 8015, modified, benzene, toluene, ethylbenzene, and xylenes (BTEX compounds) by EPA Method 8020, and fuel oxygenates (methyl tertiary butyl ether or MTBE, tertiary amyl methyl ether or TAME, ethyl tertiary butyl ether or ETBE, di-isopropyl ether or DIPE, and tertiary butyl alcohol or TBA). Additionally, all samples were analyzed for total lead by EPA Method 6010A.

## **Soil Sampling – Additional Excavation**

As determined in the meeting on March 29, 2001, attended by Ms. Susan Hugo of the ACHCSA, Mr. David DeWitt of Tosco, and Mr. Robert Potter of SECOR, an additional five soil samples (designated OE-1, OE-2, OE-3, OE-4 and OE-5) were collected from the bottom of selected areas of the additional excavation (Figure 3) to further characterize shallow soil conditions in the vicinity of the fuel dispenser islands. Soil samples were analyzed as described above.

## **Analytical Results**

Product line, dispenser and additional excavation soil analytical data are presented in Table 1 and soil sample locations are shown on Figures 2 and 3. Field and laboratory procedures are presented in Attachment A. Certified analytical reports and chain-of-custody documentation are presented as Attachment B. TPHg was detected in each of the thirteen samples at a maximum concentration of 5,300 milligrams per kilogram (mg/kg) in sample PL-4-3.5', TPHd was detected in each of the thirteen samples at a maximum concentration of 630 mg/kg (sample PL-4-3.5'), and MtBE was detected in twelve of the thirteen samples at a maximum concentration of 8.4 mg/kg (sample PD-NE-3.5').

## **Stockpiled Soil**

Stockpiled soil analytical results are shown in Tables 2 and 3. Soil generated during excavation and drilling was stockpiled on plastic sheeting and contained by hay bale berms. The ambient air in both the vicinity of the excavation and the stockpile was monitored using a photoionization detector (PID) per the Bay Area Air Quality Management District (BAAQMD) Regulation 8, Rule 40, Aeration of Contaminated Soil and Removal of Underground Storage Tanks. The stockpile was kept covered with plastic sheeting at all times unless actively being stockpiled.

SECOR collected discrete soil samples and submitted the samples under chain-of-custody protocol to ChromaLab, Incorporated (ChromaLab) of Pleasanton, California and Sequoia Analytical Services (Sequoia) of Walnut Creek, California for compositing and chemical analysis. Soil stockpile composite samples were analyzed for TPHg by EPA Method 8015, modified and BTEX compounds by EPA Method 8020. Due to elevated concentrations of metals detected during previous investigations, soil samples were also analyzed for CAM 17 metals by EPA Method 6010.

Soil stockpile analytical results did not reveal significant concentrations of petroleum hydrocarbons. Of the 400 cy of soil removed from the Site, approximately 120 cy contained total lead concentrations greater than 50 mg/kg. Samples containing total lead concentrations greater than 50 mg/kg were subsequently analyzed for lead by Waste Extraction Test (WET) method for comparison with the soluble threshold limit concentration (STLC) and the toxicity characteristic leaching procedure (TCLP). Lead was detected above 5 milligrams per liter (mg/L) by WET analysis, but was not detected above 5 mg/L by TCLP analysis.

On March 16, 2001 Den Beste Trucking (DBT) of Windsor, California transported approximately 180 cy of soil generated during the installation of the canopy caissons as non-hazardous waste under bill-of-lading to Forward Landfill in Manteca, California. On March 19, 2001, approximately 30 cy of lead-impacted soil generated during the installation of the canopy caissons was transported as California hazardous waste to the Safety Kleen facility in Button Willow, California.

On April 17, 2001, Safety Kleen transported an additional 90 cy of lead-impacted soil generated during the excavation of the former and new product line trenches as California hazardous waste to their facility in Button Willow, California. On April 18, 2001, DBT transported approximately 100 cy of soil generated during the excavation of the former and new product line trenches as non-hazardous waste under bill-of-lading to Forward Landfill in Manteca, California.

### **Waste Water**

Approximately 15,000 gallons of groundwater were removed during de-watering of the UST cavity. The groundwater was temporarily stored on Site in a Baker tank pending transport to the Tosco Refinery in Rodeo, California for treatment and disposal by Onyx Industrial Services (Onyx) of Benecia, California on April 14 and 28, 2001. Approximately 4,000 gallons of polymerized drilling fluid was generated during the installation of the new canopy caissons. The drilling fluids were transported on May 1, 2001 to the Forward Landfill in Altamont, California as non-hazardous waste under bill-of-lading by Onyx.

### **Summary**

During recent station upgrade activities, petroleum hydrocarbons were detected in soil samples collected from the Site. Obviously impacted soil was over-excavated from the former product line trenches to the extent practical. Additional excavation of soil from the Site was infeasible due to the presence of shallow groundwater and fill material beneath the entire Site. Elevated concentrations of lead detected in soil are likely related to facilities located in the Site vicinity prior to the Site's use as a gasoline service station and the presence of fill material beneath the Site. A total of approximately 400 cy of soil were removed from the Site during upgrade activities.

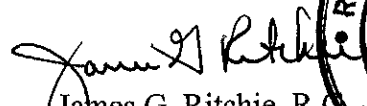
Groundwater monitoring is currently ongoing at the Site, and is being performed by BP Oil Company, the primary responsible party. In response to impact discovered during the recent product line replacement, SECOR recommends that quarterly monitoring continue. We feel that the current monitoring well network is sufficient to monitor the dissolved hydrocarbon plume, and that no additional action should be required of Tosco with respect to the replacement of product lines and dispensers.

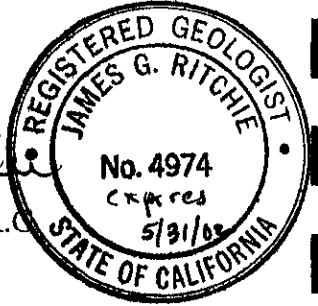
If you have any questions or comments regarding this letter, please call us at (650) 691-0131.

Sincerely,

**SECOR International Incorporated**

  
Robert Potter  
Project Manager

  
James G. Ritchie, R.C.  
Principal Geologist



Attachments:

Table 1 - Soil Analytical Data - Product Dispensers, Lines, and Over-Excavation Samples

Table 2 - Stockpiled Soil Analytical Data - Petroleum Hydrocarbons and Lead Analyses

Table 3 - Stockpiled Soil Analytical Data - CAM 17 Metals Analyses

Figure 1 - Site Location Map

Figure 2 - Site Plan with Soil Sampling Locations and Fiber Trench Excavation

Figure 3 - Site Plan with Soil Sampling Locations and Additional Excavation

Attachment A - Field and Laboratory Procedures

Attachment B - Certified Analytical Reports and Chain-of-Custody Documentation

cc: Mr. David DeWitt, Tosco Marketing Company  
Mr. Robert Weston, ACHCSA

Table 1

**Soil Analytical Data  
Product Dispensers, Lines, and Over-excavation Samples**

Tosco (Former BP) Service Station #11126  
1700 Powell Street  
Emeryville, California

Sample	Name	Sample Depth	Date Sampled	TPH as Gasoline (mg/kg)	TPH as Diesel (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	MTBE (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	Total Lead (mg/kg)
<b>Product Dispenser Samples</b>															
PD-NW,3.5'		3.5'	03/28/01	130	43	0.65	<0.1	3.7	1.9	0.87	<0.25	<0.1	<0.1	<0.1	83
PD-NE,3.5'		3.5'	03/28/01	96	15	0.38	0.11	0.55	1.3	8.4	<0.25	<0.1	<0.1	1.5	46
PD-SW,3.5'		3.5'	03/28/01	260	6.6	1.1	0.4	3.8	12	1.1	<0.25	<0.1	<0.1	0.13	6.7
PD-SE,3.5'		3.5'	03/28/01	12	8.1	0.15	0.95	0.28	1.8	1	<0.25	<0.1	<0.1	<0.1	6.8
<b>Product Line Samples</b>															
PL-1,4'		4'	03/28/01	1,000	38	1.8	0.2	9.7	25	5.8	<0.25	<0.1	<0.1	0.28	NA
PL-2,3'		3'	03/28/01	180	24	0.14	0.17	2.8	13	0.28	<0.25	<0.1	<0.1	<0.1	NA
PL-3,3'		3'	03/28/01	4,700	630	3.6	57	68	340	3.8	<0.25	<0.1	<0.1	<0.1	NA
PL-4,3'		3'	03/28/01	5,300	570	4.9	96	48	280	7.4	<0.25	<0.1	<0.1	<0.1	NA
<b>Overexcavation Samples</b>															
OE-1		NA	03/30/01	8.6	3.3	0.059	0.065	0.047	0.065	<0.1	<0.25	<0.1	<0.1	<0.1	19
OE-2		NA	03/30/01	63	16	1.7	0.84	5	1.7	2.1	<0.25	<0.1	<0.1	0.15	870
OE-3		NA	03/30/01	22	3.4	0.42	1.5	0.6	3	2.1	<0.25	<0.1	<0.1	<0.1	54
OE-4		NA	03/30/01	14	9.9	0.09	0.1	0.18	0.18	0.15	<0.25	<0.1	<0.1	<0.1	87
OE-5		NA	03/30/01	2.9	1	0.071	0.047	0.061	0.043	0.95	<0.25	<0.1	<0.1	<0.1	27
Sample depth in feet below ground surface															
TPH = Total petroleum hydrocarbons															
MTBE = Methyl tertiary butyl ether															
TBA = Tertiary butyl alcohol															
DIPE = Di-isopropyl ether															
ETBE = Ethyl tertiary butyl ether															
TAME = Tertiary amyl methyl ether															
NA = Not analyzed															
mg/kg = Milligrams per kilogram															

**Table 2**  
**Stockpiled Soil Analytical Data**  
**Petroleum Hydrocarbons and Lead Analyses**  
 Tosco (Former BP) Service Station #11126  
 1700 Powell Street  
 Emeryville, California

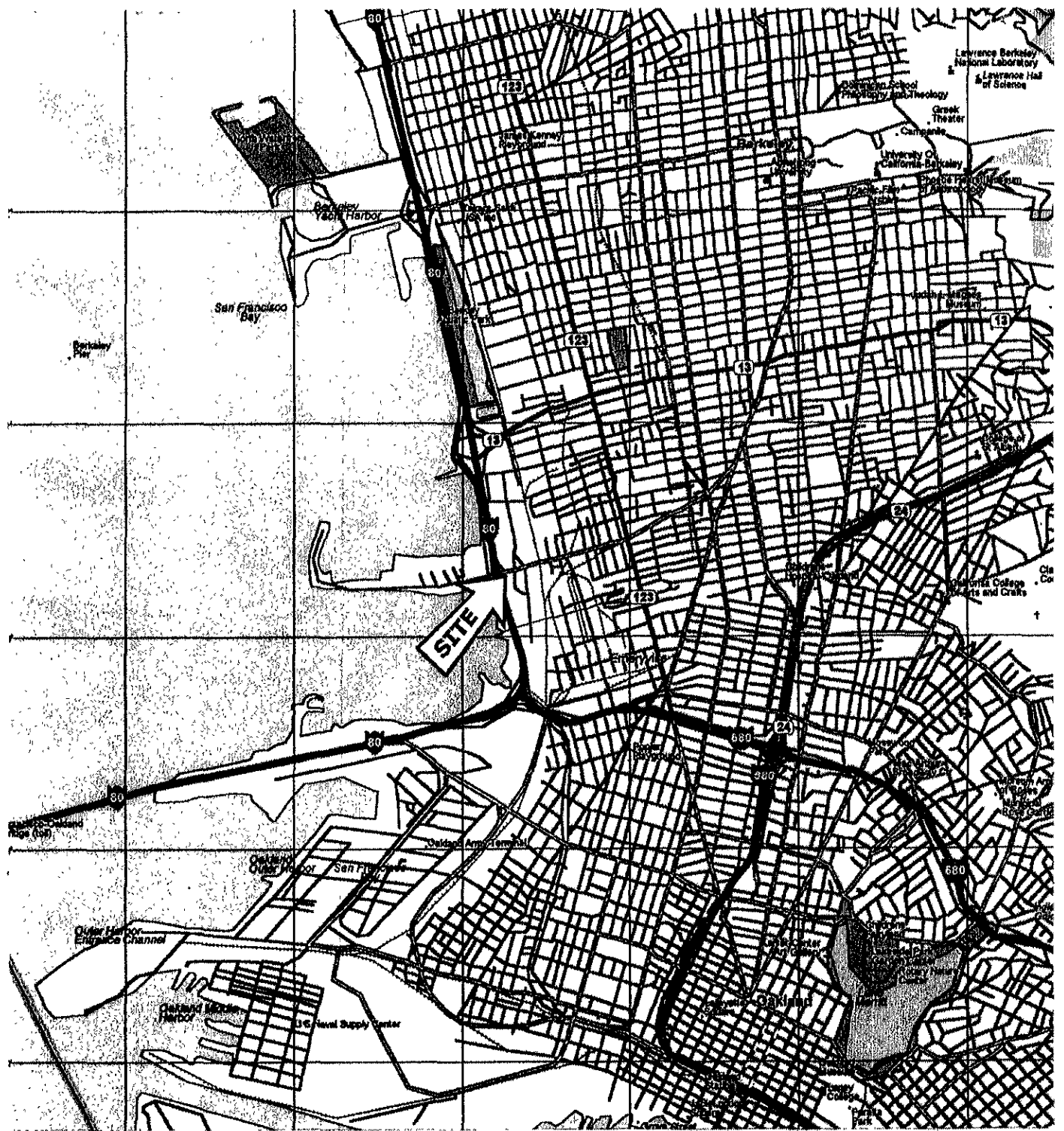
Sample	Name	Sample Depth	Date Sampled	TPH as Gasoline (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total Lead (mg/kg)	STLC Lead (mg/L)	TCLP Lead (mg/L)
<b>Stockpile Samples</b>											
SP-1, 2, 3, 4			03/02/01	12	0.045	0.11	0.043	0.08	NA	10	<0.5
SP-5,6,7,8			03/07/01	120	<0.62	<0.62	<0.62	<0.62	NA	1	NA
SP-9,10,11,12			03/13/01	320	<1.2	2.1	2.3	3.7	NA	<0.5	NA
SP-13, ABCD			03/28/01	780	1.3	3	7.4	41	160	5.9	NA
TBPG-1, ABCD			03/28/01	1.9	0.02	0.02	0.017	4.2	11	0.5	NA
SP-14, ABCD			04/04/01	5.6	0.075	0.047	0.076	0.18	160	12	NA
SP-14, EFGH			04/04/01	18	0.034	0.047	0.026	0.2	190	3.2	NA
Sample depth in feet below ground surface											
TPH = Total petroleum hydrocarbons											
NA = Not analyzed											
mg/kg = Milligrams per kilogram											
mg/L = Milligrams per liter											
STLC = Soluble Threshold Limit Concentration											
TCLP = Toxicity Characteristic Leaching Procedure											

Table 3

**Stockpiled Soil Analytical Data -  
CAM 17 Metals Analyses**  
Tosco (Former BP) Service Station #11126  
1700 Powell Street  
Emeryville, California

Sample Name	Date Sampled	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Cobalt (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Vanadium (mg/kg)	Zinc (mg/kg)	Mercury (mg/kg)
<b>Stockpile Samples</b>												
SP-1, 2, 3, 4	03/02/01	4.9	110	0.73	21	6.9	34	69	21	<1.0	99	0.12
SP-5,6,7,8	03/07/01	1.2	99	0.63	20	8.1	18	170	26	20	110	0.1
SP-9,10,11,12	03/13/01	3.5	150	0.82	24	10	25	72	29	29	87	0.11
mg/kg = Milligrams per kilogram												





REFERENCE: U.S. GEOLOGICAL SURVEY, 7.5 MINUTE SERIES  
 OAKLAND WEST, CALIFORNIA, QUADRANGLE,  
 1980.

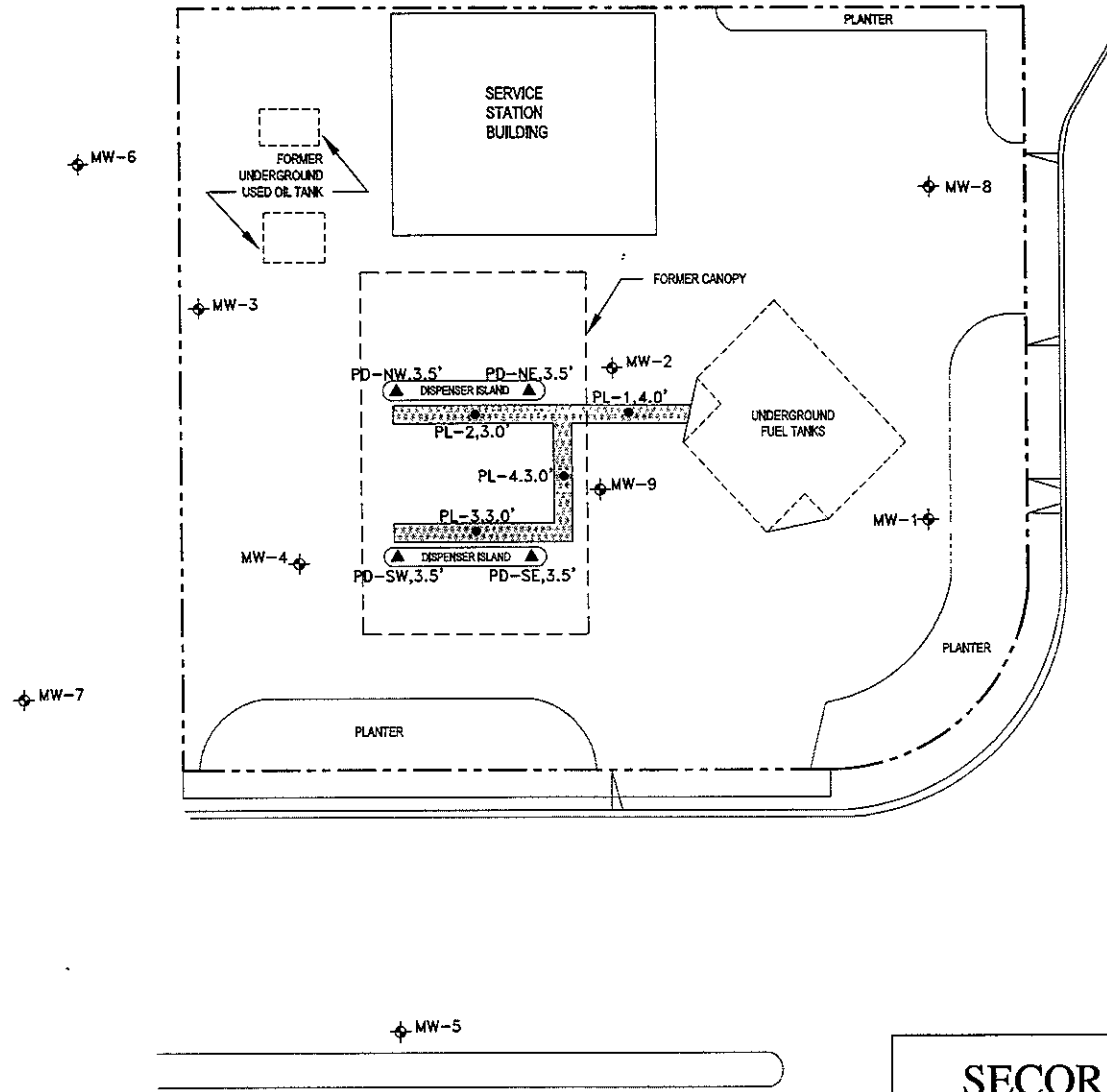


**SECOR**  
*International  
 Incorporated*

DRAWN	ON
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JOB NO.	006.03748.602

**FIGURE 1**  
 TOSCO (FORMER BP) SERVICE STATION #11126  
 1700 POWELL STREET  
 EMERYVILLE, CALIFORNIA  
 SITE LOCATION MAP

191808 050945 X:\01\06\040\105601\105601-1125-006.03748.601-001.DWG 4-24-01



**LEGEND**

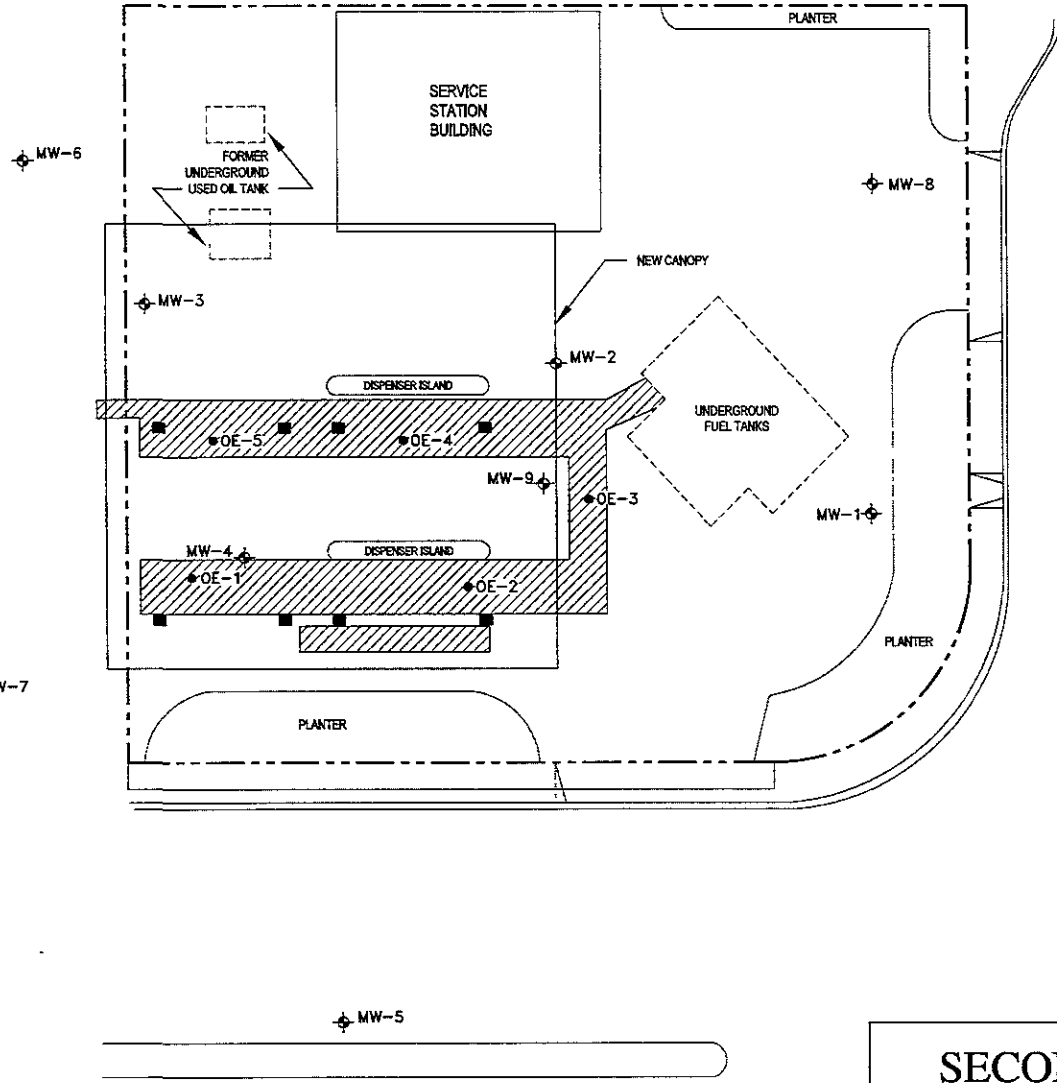
	GROUNDWATER MONITORING WELL LOCATION
	SITE BOUNDARY
	DISPENSER SAMPLE LOCATION
	FIBER TRENCH SAMPLE LOCATION
	PRODUCT LINE TRENCH

**SECOR**  
International Incorporated

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DATE	24 APRIL 01
JOB NO.	006.03748.602

**FIGURE 2**  
TOSCO (FORMER BP) # 11126  
1700 POWELL STREET  
EMERYVILLE, CALIFORNIA  
**SITE PLAN WITH SOIL SAMPLING LOCATIONS AND  
FIBER TRENCH EXCAVATION**

199804 050445 X:\WALNUT\ACAD\TOSCO\TOSCO-1178-006 03748.601.DWG 4-24-01



- LEGEND**
- ⊕ MW-8 GROUNDWATER MONITORING WELL LOCATION
  - - - - SITE BOUNDARY
  - OE-3 ● ADDITIONAL EXCAVATION SAMPLE
  - NEW CANOPY FOOTINGS
  - ▨ NEW PRODUCT LINE TRENCH

0 20 40  
SCALE IN FEET

**SECOR**  
*International Incorporated*

DRAWN	GEL
APPR	RP
DATE	24 APRIL 01
JOB NO.	006.03748.602

**FIGURE 3**  
TOSCO (FORMER BP) # 11126  
1700 POWELL STREET  
EMERYVILLE, CALIFORNIA  
**SITE PLAN WITH SOIL SAMPLING LOCATIONS AND  
ADDITIONAL EXCAVATION**

**ATTACHMENT A**  
**FIELD AND LABORATORY PROCEDURES**

**ATTACHMENT A**  
**FIELD AND LABORATORY PROCEDURES**

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**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 and BTEX compounds was performed by EPA Methods 8015 Modified, and 8020, respectively. Analysis of fuel oxygenates was performed in EPA Method 8260, and analysis of CAM 17 metals was performed by EPA 6010A.

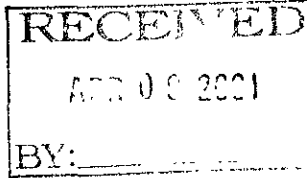
**ATTACHMENT B**

**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



5 April, 2001

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

RE: Tosco  
Sequoia Report: W103619

Enclosed are the results of analyses for samples received by the laboratory on 28-Mar-01 15:35. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

  
Dimple Sharma  
Project Manager

CA ELAP Certificate #1271





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

Project: Tosco  
Project Number: Tosco # 11126  
Project Manager: Robert Potter

**Reported:**  
05-Apr-01 16:16

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PD-NW,3.5'	W103619-01	Soil	28-Mar-01 00:00	28-Mar-01 15:35
PD-NE,3.5'	W103619-02	Soil	28-Mar-01 00:00	28-Mar-01 15:35
PD-SW,3.5'	W103619-03	Soil	28-Mar-01 00:00	28-Mar-01 15:35
PD-SE,3.5'	W103619-04	Soil	28-Mar-01 00:00	28-Mar-01 15:35
PL-1,4'	W103619-05	Soil	28-Mar-01 00:00	28-Mar-01 15:35
PL-2,3'	W103619-06	Soil	28-Mar-01 00:00	28-Mar-01 15:35
PL-3,3'	W103619-07	Soil	28-Mar-01 00:00	28-Mar-01 15:35
PL-4, 3'	W103619-08	Soil	28-Mar-01 00:00	28-Mar-01 15:35







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

Project: Tosco  
Project Number: Tosco # 11126  
Project Manager: Robert Potter

Reported:  
05-Apr-01 16:16

**Total Purgeable Hydrocarbons by DHS LUFT**  
**Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>PD-NW,3.5' (W103619-01) Soil</b> Sampled: 28-Mar-01 00:00 Received: 28-Mar-01 15:35 <span style="float:right">P-01</span>									
Purgeable Hydrocarbons	130	20	mg/kg	400	1C28018	28-Mar-01	29-Mar-01	EPA 8015M	
Surrogate: a,a,a-Trifluorotoluene		104 %	40-140		"	"	"	"	
<b>PD-NE,3.5' (W103619-02) Soil</b> Sampled: 28-Mar-01 00:00 Received: 28-Mar-01 15:35 <span style="float:right">P-01</span>									
Purgeable Hydrocarbons	96	10	mg/kg	200	1C28018	28-Mar-01	29-Mar-01	EPA 8015M	
Surrogate: a,a,a-Trifluorotoluene		65.3 %	40-140		"	"	"	"	
<b>PD-SW,3.5' (W103619-03) Soil</b> Sampled: 28-Mar-01 00:00 Received: 28-Mar-01 15:35 <span style="float:right">P-01</span>									
Purgeable Hydrocarbons	260	10	mg/kg	200	1C28018	28-Mar-01	29-Mar-01	EPA 8015M	
Surrogate: a,a,a-Trifluorotoluene		165 %	40-140		"	"	"	"	S-02
<b>PD-SE,3.5' (W103619-04) Soil</b> Sampled: 28-Mar-01 00:00 Received: 28-Mar-01 15:35 <span style="float:right">P-01</span>									
Purgeable Hydrocarbons	12	1.0	mg/kg	20	1C28018	28-Mar-01	29-Mar-01	EPA 8015M	
Surrogate: a,a,a-Trifluorotoluene		77.3 %	40-140		"	"	"	"	
<b>PL-1,4' (W103619-05) Soil</b> Sampled: 28-Mar-01 00:00 Received: 28-Mar-01 15:35 <span style="float:right">P-01</span>									
Purgeable Hydrocarbons	1000	500	mg/kg	10000	1C28018	28-Mar-01	29-Mar-01	EPA 8015M	
Surrogate: a,a,a-Trifluorotoluene		%	40-140		"	"	"	"	S-01
<b>PL-2,3' (W103619-06) Soil</b> Sampled: 28-Mar-01 00:00 Received: 28-Mar-01 15:35 <span style="float:right">P-01</span>									
Purgeable Hydrocarbons	180	100	mg/kg	2000	1C28018	28-Mar-01	29-Mar-01	EPA 8015M	
Surrogate: a,a,a-Trifluorotoluene		%	40-140		"	"	"	"	
<b>PL-3,3' (W103619-07) Soil</b> Sampled: 28-Mar-01 00:00 Received: 28-Mar-01 15:35 <span style="float:right">P-01</span>									
Purgeable Hydrocarbons	4700	500	mg/kg	10000	1C28018	28-Mar-01	29-Mar-01	EPA 8015M	
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 # 11126  
Project Manager: Robert Potter

**Reported:**  
05-Apr-01 16:16

**Total Purgeable Hydrocarbons by DHS LUFT  
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PL-4, 3' (W103619-08) Soil Sampled: 28-Mar-01 00:00 Received: 28-Mar-01 15:35									P-01
Purgeable Hydrocarbons	5300	500	mg/kg	10000	1C28018	28-Mar-01	29-Mar-01	EPA 8015M	
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 # 11126  
Project Manager: Robert Potter

Reported:  
05-Apr-01 16:16

**Diesel Hydrocarbons (C9-C24) by DHS LUFT  
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>PD-NW,3.5' (W103619-01) Soil</b> Sampled: 28-Mar-01 00:00 Received: 28-Mar-01 15:35									
Diesel Range Hydrocarbons	43	1.0	mg/kg	1	1C28017	28-Mar-01	30-Mar-01	DHS LUFT	D-14
Surrogate: n-Pentacosane		128 %	50-150		"	"	"	"	
<b>PD-NE,3.5' (W103619-02) Soil</b> Sampled: 28-Mar-01 00:00 Received: 28-Mar-01 15:35									
Diesel Range Hydrocarbons	15	1.0	mg/kg	1	1C28017	28-Mar-01	30-Mar-01	DHS LUFT	D-14
Surrogate: n-Pentacosane		123 %	50-150		"	"	"	"	
<b>PD-SW,3.5' (W103619-03) Soil</b> Sampled: 28-Mar-01 00:00 Received: 28-Mar-01 15:35									
Diesel Range Hydrocarbons	6.6	1.0	mg/kg	1	1C28017	28-Mar-01	28-Mar-01	DHS LUFT	D-11
Surrogate: n-Pentacosane		88.0 %	50-150		"	"	"	"	
<b>PD-SE,3.5' (W103619-04) Soil</b> Sampled: 28-Mar-01 00:00 Received: 28-Mar-01 15:35									
Diesel Range Hydrocarbons	8.1	1.0	mg/kg	1	1C28017	28-Mar-01	28-Mar-01	DHS LUFT	D-14
Surrogate: n-Pentacosane		91.0 %	50-150		"	"	"	"	
<b>PL-1,4' (W103619-05) Soil</b> Sampled: 28-Mar-01 00:00 Received: 28-Mar-01 15:35									
Diesel Range Hydrocarbons	38	1.0	mg/kg	1	1C28017	28-Mar-01	30-Mar-01	DHS LUFT	D-14
Surrogate: n-Pentacosane		115 %	50-150		"	"	"	"	
<b>PL-2,3' (W103619-06) Soil</b> Sampled: 28-Mar-01 00:00 Received: 28-Mar-01 15:35									
Diesel Range Hydrocarbons	24	1.0	mg/kg	1	1C28017	28-Mar-01	28-Mar-01	DHS LUFT	D-14
Surrogate: n-Pentacosane		111 %	50-150		"	"	"	"	
<b>PL-3,3' (W103619-07) Soil</b> Sampled: 28-Mar-01 00:00 Received: 28-Mar-01 15:35									
Diesel Range Hydrocarbons	630	10	mg/kg	10	1C28017	28-Mar-01	02-Apr-01	DHS LUFT	D-11
Surrogate: n-Pentacosane		331 %	50-150		"	"	"	"	S-04





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

Project: Tosco  
Project Number: Tosco # 11126  
Project Manager: Robert Potter

**Reported:**  
05-Apr-01 16:16

**Diesel Hydrocarbons (C9-C24) by DHS LUFT**

**Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PL-4, 3' (W103619-08) Soil Sampled: 28-Mar-01 00:00 Received: 28-Mar-01 15:35									
Diesel Range Hydrocarbons	570	10	mg/kg	10	1C28017	28-Mar-01	28-Mar-01	DHS LUFT	D-11
Surrogate: n-Pentacosane		9.01 %	50-150		"	"	"	"	S-06





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

Project: Tosco  
Project Number: Tosco # 11126  
Project Manager: Robert Potter

Reported:  
05-Apr-01 16:16

**BTEX by EPA Method 8260B**  
**Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>PD-NW,3.5' (W103619-01) Soil</b> Sampled: 28-Mar-01 00:00    Received: 28-Mar-01 15:35									
Benzene	0.65	0.10	mg/kg	100	1C28011	28-Mar-01	28-Mar-01	EPA 8260A	
Toluene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	3.7	0.10	"	"	"	"	"	"	
Xylenes (total)	1.9	0.10	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane		104 %	50-150	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		118 %	50-150	"	"	"	"	"	
Surrogate: Toluene-d8		100 %	50-150	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	50-150	"	"	"	"	"	

<b>PD-NE,3.5' (W103619-02) Soil</b> Sampled: 28-Mar-01 00:00    Received: 28-Mar-01 15:35									
Benzene	0.38	0.10	mg/kg	100	1C28011	28-Mar-01	29-Mar-01	EPA 8260A	
Toluene	0.11	0.10	"	"	"	"	"	"	
Ethylbenzene	0.55	0.10	"	"	"	"	"	"	
Xylenes (total)	1.3	0.10	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane		102 %	50-150	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		106 %	50-150	"	"	"	"	"	
Surrogate: Toluene-d8		104 %	50-150	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	50-150	"	"	"	"	"	

<b>PD-SW,3.5' (W103619-03) Soil</b> Sampled: 28-Mar-01 00:00    Received: 28-Mar-01 15:35									
Benzene	1.1	0.10	mg/kg	100	1C28011	28-Mar-01	29-Mar-01	EPA 8260A	
Toluene	0.40	0.10	"	"	"	"	"	"	
Ethylbenzene	3.8	0.10	"	"	"	"	"	"	
Xylenes (total)	12	0.10	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane		102 %	50-150	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		114 %	50-150	"	"	"	"	"	
Surrogate: Toluene-d8		102 %	50-150	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	50-150	"	"	"	"	"	





Secor - Mountain View  
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Project: Tosco  
Project Number: Tosco # 11126  
Project Manager: Robert Potter

Reported:  
05-Apr-01 16:16

**BTEX by EPA Method 8260B**  
**Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>PD-SE,3.5' (W103619-04) Soil    Sampled: 28-Mar-01 00:00    Received: 28-Mar-01 15:35</b>									
Benzene	0.15	0.10	mg/kg	100	1C28011	28-Mar-01	29-Mar-01	EPA 8260A	
Toluene	0.95	0.10	"	"	"	"	"	"	
Ethylbenzene	0.28	0.10	"	"	"	"	"	"	
Xylenes (total)	1.8	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		100 %	50-150		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		100 %	50-150		"	"	"	"	
Surrogate: Toluene-d8		102 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	50-150		"	"	"	"	
<b>PL-1,4' (W103619-05) Soil    Sampled: 28-Mar-01 00:00    Received: 28-Mar-01 15:35</b>									
Benzene	1.8	0.10	mg/kg	100	1C28011	28-Mar-01	29-Mar-01	EPA 8260A	
Toluene	0.20	0.10	"	"	"	"	"	"	
Ethylbenzene	9.7	0.10	"	"	"	"	"	"	
Xylenes (total)	25	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		98.0 %	50-150		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		100 %	50-150		"	"	"	"	
Surrogate: Toluene-d8		100 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		112 %	50-150		"	"	"	"	
<b>PL-2,3' (W103619-06) Soil    Sampled: 28-Mar-01 00:00    Received: 28-Mar-01 15:35</b>									
Benzene	0.14	0.10	mg/kg	100	1C28011	28-Mar-01	29-Mar-01	EPA 8260A	
Toluene	0.17	0.10	"	"	"	"	"	"	
Ethylbenzene	2.8	0.10	"	"	"	"	"	"	
Xylenes (total)	13	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		100 %	50-150		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		102 %	50-150		"	"	"	"	
Surrogate: Toluene-d8		100 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		100 %	50-150		"	"	"	"	





Secor - Mountain View  
1225 Pear Ave., Ste 110  
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Project: Tosco  
Project Number: Tosco # 11126  
Project Manager: Robert Potter

Reported:  
05-Apr-01 16:16

**BTEX by EPA Method 8260B  
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>PL-3,3' (W103619-07) Soil Sampled: 28-Mar-01 00:00 Received: 28-Mar-01 15:35</b>									
Benzene	3.6	0.10	mg/kg	100	1C28011	28-Mar-01	29-Mar-01	EPA 8260A	
Toluene	57	2.0	"	2000	"	"	"	"	
Ethylbenzene	68	2.0	"	"	"	"	"	"	
Xylenes (total)	340	2.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		92.0 %	50-150		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		136 %	50-150		"	"	"	"	
Surrogate: Toluene-d8		170 %	50-150		"	"	"	"	S-04
Surrogate: 4-Bromofluorobenzene		132 %	50-150		"	"	"	"	

<b>PL-4, 3' (W103619-08) Soil Sampled: 28-Mar-01 00:00 Received: 28-Mar-01 15:35</b>									
Benzene	4.9	0.10	mg/kg	100	1C28011	28-Mar-01	29-Mar-01	EPA 8260A	
Toluene	96	2.0	"	2000	"	"	"	"	
Ethylbenzene	48	2.0	"	"	"	"	"	"	
Xylenes (total)	280	2.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		92.0 %	50-150		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		128 %	50-150		"	"	"	"	
Surrogate: Toluene-d8		170 %	50-150		"	"	"	"	S-04
Surrogate: 4-Bromofluorobenzene		132 %	50-150		"	"	"	"	





Secor - Mountain View  
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Project: Tosco  
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Project Manager: Robert Potter

**Reported:**  
05-Apr-01 16:16

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>PD-NW,3.5' (W103619-01) Soil Sampled: 28-Mar-01 00:00 Received: 28-Mar-01 15:35</b>									
Lead	83	1.0	mg/kg	1	1C28019	28-Mar-01	29-Mar-01	EPA 6010A	
<b>PD-SW,3.5' (W103619-03) Soil Sampled: 28-Mar-01 00:00 Received: 28-Mar-01 15:35</b>									
Lead	46	1.0	mg/kg	1	1C28019	28-Mar-01	29-Mar-01	EPA 6010A	
<b>PL-1,4' (W103619-05) Soil Sampled: 28-Mar-01 00:00 Received: 28-Mar-01 15:35</b>									
Lead	6.7	1.0	mg/kg	1	1C28019	28-Mar-01	29-Mar-01	EPA 6010A	
<b>PL-4, 3' (W103619-08) Soil Sampled: 28-Mar-01 00:00 Received: 28-Mar-01 15:35</b>									
Lead	6.8	1.0	mg/kg	1	1C28019	28-Mar-01	29-Mar-01	EPA 6010A	







Secor - Mountain View  
1225 Pear Ave., Ste 110  
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Project: Tosco  
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Project Manager: Robert Potter

Reported:  
05-Apr-01 16:16

**Volatile Organic Compounds by EPA Method 8260B**  
**Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>PD-NW,3.5' (W103619-01) Soil</b> <b>Sampled: 28-Mar-01 00:00</b> <b>Received: 28-Mar-01 15:35</b>									
tert-Butyl alcohol	ND	2.5	mg/kg	100	1C28011	28-Mar-01	28-Mar-01	EPA 8260B	
Methyl tert-butyl ether	0.87	0.10	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.10	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		104 %	50-150		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		118 %	50-150		"	"	"	"	
<b>PD-NE,3.5' (W103619-02) Soil</b> <b>Sampled: 28-Mar-01 00:00</b> <b>Received: 28-Mar-01 15:35</b>									
tert-Butyl alcohol	ND	2.5	mg/kg	100	1C28011	28-Mar-01	29-Mar-01	EPA 8260B	
Methyl tert-butyl ether	8.4	0.10	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.10	"	"	"	"	"	"	
tert-Amyl methyl ether	1.5	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		102 %	50-150		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		106 %	50-150		"	"	"	"	
<b>PD-SW,3.5' (W103619-03) Soil</b> <b>Sampled: 28-Mar-01 00:00</b> <b>Received: 28-Mar-01 15:35</b>									
tert-Butyl alcohol	ND	2.5	mg/kg	100	1C28011	28-Mar-01	29-Mar-01	EPA 8260B	
Methyl tert-butyl ether	1.1	0.10	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.10	"	"	"	"	"	"	
tert-Amyl methyl ether	0.13	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		102 %	50-150		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		114 %	50-150		"	"	"	"	





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

Project: Tosco  
Project Number: Tosco # 11126  
Project Manager: Robert Potter

**Reported:**  
05-Apr-01 16:16

**Volatile Organic Compounds by EPA Method 8260B**  
**Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**PD-SE,3.5' (W103619-04) Soil** Sampled: 28-Mar-01 00:00 Received: 28-Mar-01 15:35

tert-Butyl alcohol	ND	2.5	mg/kg	100	1C28011	28-Mar-01	29-Mar-01	EPA 8260B	
Methyl tert-butyl ether	1.0	0.10	"	"	"	"	"	"	"
Di-isopropyl ether	ND	0.10	"	"	"	"	"	"	"
Ethyl tert-butyl ether	ND	0.10	"	"	"	"	"	"	"
tert-Amyl methyl ether	ND	0.10	"	"	"	"	"	"	"
Surrogate: Dibromofluoromethane		100 %	50-150		"	"	"	"	"
Surrogate: 1,2-Dichloroethane-d4		100 %	50-150		"	"	"	"	"

**PL-1,4' (W103619-05) Soil** Sampled: 28-Mar-01 00:00 Received: 28-Mar-01 15:35

tert-Butyl alcohol	ND	2.5	mg/kg	100	1C28011	28-Mar-01	29-Mar-01	EPA 8260B	
Methyl tert-butyl ether	5.8	0.10	"	"	"	"	"	"	"
Di-isopropyl ether	ND	0.10	"	"	"	"	"	"	"
Ethyl tert-butyl ether	ND	0.10	"	"	"	"	"	"	"
tert-Amyl methyl ether	0.28	0.10	"	"	"	"	"	"	"
Surrogate: Dibromofluoromethane		98.0 %	50-150		"	"	"	"	"
Surrogate: 1,2-Dichloroethane-d4		120 %	50-150		"	"	"	"	"

**PL-2,3' (W103619-06) Soil** Sampled: 28-Mar-01 00:00 Received: 28-Mar-01 15:35

tert-Butyl alcohol	ND	2.5	mg/kg	100	1C28011	28-Mar-01	29-Mar-01	EPA 8260B	
Methyl tert-butyl ether	0.28	0.10	"	"	"	"	"	"	"
Di-isopropyl ether	ND	0.10	"	"	"	"	"	"	"
Ethyl tert-butyl ether	ND	0.10	"	"	"	"	"	"	"
tert-Amyl methyl ether	ND	0.10	"	"	"	"	"	"	"
Surrogate: Dibromofluoromethane		100 %	50-150		"	"	"	"	"
Surrogate: 1,2-Dichloroethane-d4		102 %	50-150		"	"	"	"	"





Secor - Mountain View  
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Project: Tosco  
Project Number: Tosco # 11126  
Project Manager: Robert Potter

Reported:  
05-Apr-01 16:16

**Volatile Organic Compounds by EPA Method 8260B**  
**Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>PL-3,3' (W103619-07) Soil</b> Sampled: 28-Mar-01 00:00    Received: 28-Mar-01 15:35									
tert-Butyl alcohol	ND	2.5	mg/kg	100	1C28011	28-Mar-01	29-Mar-01	EPA 8260B	
<b>Methyl tert-butyl ether</b>	<b>3.8</b>	0.10	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.10	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.10	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		92.0 %		50-150	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		138 %		50-150	"	"	"	"	

<b>PL-4, 3' (W103619-08) Soil</b> Sampled: 28-Mar-01 00:00    Received: 28-Mar-01 15:35									
tert-Butyl alcohol	ND	2.5	mg/kg	100	1C28011	28-Mar-01	29-Mar-01	EPA 8260B	
<b>Methyl tert-butyl ether</b>	<b>7.4</b>	0.10	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.10	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.10	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		92.0 %		50-150	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		128 %		50-150	"	"	"	"	





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Reported:  
05-Apr-01 16:16

**Total Purgeable Hydrocarbons 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 1C28018 - EPA 5030B MeOH**

**Blank (1C28018-BLK1)**

Prepared: 28-Mar-01 Analyzed: 29-Mar-01

Purgeable Hydrocarbons	ND	1.0	mg/kg							
Benzene	ND	0.0050	"							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							

Surrogate: a,a,a-Trifluorotoluene	0.554		"	0.600		92.3	40-140			
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**LCS (1C28018-BS1)**

Prepared: 28-Mar-01 Analyzed: 29-Mar-01

Benzene	0.766	0.0050	mg/kg	0.800		95.7	50-150			
Toluene	0.784	0.0050	"	0.800		98.0	50-150			
Ethylbenzene	0.826	0.0050	"	0.800		103	50-150			
Xylenes (total)	2.52	0.0050	"	2.40		105	50-150			

Surrogate: a,a,a-Trifluorotoluene	0.598		"	0.600		99.7	40-140			
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Secor - Mountain View  
1225 Pear Ave., Ste 110  
Mountain View CA, 94043

Project: Tosco  
Project Number: Tosco # 11126  
Project Manager: Robert Potter

Reported:  
05-Apr-01 16:16

**Diesel Hydrocarbons (C9-C24) 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
<b>Batch 1C28017 - EPA 3550A</b>										
<b>Blank (1C28017-BLK1)</b> Prepared: 28-Mar-01 Analyzed: 03-Apr-01										
Diesel Range Hydrocarbons	ND	1.0	mg/kg							
Surrogate: n-Pentacosane	1.59		"	1.11		143	50-150			
<b>Blank (1C28017-BLK2)</b> Prepared: 30-Mar-01 Analyzed: 03-Apr-01										
Diesel Range Hydrocarbons	ND	1.0	mg/kg							
Surrogate: n-Pentacosane	0.889		"	1.11		80.1	50-150			
<b>LCS (1C28017-BS1)</b> Prepared: 28-Mar-01 Analyzed: 03-Apr-01										
Diesel Range Hydrocarbons	14.0	1.0	mg/kg	15.0		93.3	60-140			
Surrogate: n-Pentacosane	1.70		"	1.11		153	50-150			S-03
<b>LCS (1C28017-BS2)</b> Prepared: 30-Mar-01 Analyzed: 03-Apr-01										
Diesel Range Hydrocarbons	8.90	1.0	mg/kg	15.0		59.3	60-140			Q-01
Surrogate: n-Pentacosane	0.944		"	1.11		85.0	50-150			
<b>LCS Dup (1C28017-BSD1)</b> Prepared: 28-Mar-01 Analyzed: 03-Apr-01										
Diesel Range Hydrocarbons	16.7	1.0	mg/kg	15.0		111	60-140	17.6	40	
Surrogate: n-Pentacosane	1.91		"	1.11		172	50-150			S-03
<b>Matrix Spike (1C28017-MS1)</b> Source: W103619-01 Prepared: 28-Mar-01 Analyzed: 03-Apr-01										
Diesel Range Hydrocarbons	60.0	1.0	mg/kg	15.0	43	113	50-150			
Surrogate: n-Pentacosane	2.44		"	1.11		220	50-150			S-03
<b>Matrix Spike Dup (1C28017-MSD1)</b> Source: W103619-01 Prepared: 28-Mar-01 Analyzed: 03-Apr-01										
Diesel Range Hydrocarbons	94.7	1.0	mg/kg	15.0	43	345	50-150	44.9	50	Q-01
Surrogate: n-Pentacosane	2.36		"	1.11		213	50-150			S-03





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

Project: Tosco  
Project Number: Tosco # 11126  
Project Manager: Robert Potter

Reported:  
05-Apr-01 16:16

**BTEX by EPA Method 8260B - 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 1C28011 - EPA 5030B (MeOH)**

**Blank (1C28011-BLK1)**

Prepared: 28-Mar-01 Analyzed: 29-Mar-01

Benzene	ND	0.10	mg/kg							
Toluene	ND	0.10	"							
Ethylbenzene	ND	0.10	"							
Xylenes (total)	ND	0.10	"							
<i>Surrogate: Dibromofluoromethane</i>	2.15		"	2.50		86.0	50-150			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.30		"	2.50		92.0	50-150			
<i>Surrogate: Toluene-d8</i>	2.60		"	2.50		104	50-150			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.55		"	2.50		102	50-150			

**LCS (1C28011-BS1)**

Prepared: 28-Mar-01 Analyzed: 29-Mar-01

Benzene	2.14	0.10	mg/kg	2.50		85.6	70-130			
Toluene	2.15	0.10	"	2.50		86.0	70-130			
<i>Surrogate: Dibromofluoromethane</i>	2.35		"	2.50		94.0	50-150			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.35		"	2.50		94.0	50-150			
<i>Surrogate: Toluene-d8</i>	2.60		"	2.50		104	50-150			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.55		"	2.50		102	50-150			

**Matrix Spike (1C28011-MS1)**

Source: W103584-01

Prepared & Analyzed: 28-Mar-01

Benzene	2.21	0.10	mg/kg	2.50	ND	88.4	60-140			
Toluene	2.18	0.10	"	2.50	ND	87.2	60-140			
<i>Surrogate: Dibromofluoromethane</i>	2.50		"	2.50		100	50-150			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.65		"	2.50		106	50-150			
<i>Surrogate: Toluene-d8</i>	2.70		"	2.50		108	50-150			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.60		"	2.50		104	50-150			

**Matrix Spike Dup (1C28011-MSD1)**

Source: W103584-01

Prepared & Analyzed: 28-Mar-01

Benzene	2.61	0.10	mg/kg	2.50	ND	104	60-140	16.6	25	
Toluene	2.58	0.10	"	2.50	ND	103	60-140	16.8	25	
<i>Surrogate: Dibromofluoromethane</i>	2.50		"	2.50		100	50-150			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.75		"	2.50		110	50-150			
<i>Surrogate: Toluene-d8</i>	2.65		"	2.50		106	50-150			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.70		"	2.50		108	50-150			





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

Project: Tosco  
Project Number: Tosco # 11126  
Project Manager: Robert Potter

Reported:  
05-Apr-01 16:16

**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
<b>Batch 1C28019 - EPA 3050B</b>										
<b>Blank (1C28019-BLK1)</b>										
Prepared: 28-Mar-01 Analyzed: 29-Mar-01										
Lead	ND	1.0	mg/kg							
<b>LCS (1C28019-BS1)</b>										
Prepared: 28-Mar-01 Analyzed: 29-Mar-01										
Lead	51.9	1.0	mg/kg	50.0		104	80-120			
<b>LCS Dup (1C28019-BSD1)</b>										
Prepared: 28-Mar-01 Analyzed: 29-Mar-01										
Lead	52.5	1.0	mg/kg	50.0		105	80-120	1.15	20	





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

Project: Tosco  
Project Number: Tosco # 11126  
Project Manager: Robert Potter

Reported:  
05-Apr-01 16:16

**Volatile Organic Compounds by EPA Method 8260B - 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 1C28011 - EPA 5030B (MeOH)**

**Blank (1C28011-BLK1)**

Prepared: 28-Mar-01 Analyzed: 29-Mar-01

tert-Butyl alcohol	ND	2.5	mg/kg							
Methyl tert-butyl ether	ND	0.10	"							
Di-isopropyl ether	ND	0.10	"							
Ethyl tert-butyl ether	ND	0.10	"							
tert-Amyl methyl ether	ND	0.10	"							

Surrogate: Dibromofluoromethane

2.15 " 2.50 86.0 50-150

Surrogate: 1,2-Dichloroethane-d4

2.30 " 2.50 92.0 50-150

**LCS (1C28011-BS1)**

Prepared: 28-Mar-01 Analyzed: 29-Mar-01

Methyl tert-butyl ether	2.18	0.10	mg/kg	2.50		87.2	70-130			
Surrogate: Dibromofluoromethane	2.35		"	2.50		94.0	50-150			
Surrogate: 1,2-Dichloroethane-d4	2.35		"	2.50		94.0	50-150			

**Matrix Spike (1C28011-MS1)**

Source: W103584-01

Prepared & Analyzed: 28-Mar-01

Methyl tert-butyl ether	2.51	0.10	mg/kg	2.50	ND	100	60-140			
Surrogate: Dibromofluoromethane	2.50		"	2.50		100	50-150			
Surrogate: 1,2-Dichloroethane-d4	2.65		"	2.50		106	50-150			

**Matrix Spike Dup (1C28011-MSD1)**

Source: W103584-01

Prepared & Analyzed: 28-Mar-01

Methyl tert-butyl ether	2.92	0.10	mg/kg	2.50	ND	117	60-140	15.1	25	
Surrogate: Dibromofluoromethane	2.50		"	2.50		100	50-150			
Surrogate: 1,2-Dichloroethane-d4	2.75		"	2.50		110	50-150			







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1225 Pear Ave., Ste 110  
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Project: Tosco  
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**Reported:**  
05-Apr-01 16:16

### Notes and Definitions

- D-11 Chromatogram Pattern: Unidentified Hydrocarbons < C16
- D-14 Chromatogram Pattern: Unidentified Hydrocarbons C9-C24
- 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.
- S-02 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample.
- S-03 The surrogate recovery for this sample is outside of established control limits. Review of associated QC indicates the recovery for this surrogate does not represent an out-of-control condition.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- S-06 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
- RPD Relative Percent Difference



Nº 000918

# TOSCO

800 Jarvis Drive • Morgan Hill, CA 95037 • (408) 778-8888 FAX (408) 792-8888  
 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: <b>SECOR</b>		Project Name: <b>TOSCO 11126</b>	
Address: <b>1225 Pear Ave, # 110</b>		TOSCO Engineer (required) <b>Dave Dewitt</b>	
City: <b>Mt. View</b>	State: <b>CA</b>	Zip Code: <b>94043</b>	
Telephone: <b>650-691-0131</b>		FAX #:	
Report To: <b>Robert Potter</b>		Site #, City, State: <b>11126, Emeryville, CA</b>	
Sampler: <b>C. Melancon</b>		QC Data: <input 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 checked="" type="checkbox"/> 2 Work Days <input checked="" type="checkbox"/> 1 Work Day	<input type="checkbox"/> Drinking Water <input type="checkbox"/> Waste Water <input type="checkbox"/> Other	<b>Analyses Requested</b> <input type="checkbox"/> 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 checked="" type="checkbox"/> Volatile Organics (EPA 8260) <input checked="" type="checkbox"/> BTEX <input type="checkbox"/> MTBE Confirmation (EPA 8260) <input checked="" type="checkbox"/> Total Lead
<b>CODE:</b> <input type="checkbox"/> Misc. <input type="checkbox"/> Detect. <input type="checkbox"/> Eval. <input type="checkbox"/> Remed. <input type="checkbox"/> Demol. <input type="checkbox"/> 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)	Volatiles Organics (EPA 8260)	BTEX	MTBE Confirmation (EPA 8260)	Total Lead	Comments
1. PD-NW, 3.5'	3-28-01	Soil	1	Brass	-01A	X			X	X			X	
2. PD-NE, 3.5'			1		-02A	X			X	X			X	
3. PD-SW, 3.5'			1		-03A	X			X	X			X	* 24hr TAT
4. PD-SE, 3.5'			1		-04A	X			X	X			X	* 24hr TAT
5. PL-1, 4'			1		-05A	X			X	X			X	
6. PL-2, 3'			1		-06A	X			X	X			X	* 24hr TAT
7. PL-3, 3'			1		-07A	X			X	X			X	
8. PL-4, 3'			1		-08A	X			X	X			X	* 24hr TAT
9.														
10.														

Relinquished By: <i>[Signature]</i>	Date: 3-28-01	Time: 15:35	Received By: <i>[Signature]</i>	Date: 3/28/01	Time: 15:35
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
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

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

16 April, 2001

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

RE: Tosco  
Sequoia Report: W104023

Enclosed are the results of analyses for samples received by the laboratory on 02-Apr-01 14:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

  
Dimple Sharma  
Project Manager

CA ELAP Certificate #1271





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

Project: Tosco  
Project Number: Tosco # 11126  
Project Manager: Robert Potter


**Reported:**  
16-Apr-01 14:44

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
OE-1	W104023-01	Soil	30-Mar-01 13:20	02-Apr-01 14:15
OE-2	W104023-02	Soil	30-Mar-01 13:15	02-Apr-01 14:15
OE-3	W104023-03	Soil	30-Mar-01 13:10	02-Apr-01 14:15
OE-4	W104023-04	Soil	30-Mar-01 13:05	02-Apr-01 14:15
OE-5	W104023-05	Soil	30-Mar-01 13:00	02-Apr-01 14:15

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 # 11126  
Project Manager: Robert Potter

Reported:  
16-Apr-01 14:44

**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
<b>OE-1 (W104023-01) Soil</b> Sampled: 30-Mar-01 13:20 Received: 02-Apr-01 14:15									P-01
Purgeable Hydrocarbons	8.6	2.5	mg/kg	50	1D04010	04-Apr-01	09-Apr-01	DHS LUFT	
Benzene	0.059	0.013	"	"	"	"	"	"	
Toluene	0.065	0.013	"	"	"	"	"	"	
Ethylbenzene	0.047	0.013	"	"	"	"	"	"	
Xylenes (total)	0.065	0.013	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		92.0 %	40-140		"	"	"	"	
<b>OE-2 (W104023-02) Soil</b> Sampled: 30-Mar-01 13:15 Received: 02-Apr-01 14:15									P-01
Purgeable Hydrocarbons	63	25	mg/kg	500	1D04010	04-Apr-01	09-Apr-01	DHS LUFT	
Benzene	1.7	0.13	"	"	"	"	"	"	
Toluene	0.84	0.13	"	"	"	"	"	"	
Ethylbenzene	5.0	0.13	"	"	"	"	"	"	
Xylenes (total)	1.7	0.13	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		%	40-140		"	"	"	"	S-01
<b>OE-3 (W104023-03) Soil</b> Sampled: 30-Mar-01 13:10 Received: 02-Apr-01 14:15									P-01
Purgeable Hydrocarbons	22	10	mg/kg	200	1D04010	04-Apr-01	09-Apr-01	DHS LUFT	
Benzene	0.42	0.050	"	"	"	"	"	"	
Toluene	1.5	0.050	"	"	"	"	"	"	
Ethylbenzene	0.60	0.050	"	"	"	"	"	"	
Xylenes (total)	3.0	0.050	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		96.7 %	40-140		"	"	"	"	
<b>OE-4 (W104023-04) Soil</b> Sampled: 30-Mar-01 13:05 Received: 02-Apr-01 14:15									P-01
Purgeable Hydrocarbons	14	2.5	mg/kg	50	1D04010	04-Apr-01	09-Apr-01	DHS LUFT	
Benzene	0.090	0.013	"	"	"	"	"	"	
Toluene	0.10	0.013	"	"	"	"	"	"	
Ethylbenzene	0.18	0.013	"	"	"	"	"	"	
Xylenes (total)	0.18	0.013	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		96.7 %	40-140		"	"	"	"	





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

Project: Tosco  
Project Number: Tosco # 11126  
Project Manager: Robert Potter

**Reported:**  
16-Apr-01 14:44

**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
OE-5 (W104023-05) Soil Sampled: 30-Mar-01 13:00 Received: 02-Apr-01 14:15									P-01
Purgeable Hydrocarbons	2.9	1.0	mg/kg	20	1D04010	04-Apr-01	09-Apr-01	DHS LUFT	
Benzene	0.071	0.0050	"	"	"	"	"	"	
Toluene	0.047	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.061	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.043	0.0050	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		115 %	40-140		"	"	"	"	





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

Project: Tosco  
Project Number: Tosco # 11126  
Project Manager: Robert Potter

**Reported:**  
16-Apr-01 14:44

**Diesel Hydrocarbons (C9-C24) by DHS LUFT  
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>OE-1 (W104023-01) Soil Sampled: 30-Mar-01 13:20 Received: 02-Apr-01 14:15</b>									
Diesel Range Hydrocarbons	3.3	1.0	mg/kg	1	1D09018	09-Apr-01	11-Apr-01	DHS LUFT	D-02
Surrogate: n-Pentacosane		103 %	50-150		"	"	"	"	
<b>OE-2 (W104023-02) Soil Sampled: 30-Mar-01 13:15 Received: 02-Apr-01 14:15</b>									
Diesel Range Hydrocarbons	16	1.0	mg/kg	1	1D09018	09-Apr-01	11-Apr-01	DHS LUFT	D-02
Surrogate: n-Pentacosane		165 %	50-150		"	"	"	"	S-02
<b>OE-3 (W104023-03) Soil Sampled: 30-Mar-01 13:10 Received: 02-Apr-01 14:15</b>									
Diesel Range Hydrocarbons	3.4	1.0	mg/kg	1	1D09018	09-Apr-01	10-Apr-01	DHS LUFT	D-14
Surrogate: n-Pentacosane		79.1 %	50-150		"	"	"	"	
<b>OE-4 (W104023-04) Soil Sampled: 30-Mar-01 13:05 Received: 02-Apr-01 14:15</b>									
Diesel Range Hydrocarbons	9.9	1.0	mg/kg	1	1D09018	09-Apr-01	11-Apr-01	DHS LUFT	D-02
Surrogate: n-Pentacosane		142 %	50-150		"	"	"	"	
<b>OE-5 (W104023-05) Soil Sampled: 30-Mar-01 13:00 Received: 02-Apr-01 14:15</b>									
Diesel Range Hydrocarbons	1.0	1.0	mg/kg	1	1D09018	09-Apr-01	11-Apr-01	DHS LUFT	D-12
Surrogate: n-Pentacosane		105 %	50-150		"	"	"	"	





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

Project: Tosco  
Project Number: Tosco # 11126  
Project Manager: Robert Potter

**Reported:**  
16-Apr-01 14:44

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>OE-1 (W104023-01) Soil</b> <b>Sampled: 30-Mar-01 13:20</b> <b>Received: 02-Apr-01 14:15</b>									
Lead	19	1.0	mg/kg	1	1D10001	10-Apr-01	10-Apr-01	EPA 6010A	
<b>OE-2 (W104023-02) Soil</b> <b>Sampled: 30-Mar-01 13:15</b> <b>Received: 02-Apr-01 14:15</b>									
Lead	870	1.0	mg/kg	1	1D10001	10-Apr-01	10-Apr-01	EPA 6010A	
<b>OE-3 (W104023-03) Soil</b> <b>Sampled: 30-Mar-01 13:10</b> <b>Received: 02-Apr-01 14:15</b>									
Lead	54	1.0	mg/kg	1	1D10001	10-Apr-01	10-Apr-01	EPA 6010A	
<b>OE-4 (W104023-04) Soil</b> <b>Sampled: 30-Mar-01 13:05</b> <b>Received: 02-Apr-01 14:15</b>									
Lead	87	1.0	mg/kg	1	1D10001	10-Apr-01	10-Apr-01	EPA 6010A	
<b>OE-5 (W104023-05) Soil</b> <b>Sampled: 30-Mar-01 13:00</b> <b>Received: 02-Apr-01 14:15</b>									
Lead	27	1.0	mg/kg	1	1D10001	10-Apr-01	10-Apr-01	EPA 6010A	







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

Project: Tosco  
Project Number: Tosco # 11126  
Project Manager: Robert Potter

Reported:  
16-Apr-01 14:44

**Volatile Organic Compounds by EPA Method 8260B**  
**Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>OE-1 (W104023-01) Soil</b> Sampled: 30-Mar-01 13:20 Received: 02-Apr-01 14:15									
tert-Butyl alcohol	ND	2.5	mg/kg	100	1D12017	11-Apr-01	12-Apr-01	EPA 8260B	
Methyl tert-butyl ether	ND	0.10	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.10	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		98.0 %	50-150		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	50-150		"	"	"	"	
<b>OE-2 (W104023-02) Soil</b> Sampled: 30-Mar-01 13:15 Received: 02-Apr-01 14:15									
tert-Butyl alcohol	ND	2.5	mg/kg	100	1D12017	11-Apr-01	12-Apr-01	EPA 8260B	
Methyl tert-butyl ether	2.1	0.10	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.10	"	"	"	"	"	"	
tert-Amyl methyl ether	0.15	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		100 %	50-150		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	50-150		"	"	"	"	
<b>OE-3 (W104023-03) Soil</b> Sampled: 30-Mar-01 13:10 Received: 02-Apr-01 14:15									
tert-Butyl alcohol	ND	2.5	mg/kg	100	1D12017	11-Apr-01	12-Apr-01	EPA 8260B	
Methyl tert-butyl ether	2.1	0.10	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.10	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		94.0 %	50-150		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		90.0 %	50-150		"	"	"	"	





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

Project: Tosco  
Project Number: Tosco # 11126  
Project Manager: Robert Potter

**Reported:**  
16-Apr-01 14:44

**Volatile Organic Compounds by EPA Method 8260B**  
**Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>OE-4 (W104023-04) Soil</b> Sampled: 30-Mar-01 13:05 Received: 02-Apr-01 14:15									
tert-Butyl alcohol	ND	2.5	mg/kg	100	1D12017	11-Apr-01	12-Apr-01	EPA 8260B	
Methyl tert-butyl ether	0.15	0.10	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.10	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		96.0 %	50-150		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		90.0 %	50-150		"	"	"	"	
<b>OE-5 (W104023-05) Soil</b> Sampled: 30-Mar-01 13:00 Received: 02-Apr-01 14:15									
tert-Butyl alcohol	ND	2.5	mg/kg	100	1D12017	11-Apr-01	12-Apr-01	EPA 8260B	
Methyl tert-butyl ether	0.95	0.10	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.10	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		94.0 %	50-150		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		82.0 %	50-150		"	"	"	"	





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

Project: Tosco  
Project Number: Tosco # 11126  
Project Manager: Robert Potter

Reported:  
16-Apr-01 14:44

## 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 1D04010 - EPA 5030B MeOH

#### Blank (1D04010-BLK1)

Prepared & Analyzed: 04-Apr-01

Purgeable Hydrocarbons	ND	1.0	mg/kg							
Benzene	ND	0.0050	"							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
<i>Surrogate: a,a,a-Trifluorotoluene</i>	0.656		"	0.600		109	40-140			

#### Blank (1D04010-BLK2)

Prepared: 05-Apr-01 Analyzed: 06-Apr-01

Purgeable Hydrocarbons	ND	1.0	mg/kg							
Benzene	ND	0.0050	"							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
<i>Surrogate: a,a,a-Trifluorotoluene</i>	0.682		"	0.600		114	40-140			

#### LCS (1D04010-BS1)

Prepared & Analyzed: 04-Apr-01

Benzene	0.852	0.0050	mg/kg	0.800		106	50-150			
Toluene	0.878	0.0050	"	0.800		110	50-150			
Ethylbenzene	0.910	0.0050	"	0.800		114	50-150			
Xylenes (total)	2.70	0.0050	"	2.40		112	50-150			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	0.742		"	0.600		124	40-140			

#### LCS (1D04010-BS2)

Prepared: 05-Apr-01 Analyzed: 06-Apr-01

Benzene	0.734	0.0050	mg/kg	0.800		91.8	50-150			
Toluene	0.764	0.0050	"	0.800		95.5	50-150			
Ethylbenzene	0.816	0.0050	"	0.800		102	50-150			
Xylenes (total)	2.39	0.0050	"	2.40		99.6	50-150			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	0.680		"	0.600		113	40-140			





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

Project: Tosco  
Project Number: Tosco # 11126  
Project Manager: Robert Potter

Reported:  
16-Apr-01 14:44

**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 1D04010 - EPA 5030B MeOH**

<b>Matrix Spike (1D04010-MS1)</b>		<b>Source: W104055-01</b>			<b>Prepared: 04-Apr-01</b>		<b>Analyzed: 06-Apr-01</b>			
Benzene	0.730	0.0050	mg/kg	0.800	ND	91.3	50-150			
Toluene	0.766	0.0050	"	0.800	ND	95.7	50-150			
Ethylbenzene	0.798	0.0050	"	0.800	ND	99.7	50-150			
Xylenes (total)	2.41	0.0050	"	2.40	ND	100	50-150			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	<i>0.604</i>		"	<i>0.600</i>		<i>101</i>	<i>40-140</i>			

<b>Matrix Spike Dup (1D04010-MSD1)</b>		<b>Source: W104055-01</b>			<b>Prepared: 04-Apr-01</b>		<b>Analyzed: 06-Apr-01</b>			
Benzene	0.732	0.0050	mg/kg	0.800	ND	91.5	50-150	0.274	20	
Toluene	0.770	0.0050	"	0.800	ND	96.2	50-150	0.521	20	
Ethylbenzene	0.804	0.0050	"	0.800	ND	101	50-150	0.749	20	
Xylenes (total)	2.44	0.0050	"	2.40	ND	102	50-150	1.24	20	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	<i>0.600</i>		"	<i>0.600</i>		<i>100</i>	<i>40-140</i>			





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

Project: Tosco  
Project Number: Tosco # 11126  
Project Manager: Robert Potter

Reported:  
16-Apr-01 14:44

**Diesel Hydrocarbons (C9-C24) 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
<b>Batch 1D09018 - EPA 3510B</b>										
<b>Blank (1D09018-BLK1)</b>				Prepared: 09-Apr-01 Analyzed: 10-Apr-01						
Diesel Range Hydrocarbons	ND	1.0	mg/kg							
Surrogate: n-Pentacosane	0.789		"	1.11		71.1	50-150			
<b>LCS (1D09018-BS1)</b>				Prepared: 09-Apr-01 Analyzed: 10-Apr-01						
Diesel Range Hydrocarbons	9.97	1.0	mg/kg	15.0		66.5	60-140			
Surrogate: n-Pentacosane	0.755		"	1.11		68.0	50-150			
<b>LCS Dup (1D09018-BSD1)</b>				Prepared: 09-Apr-01 Analyzed: 10-Apr-01						
Diesel Range Hydrocarbons	11.2	1.0	mg/kg	15.0		74.7	60-140	11.6	40	
Surrogate: n-Pentacosane	0.855		"	1.11		77.0	50-150			
<b>Matrix Spike (1D09018-MS1)</b>				Source: W104023-04		Prepared: 09-Apr-01 Analyzed: 12-Apr-01				
Diesel Range Hydrocarbons	13.9	1.0	mg/kg	15.0	9.9	26.7	50-150			Q-01
Surrogate: n-Pentacosane	1.22		"	1.11		110	50-150			
<b>Matrix Spike Dup (1D09018-MSD1)</b>				Source: W104023-04		Prepared: 09-Apr-01 Analyzed: 12-Apr-01				
Diesel Range Hydrocarbons	20.4	1.0	mg/kg	15.0	9.9	70.0	50-150	37.9	50	
Surrogate: n-Pentacosane	1.62		"	1.11		146	50-150			





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

Project: Tosco  
Project Number: Tosco # 11126  
Project Manager: Robert Potter

**Reported:**  
16-Apr-01 14:44

**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
<b>Batch 1D10001 - EPA 3050B</b>										
<b>Blank (1D10001-BLK1)</b>				Prepared & Analyzed: 10-Apr-01						
Lead	ND	1.0	mg/kg							
<b>LCS (1D10001-BS1)</b>				Prepared & Analyzed: 10-Apr-01						
Lead	49.7	1.0	mg/kg	50.0		99.4	80-120			
<b>LCS Dup (1D10001-BSD1)</b>				Prepared & Analyzed: 10-Apr-01						
Lead	44.8	1.0	mg/kg	50.0		89.6	80-120	10.4	20	
<b>Matrix Spike (1D10001-MS1)</b>				Source: W104023-01		Prepared & Analyzed: 10-Apr-01				
Lead	80.0	1.0	mg/kg	50.0	19	122	80-120			Q-02
<b>Matrix Spike Dup (1D10001-MSD1)</b>				Source: W104023-01		Prepared & Analyzed: 10-Apr-01				
Lead	78.2	1.0	mg/kg	50.0	19	118	80-120	2.28	20	





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

Project: Tosco  
Project Number: Tosco # 11126  
Project Manager: Robert Potter

Reported:  
16-Apr-01 14:44

**Volatile Organic Compounds by EPA Method 8260B - 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 1D12017 - EPA 5030B (MeOH)**

**Blank (1D12017-BLK1)**

Prepared: 11-Apr-01 Analyzed: 12-Apr-01

tert-Butyl alcohol	ND	2.5	mg/kg							
Methyl tert-butyl ether	ND	0.10	"							
Di-isopropyl ether	ND	0.10	"							
Ethyl tert-butyl ether	ND	0.10	"							
tert-Amyl methyl ether	ND	0.10	"							
<i>Surrogate: Dibromofluoromethane</i>	2.50		"	2.50		100	50-150			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.40		"	2.50		96.0	50-150			

**LCS (1D12017-BS1)**

Prepared: 11-Apr-01 Analyzed: 12-Apr-01

Methyl tert-butyl ether	2.21	0.10	mg/kg	2.50		88.4	70-130			
<i>Surrogate: Dibromofluoromethane</i>	2.40		"	2.50		96.0	50-150			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.15		"	2.50		86.0	50-150			

**Matrix Spike (1D12017-MS1)**

Source: W104063-09

Prepared: 11-Apr-01 Analyzed: 12-Apr-01

Methyl tert-butyl ether	2.46	0.10	mg/kg	2.50	ND	98.4	60-140			
<i>Surrogate: Dibromofluoromethane</i>	2.50		"	2.50		100	50-150			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.45		"	2.50		98.0	50-150			

**Matrix Spike Dup (1D12017-MSD1)**

Source: W104063-09

Prepared: 11-Apr-01 Analyzed: 12-Apr-01

Methyl tert-butyl ether	3.01	0.10	mg/kg	2.50	ND	120	60-140	20.1	25	
<i>Surrogate: Dibromofluoromethane</i>	2.45		"	2.50		98.0	50-150			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.45		"	2.50		98.0	50-150			





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

Project: Tosco  
Project Number: Tosco # 11126  
Project Manager: Robert Potter

**Reported:**  
16-Apr-01 14:44

## Notes and Definitions

- D-02 Chromatogram Pattern: Unidentified Hydrocarbons C9-C40.
- D-12 Chromatogram Pattern: Unidentified Hydrocarbons > C16
- D-14 Chromatogram Pattern: Unidentified Hydrocarbons C9-C24
- 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.
- Q-02 The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.
- S-01 The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interferences.
- S-02 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample.
- 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

- 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 International Inc</u>		Project Name: <u>Tosco # 11126</u> <u>W101023</u>	
Address: <u>1225 Pear Ave. Ste. 110</u>		TOSCO Engineer (required) <u>Dave DeWitt</u>	
City: <u>Mountain View</u> State: <u>CA</u> Zip Code: <u>94043</u>			
Telephone: <u>510-650-691-0131</u> FAX #: <u>650-691-9837</u>	Site #, City, State: <u>Tosco # 11126, Emeryville, CA</u>		
Report To: <u>Robert Potter</u>	Sampler: <u>Neil Doran</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 checked="" type="checkbox"/> 10 Work Days <input type="checkbox"/> 5 Work Days <input type="checkbox"/> 3 Work Days <input type="checkbox"/> 2 Work Days <input type="checkbox"/> 1 Work Day <input type="checkbox"/> 2-8 Hours	<input type="checkbox"/> Drinking Water <input type="checkbox"/> Waste Water <input type="checkbox"/> Other	<b>Analyses Requested</b>																																
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	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> </tr> <tr> <td></td> <td style="text-align: center;">TPH (EPA 8015 Mod. Gas)</td> <td style="text-align: center;">BTEX (EPA 8020)</td> <td style="text-align: center;">MTBE (EPA 8030)</td> <td style="text-align: center;">TPH (EPA 8015 Mod. Diesel)</td> <td style="text-align: center;">Volatile Organics (EPA 8260)</td> <td style="text-align: center;">MTBE Confirmation (EPA 8260)</td> <td style="text-align: center;">5 Fuel Oxy's</td> <td style="text-align: center;">Total Pb</td> <td colspan="7"></td> </tr> </table>																			TPH (EPA 8015 Mod. Gas)	BTEX (EPA 8020)	MTBE (EPA 8030)	TPH (EPA 8015 Mod. Diesel)	Volatile Organics (EPA 8260)	MTBE Confirmation (EPA 8260)	5 Fuel Oxy's	Total Pb							
	TPH (EPA 8015 Mod. Gas)	BTEX (EPA 8020)	MTBE (EPA 8030)	TPH (EPA 8015 Mod. Diesel)	Volatile Organics (EPA 8260)	MTBE Confirmation (EPA 8260)	5 Fuel Oxy's	Total Pb																										

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 8030)	TPH (EPA 8015 Mod. Diesel)	Volatile Organics (EPA 8260)	MTBE Confirmation (EPA 8260)	5 Fuel Oxy's	Total Pb	Comments
1. <u>OE-1</u>	<u>3/30/01 1520</u>	<u>Soil</u>	<u>1</u>	<u>2" x 6" brass</u>	<u>O1A</u>	<u>X</u>	<u>X</u>	<u>X</u>			<u>X</u>	<u>X</u>		
2. <u>OE-2</u>	<u>3/30/01 1315</u>	<u>Soil</u>	<u>1</u>	<u>2" x 6" brass</u>	<u>O2A</u>	<u>X</u>	<u>X</u>	<u>X</u>			<u>X</u>	<u>X</u>		
3. <u>OE-3</u>	<u>3/30/01 1320</u>	<u>Soil</u>	<u>1</u>	<u>2" x 6" brass</u>	<u>O3A</u>	<u>X</u>	<u>X</u>	<u>X</u>			<u>X</u>	<u>X</u>		
4. <u>OE-4</u>	<u>3/30/01 1305</u>	<u>Soil</u>	<u>1</u>	<u>2" x 6" brass</u>	<u>O4A</u>	<u>X</u>	<u>X</u>	<u>X</u>			<u>X</u>	<u>X</u>		
5. <u>OE-5</u>	<u>3/30/01 1300</u>	<u>Soil</u>	<u>1</u>	<u>2" x 6" brass</u>	<u>O5A</u>	<u>X</u>	<u>X</u>	<u>X</u>			<u>X</u>	<u>X</u>		
6.														
7.														
8.														
9.														
10.														

Relinquished By: <u>Neil Doran/SECOR</u>	Date: <u>4/2/01</u>	Time:	Received By: <u>Mark Colb.</u>	Date: <u>4/2/01</u>	Time: <u>1340</u>
Relinquished By: <u>Mark Colb.</u>	Date: <u>4/2/01</u>	Time: <u>1415</u>	Received By: <u>Mike Goran</u>	Date: <u>4/2/01</u>	Time: <u>1415</u>
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

**SECOR-Mountain View**

1225 Pear Avenue, Suite 110  
Mountain View, CA 94043

Attn.: Robert Potter

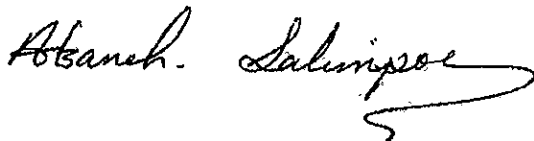
Project: 006.03748  
Tosco 11126-Canopy Replacement

Dear Mr. Pooter,

Attached is our report for your samples received on Friday March 2, 2001  
This report has been reviewed and approved for release. Reproduction of this report  
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after April 16, 2001  
unless you have requested otherwise. We appreciate the opportunity to be of service to you.  
If you have any questions, please call me at (925) 484-1919. You can also contact me via email.  
My email address is: [asalimpour@chromalab.com](mailto:asalimpour@chromalab.com)

Sincerely,



Afsaneh Salimpour

CAM 17 Metals

<b>SECOR-Mountain View</b>	☒ 1225 Pear Avenue, Suite 110 Mountain View, CA 94043
Attn: Robert Potter	Phone: (650) 691-0131 Fax: (650) 691-9837
Project #: 006.03748	Project: Tosco 11126-Canopy Replacement

**Samples Reported**

Sample ID	Matrix	Date Sampled	Lab #
SP-1-4	Soil	03/02/2001 11:45	1

# STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-03-0046

To: SECOR-Mountain View

Test Method: 6010B  
7471A

Attn.: Robert Potter

Prep Method: 3050B  
7471A

## CAM 17 Metals

Sample ID: <b>SP-1-4</b>	Lab Sample ID: <b>2001-03-0046-001</b>
Project: 006.03748 Tosco 11126-Canopy Replacement	Received: 03/02/2001 14:45
Sampled: 03/02/2001 11:45	Extracted: 03/05/2001 06:43
Matrix: Soil	QC-Batch: 2001/03/05-02.16 2001/03/05-03.15

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	03/05/2001 12:12	
Arsenic	4.9	1.0	mg/Kg	1.00	03/05/2001 12:12	
Barium	110	1.0	mg/Kg	1.00	03/05/2001 12:12	
Beryllium	ND	0.50	mg/Kg	1.00	03/05/2001 12:12	
Cadmium	0.73	0.50	mg/Kg	1.00	03/05/2001 12:12	
Chromium	21	1.0	mg/Kg	1.00	03/05/2001 12:12	
Cobalt	6.9	1.0	mg/Kg	1.00	03/05/2001 12:12	
Copper	34	1.0	mg/Kg	1.00	03/05/2001 12:12	
Lead	69	1.0	mg/Kg	1.00	03/05/2001 12:12	
Molybdenum	ND	1.0	mg/Kg	1.00	03/05/2001 12:12	
Nickel	21	1.0	mg/Kg	1.00	03/05/2001 12:12	
Selenium	ND	2.0	mg/Kg	1.00	03/05/2001 12:12	
Silver	ND	1.0	mg/Kg	1.00	03/05/2001 12:12	
Thallium	ND	1.0	mg/Kg	1.00	03/05/2001 12:12	
Vanadium	22	1.0	mg/Kg	1.00	03/05/2001 12:12	
Zinc	99	1.0	mg/Kg	1.00	03/05/2001 12:12	
Mercury	0.12	0.050	mg/Kg	1.00	03/05/2001 11:17	

1220 Quarry Lane \* Pleasanton, CA 94566-4756  
Telephone: (925) 484-1919 \* Facsimile: (925) 484-1096

To: **SECOR-Mountain View**  
Attn.: Robert Potter

Test Method: 7471A  
Prep Method: 7471A

**Batch QC Report**  
CAM 17 Metals

<b>Method Blank</b>	<b>Soil</b>	<b>QC Batch # 2001/03/05-02.16</b>
MB: 2001/03/05-02.16-042		Date Extracted: 03/05/2001 08:55

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Mercury	ND	0.050	mg/Kg	03/05/2001 11:11	

To: SECOR-Mountain View

Test Method: 6010B

Attn.: Robert Potter

Prep Method: 3050B

**Batch QC Report**

CAM 17 Metals

<b>Method Blank</b>	<b>Soil</b>	<b>QC Batch # 2001/03/05-03.15</b>
MB: 2001/03/05-03.15-020		Date Extracted: 03/05/2001 06:43

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	03/05/2001 10:48	
Arsenic	ND	1.0	mg/Kg	03/05/2001 10:48	
Barium	ND	1.0	mg/Kg	03/05/2001 10:48	
Beryllium	ND	0.50	mg/Kg	03/05/2001 10:48	
Cadmium	ND	0.50	mg/Kg	03/05/2001 10:48	
Chromium	ND	1.0	mg/Kg	03/05/2001 10:48	
Cobalt	ND	1.0	mg/Kg	03/05/2001 10:48	
Copper	ND	1.0	mg/Kg	03/05/2001 10:48	
Lead	ND	1.0	mg/Kg	03/05/2001 10:48	
Molybdenum	ND	1.0	mg/Kg	03/05/2001 10:48	
Nickel	ND	1.0	mg/Kg	03/05/2001 10:48	
Selenium	ND	2.0	mg/Kg	03/05/2001 10:48	
Silver	ND	1.0	mg/Kg	03/05/2001 10:48	
Thallium	ND	1.0	mg/Kg	03/05/2001 10:48	
Vanadium	ND	1.0	mg/Kg	03/05/2001 10:48	
Zinc	ND	1.0	mg/Kg	03/05/2001 10:48	

To: **SECOR-Mountain View**  
Attn: Robert Potter

Test Method: 7471A  
Prep Method: 7471A

**Batch QC Report**

CAM 17 Metals

Laboratory Control Spike (LCS/LCSD)		Soil		QC Batch # 2001/03/05-02.16	
LCS:	2001/03/05-02.16-043	Extracted:	03/05/2001 08:55	Analyzed	03/05/2001 11:13
LCSD:	2001/03/05-02.16-044	Extracted:	03/05/2001 08:55	Analyzed	03/05/2001 11:14

Compound	Conc. [ mg/Kg ]		Exp. Conc. [ mg/Kg ]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
Mercury	0.532	0.531	0.500	0.500	106.4	106.2	0.2	85-115	20		

To: **SECOR-Mountain View**  
Attn: Robert Potter

Test Method: 6010B  
Prep Method: 3050B

**Batch QC Report**

CAM 17 Metals

<b>Laboratory Control Spike (LCS/LCSD)</b>	<b>Soil</b>	<b>QC Batch # 2001/03/05-03.15</b>
LCS: 2001/03/05-03.15-023	Extracted: 03/05/2001 06:43	Analyzed 03/05/2001 11:00
LCSD: 2001/03/05-03.15-024	Extracted: 03/05/2001 06:43	Analyzed 03/05/2001 11:03

Compound	Conc. [ mg/Kg ]		Exp.Conc. [ mg/Kg ]		Recovery [%]		RPD [%]	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
Antimony	106	105	100.0	100.0	106.0	105.0	0.9	80-120	20		
Arsenic	111	110	100.0	100.0	111.0	110.0	0.9	80-120	20		
Barium	99.1	97.6	100.0	100.0	99.1	97.6	1.5	80-120	20		
Beryllium	102	101	100.0	100.0	102.0	101.0	1.0	80-120	20		
Cadmium	99.2	97.6	100.0	100.0	99.2	97.6	1.6	80-120	20		
Chromium	99.1	97.7	100.0	100.0	99.1	97.7	1.4	80-120	20		
Cobalt	101	100.0	100.0	100.0	101.0	100.0	1.0	80-120	20		
Copper	105	104	100.0	100.0	105.0	104.0	1.0	80-120	20		
Lead	100	98.9	100.0	100.0	100.0	98.9	1.1	80-120	20		
Molybdenum	101	99.9	100.0	100.0	101.0	99.9	1.1	80-120	20		
Nickel	98.8	97.1	100.0	100.0	98.8	97.1	1.7	80-120	20		
Selenium	98.1	96.0	100.0	100.0	98.1	96.0	2.2	80-120	20		
Silver	101	99.7	100.0	100.0	101.0	99.7	1.3	80-120	20		
Thallium	98.0	95.5	100.0	100.0	98.0	95.5	2.6	80-120	20		
Vanadium	103	102	100.0	100.0	103.0	102.0	1.0	80-120	20		
Zinc	101	99.5	100.0	100.0	101.0	99.5	1.5	80-120	20		



Gas/BTEX

<b>SECOR-Mountain View</b>	☒ 1225 Pear Avenue, Suite 110 Mountain View, CA 94043
Attn: Robert Potter	Phone: (650) 691-0131 Fax: (650) 691-9837
Project #: 006.03748	Project: Tosco 11126-Canopy Replacement

**Samples Reported**

Sample ID	Matrix	Date Sampled	Lab #
SP-1-4	Soil	03/02/2001 11:45	1

To: **SECOR-Mountain View**

Test Method: 8020  
8015M

Attn.: Robert Potter

Prep Method: 5030

Gas/BTEX

Sample ID: <b>SP-1-4</b>	Lab Sample ID: <b>2001-03-0046-001</b>
Project: 006.03748 Tosco 11126-Canopy Replacement	Received: 03/02/2001 14:45
Sampled: 03/02/2001 11:45	Extracted: 03/05/2001 12:02
Matrix: Soil	QC-Batch: 2001/03/05-01.04

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	12	1.0	mg/Kg	1.00	03/05/2001 12:02	
Benzene	0.045	0.0050	mg/Kg	1.00	03/05/2001 12:02	
Toluene	0.11	0.0050	mg/Kg	1.00	03/05/2001 12:02	
Ethyl benzene	0.043	0.0050	mg/Kg	1.00	03/05/2001 12:02	
Xylene(s)	0.080	0.0050	mg/Kg	1.00	03/05/2001 12:02	
<b>Surrogate(s)</b>						
Trifluorotoluene	64.8	53-125	%	1.00	03/05/2001 12:02	
4-Bromofluorobenzene-FID	111.0	58-124	%	1.00	03/05/2001 12:02	

To: **SECOR-Mountain View**

Test Method: 8015M  
8020

Attn.: Robert Potter

Prep Method: 5030

**Batch QC Report**  
Gas/BTEX

<b>Method Blank</b>	<b>Soil</b>	<b>QC Batch # 2001/03/05-01.04</b>
MB: 2001/03/05-01.04-003		Date Extracted: 03/05/2001 07:53

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	03/05/2001 07:53	
Benzene	ND	0.0050	mg/Kg	03/05/2001 07:53	
Toluene	ND	0.0050	mg/Kg	03/05/2001 07:53	
Ethyl benzene	ND	0.0050	mg/Kg	03/05/2001 07:53	
Xylene(s)	ND	0.0050	mg/Kg	03/05/2001 07:53	
<b>Surrogate(s)</b>					
Trifluorotoluene	100.5	53-125	%	03/05/2001 07:53	
4-Bromofluorobenzene-FID	112.0	58-124	%	03/05/2001 07:53	

To: **SECOR-Mountain View**

Test Method: 8020

Attn: Robert Potter

Prep Method: 5030

**Batch QC Report**

Gas/BTEX

Laboratory Control Spike (LCS/LCSD)		Soil	QC Batch # 2001/03/05-01.04	
LCS:	2001/03/05-01.04-004	Extracted: 03/05/2001 08:21	Analyzed	03/05/2001 08:21
LCSD:	2001/03/05-01.04-005	Extracted: 03/05/2001 08:50	Analyzed	03/05/2001 08:50

Compound	Conc. [ mg/Kg ]		Exp.Conc. [ mg/Kg ]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
Benzene	0.101	0.0946	0.1000	0.1000	101.0	94.6	6.5	77-123	35		
Toluene	0.0925	0.0883	0.1000	0.1000	92.5	88.3	4.6	78-122	35		
Ethyl benzene	0.0922	0.0879	0.1000	0.1000	92.2	87.9	4.8	70-130	35		
Xylene(s)	0.279	0.266	0.300	0.300	93.0	88.7	4.7	75-125	35		
<b>Surrogate(s)</b>											
Trifluorotoluene	509	479	500	500	101.8	95.8		53-125			

To: **SECOR-Mountain View**

Test Method: 8015M  
8020

Attn: Robert Potter

Prep Method: 5030

**Batch QC Report**

Gas/BTEX

Laboratory Control Spike (LCS/LCSD)		Soil		QC Batch # 2001/03/05-01.04	
LCS:	2001/03/05-01.04-006	Extracted:	03/05/2001 09:18	Analyzed	03/05/2001 09:18
LCSD:	2001/03/05-01.04-007	Extracted:	03/05/2001 09:46	Analyzed	03/05/2001 09:46

Compound	Conc. [ mg/Kg ]		Exp.Conc. [ mg/Kg ]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
Gasoline	0.458	0.462	0.500	0.500	91.6	92.4	0.9	75-125	35		
<b>Surrogate(s)</b>											
4-Bromofluorobenzene-FI	561	610	500	500	112.2	122.0		58-124			

CAM W.E.T. (STLC) Metals

<b>SECOR-Mountain View</b>	✉ 1225 Pear Avenue, Suite 110 Mountain View, CA 94043
Attn: Robert Potter	Phone: (650) 691-0131 Fax: (650) 691-9837
Project #: 006.03748	Project: Tosco 11126-Canopy Replacement

**Samples Reported**

Sample ID	Matrix	Date Sampled	Lab #
SP-1-4	Soil	03/02/2001 11:45	1

# STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-03-0046

To: **SECOR-Mountain View**

Test Method: 6010B

Attn.: Robert Potter

Prep Method: 3005A

CAM W.E.T. (STLC) Metals

Sample ID: <b>SP-1-4</b>	Lab Sample ID: <b>2001-03-0046-001</b>
Project: 006.03748 Tosco 11126-Canopy Replacement	Received: 03/02/2001 14:45
Sampled: 03/02/2001 11:45	Extracted: 03/08/2001 08:44
Matrix: Soil	QC-Batch: 2001/03/08-04.15

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	10	0.50	mg/L	1.00	03/08/2001 16:55	

1220 Quarry Lane \* Pleasanton, CA 94566-4756  
Telephone: (925) 484-1919 \* Facsimile: (925) 484-1096

To: **SECOR-Mountain View**  
Attn.: Robert Potter

Test Method: 6010B  
Prep Method: 3005A

**Batch QC Report**  
CAM W.E.T. (STLC) Metals

<b>Method Blank</b>	<b>Soil</b>	<b>QC Batch # 2001/03/08-04.15</b>
MB: 2001/03/08-04.15-080		Date Extracted: 03/08/2001 08:44

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Lead	ND	0.50	mg/L	03/08/2001 16:13	



To: **SECOR-Mountain View**

Test Method: 6010B

Attn: Robert Potter

Prep Method: 3005A

**Batch QC Report**

CAM W.E.T. (STLC) Metals

Laboratory Control Spike (LCS/LCSD)		Soil		QC Batch # 2001/03/08-04.15	
LCS:	2001/03/08-04.15-081	Extracted:	03/08/2001 08:44	Analyzed	03/08/2001 16:17
LCSD:	2001/03/08-04.15-082	Extracted:	03/08/2001 08:44	Analyzed	03/08/2001 16:21

Compound	Conc. [mg/L]		Exp. Conc. [mg/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
Lead	5.14	5.02	5.00	5.00	102.8	100.4	2.4	80-120	20		

TCLP Metals

<b>SECOR-Mountain View</b>	✉ 1225 Pear Avenue, Suite 110 Mountain View, CA 94043
Attn: Robert Potter	Phone: (650) 691-0131 Fax: (650) 691-9837
Project #: 006.03748	Project: Tosco 11126-Canopy Replacement

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
SP-1-4	Soil	03/02/2001 11:45	1

To: **SECOR-Mountain View**  
Attn.: Robert Potter

Test Method: 6010B  
Prep Method: 3010A

TCLP Metals

Sample ID: <b>SP-1-4</b>	Lab Sample ID: <b>2001-03-0046-001</b>
Project: 006.03748 Tosco 11126-Canopy Replacement	Received: 03/02/2001 14:45
Sampled: 03/02/2001 11:45	Extracted: 03/14/2001 08:09
Matrix: Soil	QC-Batch: 2001/03/14-04.15

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	ND	0.50	mg/L	1.00	03/14/2001 12:09	

# STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-03-0046

To: **SECOR-Mountain View**

Test Method: 6010B

Attn.: Robert Potter

Prep Method: 3010A

**Batch QC Report**  
TCLP Metals

<b>Method Blank</b>	<b>Soil</b>	<b>QC Batch # 2001/03/14-04.15</b>
MB: 2001/03/14-04.15-045		Date Extracted: 03/14/2001 08:09

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Lead	ND	0.50	mg/L	03/14/2001 11:57	

1220 Quarry Lane \* Pleasanton, CA 94566-4756  
Telephone: (925) 484-1919 \* Facsimile: (925) 484-1096

To: **SECOR-Mountain View**  
Attn: Robert Potter

Test Method: 6010B  
Prep Method: 3010A

**Batch QC Report**

TCLP Metals

Laboratory Control Spike (LCS/LCSD)		Soil		QC Batch # 2001/03/14-04.15	
LCS:	2001/03/14-04.15-046	Extracted:	03/14/2001 08:09	Analyzed	03/14/2001 12:01
LCSD:	2001/03/14-04.15-047	Extracted:	03/14/2001 08:09	Analyzed	03/14/2001 12:05

Compound	Conc. [mg/L]		Exp. Conc. [mg/L]		Recovery [%]		RPD [%]	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
Lead	4.96	4.98	5.00	5.00	99.2	99.6	0.4	80-120	20		

# SECOR *International Incorporated*

1225 Pear Avenue, Suite 110  
Mountain View, CA 94043-1431  
Telephone (650) 691-0131  
Fax (650) 691-9837

## FAX COVER SHEET

Date: 3/7/01

To: 

<u>Name</u>	<u>Company/Dept.</u>	<u>FAX #</u>
<u>Afsaneh</u>	_____	_____
_____	_____	_____
_____	_____	_____

From: Robert

Subject: Tosco 11126 Samples

Number of Pages (including cover): 1

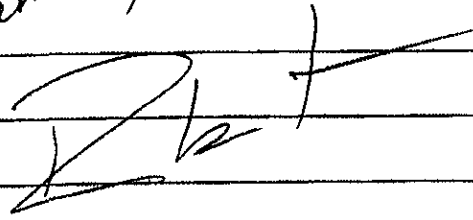
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### Message:

Per our telephone conversation,  
please run the STLC for  
lead on the composite  
sample for Tosco 11126.

Thanks,



# 2001-03-0046

Chain-of Custody Number: 57805

## SECOR Chain-of Custody Record

Field Office: 006 Mountain View  
 Address: 1225 Pear Ave Suite 110  
Mountain View CA 94043

Additional documents are attached, and are a part of this Record.  
 Job Name: TOSCO 11126 - Canopy Replacement  
 Location: Union 76 Station - Powell & Christie  
Emeryville CA

Project # 006.03748 Task # 602  
 Project Manager Robert Potter  
 Laboratory Chromalab  
 Turnaround Time 24 hr

### Analysis Request

Sampler's Name Dylan Cardiff  
 Sampler's Signature [Signature]

Sample ID	Date	Time	Matrix	HCID	TPH/BTEX/WTPH-G 8015 (modified)/8020	TPH/WTPH-D 8015 (modified)	TPH 418.1/WTPH 418.1	Aromatic Volatiles 602/8020	Volatile Organics 624/8240 (GC/MS)	Halogenated Volatiles 601/8010	Semi-volatile Organics 625/8270 (GC/MS)	Pesticides/PCBs 608/8080	Total Lead 7421	Priority Pollutant Metals (13)	TCLP Metals	CAM 17	Comments/ Instructions	Number of Containers
SP-1	2/28/01	11:45	Soil		X											X	Composite into 1 sample	1
SP-2					X											X		1
SP-3					X											X		1
SP-4					X											X		1

# RUSH

### Special Instructions/Comments:

Composite SP-1 → SP-4 into  
 one sample for GAS/BTEX/CAM17  
 24 hour turnaround  
 3.6

### Relinquished by:

Sign [Signature]  
 Print Dylan Cardiff  
 Company SECOR  
 Time 13:25 Date 3/2/01

### Relinquished by:

Sign [Signature]  
 Print [Signature]  
 Company STL  
 Time 2:45 Date 3/2/01

### Received by:

Sign [Signature]  
 Print MUSA  
 Company STL  
 Time 2:45 Date 3/2/01

### Received by:

Sign [Signature]  
 Print [Signature]  
 Company STL-CL  
 Time 1:45 Date 3/2/01

### Sample Receipt

Total no. of containers: \_\_\_\_\_  
 Chain of custody seals: \_\_\_\_\_  
 Rec'd in good condition/cold: \_\_\_\_\_  
 Conforms to record: \_\_\_\_\_

Client: \_\_\_\_\_  
 Client Contact: \_\_\_\_\_  
 Client Phone: \_\_\_\_\_

**SECOR-Mountain View**

1225 Pear Avenue, Suite 110  
Mountain View, CA 94043

Attn.: Robert Potter

Project: 006.03748 Task #602  
Tosco 11126

Site: Powell & Christie Ave.  
Emeryville

Dear Mr. Potter,

Attached is our report for your samples received on Thursday March 8, 2001  
This report has been reviewed and approved for release. Reproduction of this report  
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after April 22, 2001  
unless you have requested otherwise. We appreciate the opportunity to be of service to you.  
If you have any questions, please call me at (925) 484-1919. You can also contact me via email.  
My email address is: [asalimpour@chromalab.com](mailto:asalimpour@chromalab.com)

Sincerely,



Afsaneh Salimpour



CAM 17 Metals

<b>SECOR-Mountain View</b>	✉ 1225 Pear Avenue, Suite 110 Mountain View, CA 94043
Attn: Robert Potter	Phone: (650) 691-0131 Fax: (650) 691-9837
Project #: 006.03748 Task #602	Project: Tosco 11126
Site: Powell & Christie Ave. Emeryville	

**Samples Reported**

Sample ID	Matrix	Date Sampled	Lab #
SP-5,6,7,8	Soil	03/07/2001 13:08	1

To: **SECOR-Mountain View**

Test Method: 6010B  
7471A

Attn.: Robert Potter

Prep Method: 3050B  
7471A

CAM 17 Metals

Sample ID: <b>SP-5,6,7,8</b>	Lab Sample ID: <b>2001-03-0164-001</b>
Project: 006.03748 Task #602 Tosco 11126	Received: 03/08/2001 17:55
Site: Powell & Christie Ave. Emeryville	Extracted: 03/09/2001 06:03
Sampled: 03/07/2001 13:08	QC-Batch: 2001/03/09-01.16 2001/03/09-02.15
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	03/09/2001 12:48	
Arsenic	1.2	1.0	mg/Kg	1.00	03/09/2001 12:48	
Barium	99	1.0	mg/Kg	1.00	03/09/2001 12:48	
Beryllium	ND	0.50	mg/Kg	1.00	03/09/2001 12:48	
Cadmium	0.63	0.50	mg/Kg	1.00	03/09/2001 12:48	
Chromium	20	1.0	mg/Kg	1.00	03/09/2001 12:48	
Cobalt	8.1	1.0	mg/Kg	1.00	03/09/2001 12:48	
Copper	18	1.0	mg/Kg	1.00	03/09/2001 12:48	
Lead	170	1.0	mg/Kg	1.00	03/09/2001 12:48	
Molybdenum	ND	1.0	mg/Kg	1.00	03/09/2001 12:48	
Nickel	26	1.0	mg/Kg	1.00	03/09/2001 12:48	
Selenium	ND	2.0	mg/Kg	1.00	03/09/2001 12:48	
Silver	ND	1.0	mg/Kg	1.00	03/09/2001 12:48	
Thallium	ND	1.0	mg/Kg	1.00	03/09/2001 12:48	
Vanadium	20	1.0	mg/Kg	1.00	03/09/2001 12:48	
Zinc	110	1.0	mg/Kg	1.00	03/09/2001 12:48	
Mercury	0.10	0.050	mg/Kg	1.00	03/09/2001 09:17	

To: **SECOR-Mountain View**  
Attn.: Robert Potter

Test Method: 7471A  
Prep Method: 7471A

**Batch QC Report**  
CAM 17 Metals

<b>Method Blank</b>	<b>Soil</b>	<b>QC Batch # 2001/03/09-01.16</b>
MB: 2001/03/09-01.16-011		Date Extracted: 03/09/2001 06:06

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Mercury	ND	0.050	mg/Kg	03/09/2001 08:58	

# STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-03-0164

To: SECOR-Mountain View

Test Method: 6010B

Attn.: Robert Potter

Prep Method: 3050B

## Batch QC Report CAM 17 Metals

<b>Method Blank</b>	<b>Soil</b>	<b>QC Batch # 2001/03/09-02.15</b>
MB: 2001/03/09-02.15-028		Date Extracted: 03/09/2001 06:03

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	03/09/2001 11:02	
Arsenic	ND	1.0	mg/Kg	03/09/2001 11:02	
Barium	ND	1.0	mg/Kg	03/09/2001 11:02	
Beryllium	ND	0.50	mg/Kg	03/09/2001 11:02	
Cadmium	ND	0.50	mg/Kg	03/09/2001 11:02	
Chromium	ND	1.0	mg/Kg	03/09/2001 11:02	
Cobalt	ND	1.0	mg/Kg	03/09/2001 11:02	
Copper	ND	1.0	mg/Kg	03/09/2001 11:02	
Lead	ND	1.0	mg/Kg	03/09/2001 11:02	
Molybdenum	ND	1.0	mg/Kg	03/09/2001 11:02	
Nickel	ND	1.0	mg/Kg	03/09/2001 11:02	
Selenium	ND	2.0	mg/Kg	03/09/2001 11:02	
Silver	ND	1.0	mg/Kg	03/09/2001 11:02	
Thallium	ND	1.0	mg/Kg	03/09/2001 11:02	
Vanadium	ND	1.0	mg/Kg	03/09/2001 11:02	
Zinc	ND	1.0	mg/Kg	03/09/2001 11:02	

1220 Quarry Lane \* Pleasanton, CA 94566-4756  
Telephone: (925) 484-1919 \* Facsimile: (925) 484-1096

To: **SECOR-Mountain View**  
Attn: Robert Potter

Test Method: 7471A  
Prep Method: 7471A

**Batch QC Report**  
CAM 17 Metals

Laboratory Control Spike (LCS/LCSD)		Soil		QC Batch # 2001/03/09-01.16	
LCS:	2001/03/09-01.16-012	Extracted:	03/09/2001 06:06	Analyzed	03/09/2001 08:59
LCSD:	2001/03/09-01.16-013	Extracted:	03/09/2001 06:06	Analyzed	03/09/2001 09:00

Compound	Conc. [ mg/Kg ]		Exp. Conc. [ mg/Kg ]		Recovery [%]			RPD		Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	RPD [%]	Recovery	RPD	LCS	LCSD		
Mercury	0.497	0.496	0.500	0.500	99.4	99.2	0.2	85-115	20				

To: **SECOR-Mountain View**  
Attn: Robert Potter

Test Method: 6010B  
Prep Method: 3050B

**Batch QC Report**

CAM 17 Metals

<b>Laboratory Control Spike (LCS/LCSD)</b>	<b>Soil</b>	<b>QC Batch # 2001/03/09-02.15</b>
LCS: 2001/03/09-02.15-029	Extracted: 03/09/2001 06:03	Analyzed 03/09/2001 11:06
LCSD: 2001/03/09-02.15-030	Extracted: 03/09/2001 06:03	Analyzed 03/09/2001 11:09

Compound	Conc. [ mg/Kg ]		Exp.Conc. [ mg/Kg ]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
Antimony	110	107	100.0	100.0	110.0	107.0	2.8	80-120	20		
Arsenic	115	111	100.0	100.0	115.0	111.0	3.5	80-120	20		
Barium	104	101	100.0	100.0	104.0	101.0	2.9	80-120	20		
Beryllium	108	106	100.0	100.0	108.0	106.0	1.9	80-120	20		
Cadmium	105	102	100.0	100.0	105.0	102.0	2.9	80-120	20		
Chromium	105	102	100.0	100.0	105.0	102.0	2.9	80-120	20		
Cobalt	107	104	100.0	100.0	107.0	104.0	2.8	80-120	20		
Copper	109	106	100.0	100.0	109.0	106.0	2.8	80-120	20		
Lead	105	102	100.0	100.0	105.0	102.0	2.9	80-120	20		
Molybdenum	107	104	100.0	100.0	107.0	104.0	2.8	80-120	20		
Nickel	104	101	100.0	100.0	104.0	101.0	2.9	80-120	20		
Selenium	105	102	100.0	100.0	105.0	102.0	2.9	80-120	20		
Silver	105	102	100.0	100.0	105.0	102.0	2.9	80-120	20		
Thallium	105	102	100.0	100.0	105.0	102.0	2.9	80-120	20		
Vanadium	108	105	100.0	100.0	108.0	105.0	2.8	80-120	20		
Zinc	106	103	100.0	100.0	106.0	103.0	2.9	80-120	20		

Gas/BTEX (High Level)

<b>SECOR-Mountain View</b>	✉ 1225 Pear Avenue, Suite 110 Mountain View, CA 94043
Attn: Robert Potter	Phone: (650) 691-0131 Fax: (650) 691-9837
Project #: 006.03748 Task #602	Project: Tosco 11126
Site: Powell & Christie Ave. Emeryville	

**Samples Reported**

Sample ID	Matrix	Date Sampled	Lab #
SP-5,6,7,8	Soil	03/07/2001 13:08	1

To: SECOR-Mountain View

Test Method: 8020  
8015M

Attn.: Robert Potter

Prep Method: 5030AEXT

Gas/BTEX (High Level)

Sample ID: <b>SP-5,6,7,8</b>	Lab Sample ID: <b>2001-03-0164-001</b>
Project: 006.03748 Task #602 Tosco 11126	Received: 03/08/2001 17:55
Site: Powell & Christie Ave. Emeryville	Extracted: 03/09/2001 10:51
Sampled: 03/07/2001 13:08	QC-Batch: 2001/03/09-05.04
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	120	10	mg/Kg	1.00	03/09/2001 10:51	g
Benzene	ND	0.62	mg/Kg	1.00	03/09/2001 10:51	
Toluene	ND	0.62	mg/Kg	1.00	03/09/2001 10:51	
Ethyl benzene	ND	0.62	mg/Kg	1.00	03/09/2001 10:51	
Xylene(s)	ND	0.62	mg/Kg	1.00	03/09/2001 10:51	
<b>Surrogate(s)</b>						
Trifluorotoluene	94.3	53-125	%	1.00	03/09/2001 10:51	
4-Bromofluorobenzene-FID	186.4	58-124	%	1.00	03/09/2001 10:51	sh



To: **SECOR-Mountain View**

Test Method: 8015M  
8020

Attn.: Robert Potter

Prep Method: 5030AEXT

**Batch QC Report**  
Gas/BTEX (High Level)

<b>Method Blank</b>	<b>Soil</b>	<b>QC Batch # 2001/03/09-05.04</b>
MB: 2001/03/09-05.04-001		Date Extracted: 03/09/2001 14:34

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	10	mg/Kg	03/09/2001 14:34	
Benzene	ND	0.62	mg/Kg	03/09/2001 14:34	
Toluene	ND	0.62	mg/Kg	03/09/2001 14:34	
Ethyl benzene	ND	0.62	mg/Kg	03/09/2001 14:34	
Xylene(s)	ND	0.62	mg/Kg	03/09/2001 14:34	
<b>Surrogate(s)</b>					
Trifluorotoluene	72.2	53-125	%	03/09/2001 14:34	
4-Bromofluorobenzene-FID	115.0	58-124	%	03/09/2001 14:34	

To: SECOR-Mountain View

Test Method: 8015M  
8020

Attn: Robert Potter

Prep Method: 5030AEXT

**Batch QC Report**

Gas/BTEX (High Level)

Laboratory Control Spike (LCS/LCSD)		Soil	QC Batch # 2001/03/09-05.04	
LCS:	2001/03/09-05.04-002	Extracted: 03/09/2001 15:02	Analyzed	03/09/2001 15:02
LCSD:	2001/03/09-05.04-003	Extracted: 03/09/2001 15:30	Analyzed	03/09/2001 15:30

Compound	Conc. [ mg/Kg ]		Exp.Conc. [ mg/Kg ]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
Gasoline	0.564	0.582	0.625	0.625	90.2	93.1	3.2	75-125	35		
Benzene	0.108	0.103	0.125	0.125	86.4	82.4	4.7	77-123	35		
Toluene	0.107	0.102	0.125	0.125	85.6	81.6	4.8	78-122	35		
Ethyl benzene	0.106	0.101	0.125	0.125	84.8	80.8	4.8	70-130	35		
Xylene(s)	0.329	0.308	0.375	0.375	87.7	82.1	6.6	75-125	35		
<b>Surrogate(s)</b>											
Trifluorotoluene	463	431	500	500	92.6	86.2		53-125			
4-Bromofluorobenzene-FI	542	555	500	500	108.4	111.0		58-124			

To: **SECOR-Mountain View**

Test Method: 8020  
8015M

Attn: Robert Potter

Prep Method: 5030AEXT

**Legend & Notes**

Gas/BTEX (High Level)

**Analyte Flags**

g

Hydrocarbon reported in the gasoline range does not match our gasoline standard.

sh

Surrogate recovery was higher than QC limit due to matrix interference.

CAM W.E.T. (STLC) Lead

<b>SECOR-Mountain View</b>	✉ 1225 Pear Avenue, Suite 110 Mountain View, CA 94043
Attn: Robert Potter	Phone: (650) 691-0131 Fax: (650) 691-9837
Project #: 006.03748 Task #602	Project: Tosco 11126
Site: Powell & Christie Ave. Emeryville	

**Samples Reported**

Sample ID	Matrix	Date Sampled	Lab #
SP-5,6,7,8	Soil	03/07/2001 13:08	1

To: **SECOR-Mountain View**  
Attn.: Robert Potter

Test Method: 6010B  
Prep Method: 3005A

CAM W.E.T. (STLC) Lead

Sample ID: <b>SP-5,6,7,8</b>	Lab Sample ID: <b>2001-03-0164-001</b>
Project: 006.03748 Task #602 Tosco 11126	Received: 03/08/2001 17:55
Site: Powell & Christie Ave. Emeryville	Extracted: 03/13/2001 06:25
Sampled: 03/07/2001 13:08	QC-Batch: 2001/03/12-09.15
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	1.0	0.50	mg/L	1.00	03/13/2001 11:53	

# STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-03-0164

To: SECOR-Mountain View

Test Method: 6010B

Attn.: Robert Potter

Prep Method: 3005A

**Batch QC Report**  
CAM W.E.T. (STLC) Lead

<b>Method Blank</b>	<b>Soil</b>	<b>QC Batch # 2001/03/12-09.15</b>
MB: 2001/03/12-09.15-005		Date Extracted: 03/12/2001 13:07

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Lead	ND	0.50	mg/L	03/12/2001 17:56	

1220 Quarry Lane \* Pleasanton, CA 94566-4756  
Telephone: (925) 484-1919 \* Facsimile: (925) 484-1096

Printed on: 03/13/2001 14:05

Page 3 of 4

To: **SECOR-Mountain View**  
Attn: Robert Potter

Test Method: 6010B  
Prep Method: 3005A

**Batch QC Report**

CAM W.E.T. (STLC) Lead

Laboratory Control Spike (LCS/LCSD)		Soil		QC Batch # 2001/03/12-09.15	
LCS:	2001/03/12-09.15-006	Extracted:	03/12/2001 13:07	Analyzed	03/12/2001 18:00
LCSD:	2001/03/12-09.15-007	Extracted:	03/12/2001 13:07	Analyzed	03/12/2001 18:04

Compound	Conc. [mg/L]		Exp. Conc. [mg/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
Lead	5.35	5.23	5.00	5.00	107.0	104.6	2.3	80-120	20		

2001-03-0164

Chain-of Custody Number: 57921

SECOR Chain-of Custody Record

Field Office: 006 Mountain View  
Address: 1225 Pear Ave Suite 110  
Mountain View CA

Additional documents are attached, and are a part of this Record.   
Job Name: Tosco 11126  
Location: Powell & Christie Ave  
Emeryville

Project # 006.03748 Task # 602  
Project Manager Robert Potter  
Laboratory Chromalab  
Turnaround Time 24 hours

Sampler's Name Dylan Carliff  
Sampler's Signature [Signature]

Analysis Request

Sample ID	Date	Time	Matrix	HCID	TPH-g/BTEX/WTPH-G 8015 (modified)/8020	TPH-g/WTPH-D 8015 (modified)	TPH 418.1/WTPH 418.1	Aromatic Volatiles 602/8020	Volatile Organics 624/8240 (GC/MS)	Halogenated Volatiles 601/8010	Semi-volatile Organics 625/8270 (GC/MS)	Pesticides/PCBs 608/8080	Total Lead 7421	Priority Pollutant Metals (13)	TCLP Metals	CAM 17	STLC Lead	Comments/ Instructions	Number of Containers
SP-5	7 March	13:08	Soil		X											X	X	Composite into 1 sample	1
SP-6		13:11			X											X	X		1
SP-7		13:15			X											X	X		1
SP-8		13:18			X											X	X		1

RUSH

Special Instructions/Comments:  
  
4.0°C

Relinquished by:  
Sign [Signature]  
Print Dylan Carliff  
Company SECOR  
Time 14:00 Date 3/7/01

Received by:  
Sign [Signature]  
Print [Signature]  
Company [Signature]  
Time 12:35 Date 3-24

Sample Receipt  
Total no. of containers:  
Chain of custody seals:  
Rec'd in good condition/cold:  
Conforms to record:

Relinquished by:  
Sign [Signature]  
Print [Signature]  
Company Chromalab  
Time 1755 Date 3-8-01

Received by:  
Sign Denise Harrington  
Print D. Harrington  
Company STL-CL  
Time 1755 Date 3/8/01

Client:  
Client Contact:  
Client Phone:



**SECOR-Mountain View**  
1225 Pear Avenue, Suite 110  
Mountain View, CA 94043

Attn.: Robert Potter

Project: 006.0374B Task #602  
Tosco 11126

Site: Powell & Christie Ave.  
Emeryville, CA

Dear Mr. Potter,

Attached is our report for your samples received on Tuesday March 13, 2001  
This report has been reviewed and approved for release. Reproduction of this report  
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after April 27, 2001  
unless you have requested otherwise. We appreciate the opportunity to be of service to you.  
If you have any questions, please call me at (925) 484-1919. You can also contact me via email.  
My email address is: [asalimpour@chromalab.com](mailto:asalimpour@chromalab.com)

Sincerely,



Afsaneh Salimpour

CAM 17 Metals

<b>SECOR-Mountain View</b>	✉ 1225 Pear Avenue, Suite 110 Mountain View, CA 94043
Attn: Robert Potter	Phone: (650) 691-0131 Fax: (650) 691-9837
Project #: 006.0374B Task #602	Project: Tosco 11126
Site: Powell & Christie Ave. Emeryville, CA	

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
SP-9,10,11,12	Soil	03/13/2001	1

To: **SECOR-Mountain View**

Test Method: 6010B  
7471A

Attn.: Robert Potter

Prep Method: 3050B  
7471A

CAM 17 Metals

Sample ID: <b>SP-9,10,11,12</b>	Lab Sample ID: <b>2001-03-0244-001</b>
Project: 006.0374B Task #602 Tosco 11126	Received: 03/13/2001 15:39
Site: Powell & Christie Ave. Emeryville, CA	Extracted: 03/14/2001 07:54
Sampled: 03/13/2001	QC-Batch: 2001/03/14-01.16 2001/03/14-03.15
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	03/14/2001 11:37	
Arsenic	3.5	1.0	mg/Kg	1.00	03/14/2001 11:37	
Barium	150	1.0	mg/Kg	1.00	03/14/2001 11:37	
Beryllium	ND	0.50	mg/Kg	1.00	03/14/2001 11:37	
Cadmium	0.82	0.50	mg/Kg	1.00	03/14/2001 11:37	
Chromium	24	1.0	mg/Kg	1.00	03/14/2001 11:37	
Cobalt	10	1.0	mg/Kg	1.00	03/14/2001 11:37	
Copper	25	1.0	mg/Kg	1.00	03/14/2001 11:37	
Lead	72	1.0	mg/Kg	1.00	03/14/2001 11:37	
Molybdenum	ND	1.0	mg/Kg	1.00	03/14/2001 11:37	
Nickel	29	1.0	mg/Kg	1.00	03/14/2001 11:37	
Selenium	ND	2.0	mg/Kg	1.00	03/14/2001 11:37	
Silver	ND	1.0	mg/Kg	1.00	03/14/2001 11:37	
Thallium	ND	1.0	mg/Kg	1.00	03/14/2001 11:37	
Vanadium	29	1.0	mg/Kg	1.00	03/14/2001 11:37	
Zinc	87	1.0	mg/Kg	1.00	03/14/2001 11:37	
Mercury	0.11	0.050	mg/Kg	1.00	03/14/2001 10:50	

To: **SECOR-Mountain View**  
Attn.: Robert Potter

Test Method: 7471A  
Prep Method: 7471A

**Batch QC Report**  
CAM 17 Metals

<b>Method Blank</b>	<b>Soil</b>	<b>QC Batch # 2001/03/14-01.16</b>
MB: 2001/03/14-01.16-011		Date Extracted: 03/14/2001 08:30

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Mercury	ND	0.050	mg/Kg	03/14/2001 10:26	

To: **SECOR-Mountain View**  
Attn.: Robert Potter

Test Method: 6010B  
Prep Method: 3050B

**Batch QC Report**  
CAM 17 Metals

<b>Method Blank</b>	<b>Soil</b>	<b>QC Batch # 2001/03/14-03.15</b>
MB: 2001/03/14-03.15-020		Date Extracted: 03/14/2001 07:54

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	03/14/2001 09:54	
Arsenic	ND	1.0	mg/Kg	03/14/2001 09:54	
Barium	ND	1.0	mg/Kg	03/14/2001 09:54	
Beryllium	ND	0.50	mg/Kg	03/14/2001 09:54	
Cadmium	ND	0.50	mg/Kg	03/14/2001 09:54	
Chromium	ND	1.0	mg/Kg	03/14/2001 09:54	
Cobalt	ND	1.0	mg/Kg	03/14/2001 09:54	
Copper	ND	1.0	mg/Kg	03/14/2001 09:54	
Lead	ND	1.0	mg/Kg	03/14/2001 09:54	
Molybdenum	ND	1.0	mg/Kg	03/14/2001 09:54	
Nickel	ND	1.0	mg/Kg	03/14/2001 09:54	
Selenium	ND	2.0	mg/Kg	03/14/2001 09:54	
Silver	ND	1.0	mg/Kg	03/14/2001 09:54	
Thallium	ND	1.0	mg/Kg	03/14/2001 09:54	
Vanadium	ND	1.0	mg/Kg	03/14/2001 09:54	
Zinc	ND	1.0	mg/Kg	03/14/2001 09:54	

To: **SECOR-Mountain View**  
Attn: Robert Potter

Test Method: 6010B  
Prep Method: 3050B

**Batch QC Report**

CAM 17 Metals

<b>Laboratory Control Spike (LCS/LCSD)</b>	<b>Soil</b>	<b>QC Batch # 2001/03/14-03.15</b>
LCS: 2001/03/14-03.15-015	Extracted: 03/14/2001 07:54	Analyzed 03/14/2001 09:59
LCSD: 2001/03/14-03.15-016	Extracted: 03/14/2001 07:54	Analyzed 03/14/2001 10:03

Compound	Conc. [ mg/Kg ]		Exp.Conc. [ mg/Kg ]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
Antimony	99.4	96.5	100.0	100.0	99.4	96.5	3.0	80-120	20		
Arsenic	104	102	100.0	100.0	104.0	102.0	1.9	80-120	20		
Barium	99.5	96.1	100.0	100.0	99.5	96.1	3.5	80-120	20		
Beryllium	102	101	100.0	100.0	102.0	101.0	1.0	80-120	20		
Cadmium	97.4	94.2	100.0	100.0	97.4	94.2	3.3	80-120	20		
Chromium	99.8	96.4	100.0	100.0	99.8	96.4	3.5	80-120	20		
Cobalt	98.8	95.3	100.0	100.0	98.8	95.3	3.6	80-120	20		
Copper	99.7	95.9	100.0	100.0	99.7	95.9	3.9	80-120	20		
Lead	97.5	94.7	100.0	100.0	97.5	94.7	2.9	80-120	20		
Molybdenum	100	96.9	100.0	100.0	100.0	96.9	3.1	80-120	20		
Nickel	98.4	95.1	100.0	100.0	98.4	95.1	3.4	80-120	20		
Selenium	96.7	93.7	100.0	100.0	96.7	93.7	3.2	80-120	20		
Silver	98.4	94.9	100.0	100.0	98.4	94.9	3.6	80-120	20		
Thallium	98.0	95.1	100.0	100.0	98.0	95.1	3.0	80-120	20		
Vanadium	99.6	96.1	100.0	100.0	99.6	96.1	3.6	80-120	20		
Zinc	95.5	92.5	100.0	100.0	95.5	92.5	3.2	80-120	20		

To: **SECOR-Mountain View**  
Attn: Robert Potter

Test Method: 7471A  
Prep Method: 7471A

**Batch QC Report**

CAM 17 Metals

Laboratory Control Spike (LCS/LCSD)		Soil		QC Batch # 2001/03/14-01.16	
LCS:	2001/03/14-01.16-012	Extracted:	03/14/2001 08:30	Analyzed	03/14/2001 10:27
LCSD:	2001/03/14-01.16-013	Extracted:	03/14/2001 08:30	Analyzed	03/14/2001 10:28

Compound	Conc. [ mg/Kg ]		Exp.Conc. [ mg/Kg ]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
Mercury	0.511	0.524	0.500	0.500	102.2	104.8	2.5	85-115	20		

Gas/BTEX (High Level)

<b>SECOR-Mountain View</b>	✉ 1225 Pear Avenue, Suite 110 Mountain View, CA 94043
Attn: Robert Potter	Phone: (650) 691-0131 Fax: (650) 691-9837
Project #: 006.0374B Task #602	Project: Tosco 11126
Site: Powell & Christie Ave. Emeryville, CA	

**Samples Reported**

Sample ID	Matrix	Date Sampled	Lab #
SP-9,10,11,12	Soil	03/13/2001	1



To: **SECOR-Mountain View**

Test Method: 8020  
8015M

Attn.: Robert Potter

Prep Method: 5030AEXT

Gas/BTEX (High Level)

Sample ID: <b>SP-9,10,11,12</b>	Lab Sample ID: <b>2001-03-0244-001</b>
Project: 006.0374B Task #602 Tosco 11126	Received: 03/13/2001 15:39
Site: Powell & Christie Ave. Emeryville, CA	Extracted: 03/14/2001 12:44
Sampled: 03/13/2001	QC-Batch: 2001/03/14-05.01
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	320	20	mg/Kg	2.00	03/14/2001 12:44	g
Benzene	ND	1.2	mg/Kg	2.00	03/14/2001 12:44	
Toluene	2.1	1.2	mg/Kg	2.00	03/14/2001 12:44	
Ethyl benzene	2.3	1.2	mg/Kg	2.00	03/14/2001 12:44	
Xylene(s)	3.7	1.2	mg/Kg	2.00	03/14/2001 12:44	
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	91.1	58-124	%	1.00	03/14/2001 12:44	
4-Bromofluorobenzene-FID	409.4	58-124	%	1.00	03/14/2001 12:44	sh

To: **SECOR-Mountain View**

Test Method: 8015M  
8020

Attn.: Robert Potter

Prep Method: 5030AEXT

**Batch QC Report**  
Gas/BTEX (High Level)

<b>Method Blank</b>	<b>Soil</b>	<b>QC Batch # 2001/03/14-05.01</b>
MB: 2001/03/14-05.01-001		Date Extracted: 03/14/2001 11:44

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	10	mg/Kg	03/14/2001 11:44	
Benzene	ND	0.62	mg/Kg	03/14/2001 11:44	
Toluene	ND	0.62	mg/Kg	03/14/2001 11:44	
Ethyl benzene	ND	0.62	mg/Kg	03/14/2001 11:44	
Xylene(s)	ND	0.62	mg/Kg	03/14/2001 11:44	
<b>Surrogate(s)</b>					
Trifluorotoluene	80.0	53-125	%	03/14/2001 11:44	
4-Bromofluorobenzene-FID	83.6	58-124	%	03/14/2001 11:44	

To: **SECOR-Mountain View**

Test Method: 8015M  
8020

Attn: Robert Potter

Prep Method: 5030AEXT

**Batch QC Report**

Gas/BTEX (High Level)

Laboratory Control Spike (LCS/LCSD)	Soil	QC Batch # 2001/03/14-05.01
LCS: 2001/03/14-05.01-002	Extracted: 03/14/2001 11:14	Analyzed 03/14/2001 11:14
LCSD: 2001/03/14-05.01-003	Extracted: 03/14/2001 11:48	Analyzed 03/14/2001 11:48

Compound	Conc. [ mg/Kg ]		Exp.Conc. [ mg/Kg ]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
Gasoline	0.674	0.676	0.625	0.625	107.8	108.2	0.4	75-125	35		
Benzene	0.134	0.126	0.125	0.125	107.2	100.8	6.2	77-123	35		
Toluene	0.131	0.126	0.125	0.125	104.8	100.8	3.9	78-122	35		
Ethyl benzene	0.131	0.127	0.125	0.125	104.8	101.6	3.1	70-130	35		
Xylene(s)	0.387	0.380	0.375	0.375	103.2	101.3	1.9	75-125	35		
<b>Surrogate(s)</b>											
Trifluorotoluene	521	474	500	500	104.2	94.8		53-125			
4-Bromofluorobenzene-FI	620	564	500	500	124.0	112.8		58-124			

To: **SECOR-Mountain View**

Test Method: 8020  
8015M

Attn: Robert Potter

Prep Method: 5030AEXT

**Legend & Notes**

Gas/BTEX (High Level)

**Analyte Flags**

g

Hydrocarbon reported in the gasoline range does not match our gasoline standard.

sh

Surrogate recovery was higher than QC limit due to matrix interference.

CAM W.E.T. (STLC) Lead

<b>SECOR-Mountain View</b>	☒ 1225 Pear Avenue, Suite 110 Mountain View, CA 94043
Attn: Robert Potter	Phone: (650) 691-0131 Fax: (650) 691-9837
Project #: 006.0374B Task #602	Project: Tosco 11126
Site: Powell & Christie Ave. Emeryville, CA	

**Samples Reported**

Sample ID	Matrix	Date Sampled	Lab #
SP-9,10,11,12	Soil	03/13/2001	1

To: **SECOR-Mountain View**  
Attn.: Robert Potter

Test Method: 6010B  
Prep Method: 3005A

CAM W.E.T. (STLC) Lead

Sample ID:	<b>SP-9,10,11,12</b>	Lab Sample ID:	<b>2001-03-0244-001</b>
Project:	006.0374B Task #602 Tosco 11126	Received:	03/13/2001 15:39
Site:	Powell & Christie Ave. Emeryville, CA	Extracted:	03/16/2001 05:34
Sampled:	03/13/2001	QC-Batch:	2001/03/16-03.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	3.1	0.50	mg/L	1.00	03/16/2001 12:42	

To: **SECOR-Mountain View**  
Attn.: Robert Potter

Test Method: 6010B  
Prep Method: 3005A

**Batch QC Report**  
CAM W.E.T. (STLC) Lead

<b>Method Blank</b>	<b>Soil</b>	<b>QC Batch # 2001/03/16-03.15</b>
MB: 2001/03/16-03.15-071		Date Extracted: 03/16/2001 05:34

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Lead	ND	0.50	mg/L	03/16/2001 12:30	

To: **SECOR-Mountain View**  
Attn: Robert Potter

Test Method: 6010B  
Prep Method: 3005A

**Batch QC Report**

CAM W.E.T. (STLC) Lead

Laboratory Control Spike (LCS/LCSD)		Soil		QC Batch # 2001/03/16-03.15	
LCS:	2001/03/16-03.15-072	Extracted:	03/16/2001 05:34	Analyzed	03/16/2001 12:34
LCSD:	2001/03/16-03.15-073	Extracted:	03/16/2001 05:34	Analyzed	03/16/2001 12:38

Compound	Conc. [ mg/L ]		Exp.Conc. [ mg/L ]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
Lead	5.09	5.07	5.00	5.00	101.8	101.4	0.4	80-120	20		



To: **SECOR-Mountain View**  
Attn.: Robert Potter

Test Method: 6010B  
Prep Method: 3005A

**Batch QC Report**  
CAM W.E.T. (STLC) Lead

<b>Matrix Spike ( MS / MSD )</b>	<b>Soil</b>	<b>QC Batch # 2001/03/16-03.15</b>
Sample ID: <b>SP-9,10,11,12</b>		Lab Sample ID: 2001-03-0244-001
MS: 2001/03/16-03.15-075	Extracted: 03/16/2001 05:34	Analyzed: 03/16/2001 12:46 Dilution: 1.0
MSD: 2001/03/16-03.15-076	Extracted: 03/16/2001 05:34	Analyzed: 03/16/2001 12:51 Dilution: 1.0

Compound	Conc. [mg/L]			Exp. Conc. [mg/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	MS	MSD	Sample	MS	MSD	MS	MSD		Recovery	RPD	MS	MSD
Lead	7.79	7.81	3.07	5.00	5.00	94.4	94.8	0.4	75-125	20		

2001-03-0244

Chain-of Custody Number: 58004

SECOR Chain-of Custody Record

Field Office: 006 Mountain View
Address: 1225 Peas Ave Suite 110 Mountain View CA

Additional documents are attached, and are a part of this Record.
Job Name: TOSCO 11126
Location: Powell & Christie Ave Emeryville CA

Project # 006.03743 Task # 602
Project Manager Robert Potter
Laboratory Chromalab
Turnaround Time 24 hour

Sampler's Name Dylan Cardiff
Sampler's Signature [Signature]

Analysis Request

Table with columns: Sample ID, Date, Time, Matrix, HCID, TPHg/BTEX/WTPH-G 8015, TPHd/WTPH-D 8015, TPH 418.1/WTPH 418.1, Aromatic Volatiles 602/8020, Volatile Organics 624/8240 (GC/MS), Halogenated Volatiles 601/8010, Semi-volatile Organics 625/8270 (GC/MS), Pesticides/PCBs 608/8080, Total Lead 7421, Priority Pollutant Metals (13), TCLP Metals, CAM 17, STLC Lead, Comments/Instructions, Number of Containers.

RUSH

Special Instructions/Comments:
IF STLC > 5ppm then run TCLP lead
Composite into 1 sample

Relinquished by: [Signature]
Sign [Signature]
Print Dylan Cardiff
Company SECOR
Time 9:00 Date 3/13/01

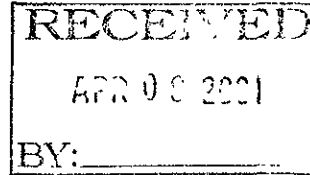
Received by: [Signature]
Sign [Signature]
Print [Signature]
Company Chromalab
Time 1039 Date 3-13-01

Sample Receipt
Total no. of containers:
Chain of custody seals:
Rec'd in good condition/cold:
Conforms to record:
Client:
Client Contact:
Client Phone:



# Sequoia Analytical

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



5 April, 2001

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

RE: Tosco  
Sequoia Report: W103621

Enclosed are the results of analyses for samples received by the laboratory on 28-Mar-01 15:35. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Dimple Sharma  
Project Manager

CA ELAP Certificate #1271





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

Project: Tosco  
Project Number: Tosco # 11126  
Project Manager: Robert Potter

Reported:  
05-Apr-01 12:44

## ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP-13, ABCD	W103621-01	Soil	28-Mar-01 00:00	28-Mar-01 15:35
TBPG-1 ABCD	W103621-02	Soil	28-Mar-01 00:00	28-Mar-01 15:35





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

Project: Tosco  
Project Number: Tosco # 11126  
Project Manager: Robert Potter

Reported:  
05-Apr-01 12:44

**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-13, ABCD (W103621-01) Soil Sampled: 28-Mar-01 00:00 Received: 28-Mar-01 15:35									P-01
Purgeable Hydrocarbons	780	50	mg/kg	1000	1C28018	28-Mar-01	30-Mar-01	DHS LUFT	
Benzene	1.3	0.25	"	"	"	"	"	"	
Toluene	3.0	0.25	"	"	"	"	"	"	
Ethylbenzene	7.4	0.25	"	"	"	"	"	"	
Xylenes (total)	41	0.25	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		%	40-140		"	"	"	"	S-01
TBPG-1 ABCD (W103621-02) Soil Sampled: 28-Mar-01 00:00 Received: 28-Mar-01 15:35									
Purgeable Hydrocarbons	1.9	1.0	mg/kg	20	1C28018	28-Mar-01	30-Mar-01	DHS LUFT	
Benzene	0.020	0.0050	"	"	"	"	"	"	
Toluene	0.020	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.017	0.0050	"	"	"	"	"	"	
Xylenes (total)	4.2	0.0050	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		86.7 %	40-140		"	"	"	"	





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

Project: Tosco  
Project Number: Tosco # 11126  
Project Manager: Robert Potter

Reported:  
05-Apr-01 12:44

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>SP-13, ABCD (W103621-01) Soil    Sampled: 28-Mar-01 00:00    Received: 28-Mar-01 15:35</b>									
Lead	160	1.0	mg/kg	1	1C28019	28-Mar-01	29-Mar-01	EPA 6010A	
<b>TBPG-1 ABCD (W103621-02) Soil    Sampled: 28-Mar-01 00:00    Received: 28-Mar-01 15:35</b>									
Lead	11	1.0	mg/kg	1	1C28019	28-Mar-01	29-Mar-01	EPA 6010A	





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

Project: Tosco  
Project Number: Tosco # 11126  
Project Manager: Robert Potter

Reported:  
05-Apr-01 12:44

**STLC CAM Metals by EPA 6000/7000 Series Methods**

**Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>SP-13, ABCD (W103621-01) Soil</b> Sampled: 28-Mar-01 00:00    Received: 28-Mar-01 15:35									
Lead	5.9	0.20	mg/l	10	1C28020	28-Mar-01	02-Apr-01	EPA 6010A	
<b>TBPG-1 ABCD (W103621-02) Soil</b> Sampled: 28-Mar-01 00:00    Received: 28-Mar-01 15:35									
Lead	0.50	0.20	mg/l	10	1C28020	28-Mar-01	02-Apr-01	EPA 6010A	





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

Project: Tosco  
Project Number: Tosco # 11126  
Project Manager: Robert Potter

Reported:  
05-Apr-01 12:44

## 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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

### Batch 1C28018 - EPA 5030B MeOH

#### Blank (1C28018-BLK1)

Prepared: 28-Mar-01 Analyzed: 29-Mar-01

Purgeable Hydrocarbons	ND	1.0	mg/kg							
Benzene	ND	0.0050	"							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
<i>Surrogate: a,a,a-Trifluorotoluene</i>	<i>0.554</i>		<i>"</i>	<i>0.600</i>		<i>92.3</i>	<i>40-140</i>			

#### LCS (1C28018-BS1)

Prepared: 28-Mar-01 Analyzed: 29-Mar-01

Benzene	0.766	0.0050	mg/kg	0.800		95.7	50-150			
Toluene	0.784	0.0050	"	0.800		98.0	50-150			
Ethylbenzene	0.826	0.0050	"	0.800		103	50-150			
Xylenes (total)	2.52	0.0050	"	2.40		105	50-150			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	<i>0.598</i>		<i>"</i>	<i>0.600</i>		<i>99.7</i>	<i>40-140</i>			







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

Project: Tosco  
Project Number: Tosco # 11126  
Project Manager: Robert Potter

Reported:  
05-Apr-01 12:44

**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
<b>Batch 1C28019 - EPA 3050B</b>										
<b>Blank (1C28019-BLK1)</b>										
Prepared: 28-Mar-01 Analyzed: 29-Mar-01										
Lead	ND	1.0	mg/kg							
<b>LCS (1C28019-BS1)</b>										
Prepared: 28-Mar-01 Analyzed: 29-Mar-01										
Lead	51.9	1.0	mg/kg	50.0		104	80-120			
<b>LCS Dup (1C28019-BSD1)</b>										
Prepared: 28-Mar-01 Analyzed: 29-Mar-01										
Lead	52.5	1.0	mg/kg	50.0		105	80-120	1.15	20	





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

Project: Tosco  
Project Number: Tosco # 11126  
Project Manager: Robert Potter

Reported:  
05-Apr-01 12:44

**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 1C28020 - Title 22-STLC</b>										
<b>Blank (1C28020-BLK1)</b>										
					Prepared: 28-Mar-01 Analyzed: 02-Apr-01					
Lead	ND	0.20	mg/l							
<b>LCS (1C28020-BS1)</b>										
					Prepared: 28-Mar-01 Analyzed: 02-Apr-01					
Lead	9.98	0.20	mg/l	10.0		99.8	80-120			
<b>LCS Dup (1C28020-BSD1)</b>										
					Prepared: 28-Mar-01 Analyzed: 02-Apr-01					
Lead	10.0	0.20	mg/l	10.0		100	80-120	0.200	20	





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

Project: Tosco  
Project Number: Tosco # 11126  
Project Manager: Robert Potter

**Reported:**  
05-Apr-01 12:44

### Notes and Definitions

- P-01 Chromatogram Pattern: Gasoline C6-C12
- 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

- 510 Striker Ave., Suite 8 • Sacramento, CA 95834 • (916) 921-9600 FAX (916) 921-9600
- 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: <b>SECOR</b>		Project Name: <b>TOSCO 11126</b>	
Address: <b>1225 Pear Ave, #110, Mt. View</b>		TOSCO Engineer (required) <b>Dave Dewitt</b>	
City: <b>Mt. View</b>	State: <b>CA</b>	Zip Code: <b>94043</b>	<b>W103621</b>
Telephone: <b>650-691-0131</b>		FAX #:	
Report To: <b>Robert Potter</b>		Site #, City, State: <b>11126, Emeryville, CA</b>	
Sampler: <b>C. Melancon</b>		QC Data: <input 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 checked="" type="checkbox"/> <b>2 Work Days</b>	<input type="checkbox"/> 5 Work Days <del>3 Work Days</del>	<input type="checkbox"/> 3 Work Days <input type="checkbox"/> 2-8 Hours	<input type="checkbox"/> Drinking Water <input type="checkbox"/> Waste Water <input type="checkbox"/> Other	<b>Analyses Requested</b>	
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			<div style="display: flex; justify-content: space-around; font-size: small;"> <div style="transform: rotate(-45deg);">TPH (EPA 8015 Mod Gas)</div> <div style="transform: rotate(-45deg);">BTEX (EPA 8020)</div> <div style="transform: rotate(-45deg);">MTBE (EPA 8020)</div> <div style="transform: rotate(-45deg);">TPH (EPA 8015 Mod Diesel)</div> <div style="transform: rotate(-45deg);">Volatile Organics (EPA 8260)</div> <div style="transform: rotate(-45deg);">MTBE Confirmation (EPA 8260)</div> </div>		

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)	Tot. Lead	STLC Lead			
1. <b>SP-B, ABCD</b>	<b>3-28-01</b>	<b>Soil</b>	<b>4</b>	<b>Jar</b>	<b>-01A-D</b>	<b>X</b>	<b>X</b>						<b>X</b>	<b>X</b>	<b>Composite</b>	
2. <b>TBPG-1 ABCD</b>	<b>3-28-01</b>	<b>Soil</b>	<b>4</b>	<b>Jar</b>	<b>-02A-D</b>	<b>X</b>	<b>X</b>						<b>X</b>	<b>X</b>	<b>Composite</b>	
3.																
4.																
5.																
6.																
7.																
8.																
9.																
10.																

Relinquished By: <i>[Signature]</i>	Date: <b>3-28-01</b>	Time: <b>15:35</b>	Received By: <i>Mike Gouin</i>	Date: <b>3/28/01</b>	Time: <b>1535</b>
Relinquished By: _____	Date: _____	Time: _____	Received By: _____	Date: _____	Time: _____
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

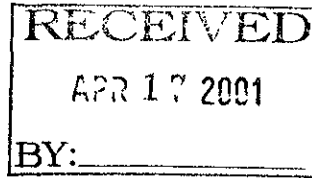
Yellow - Sequoia

White - Sequoia



# Sequoia Analytical

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



13 April, 2001

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

RE: Tosco  
Sequoia Report W104200

Enclosed are the results of analyses for samples received by the laboratory on 09-Apr-01 15:10. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

  
Dimple Sharma  
Project Manager

CA ELAP Certificate #1271





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

Project: Tosco  
Project Number: Tosco # 11266  
Project Manager: Robert Potter


**Reported:**  
13-Apr-01 11:56

## ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP-13, ABCD	W104200-01	Soil	28-Mar-01 00:00	09-Apr-01 15:10

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 # 11266  
Project Manager: Robert Potter

**Reported:**  
13-Apr-01 11:56

**TCLP Metals by EPA 1311/6000/7000 Series Methods  
Sequoia Analytical - Petaluma**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP-13, ABCD (W104200-01) Soil Sampled: 28-Mar-01 00:00 Received: 09-Apr-01 15:10									
Lead	1520	375	ug/l	1	1040246	12-Apr-01	12-Apr-01	EPA 6010B	





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

Project: Tosco  
Project Number: Tosco # 11266  
Project Manager: Robert Potter

**Reported:**  
13-Apr-01 11:56

**TCLP Metals by EPA 1311/6000/7000 Series Methods - Quality Control  
Sequoia Analytical - Petaluma**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 1040246 - EPA 3010A TCLP</b>										
<b>Blank (1040246-BLK1)</b>										
Prepared & Analyzed: 12-Apr-01										
Lead	ND	375	ug/l							
<b>LCS (1040246-BS1)</b>										
Prepared & Analyzed: 12-Apr-01										
Lead	2560	375	ug/l	2500		102	80-120			
<b>Matrix Spike (1040246-MS1)</b>										
Source: W104200-01 Prepared & Analyzed: 12-Apr-01										
Lead	4060	375	ug/l	2500	1520	102	75-125			
<b>Matrix Spike Dup (1040246-MSD1)</b>										
Source: W104200-01 Prepared & Analyzed: 12-Apr-01										
Lead	4230	375	ug/l	2500	1520	108	75-125	4.10	20	







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

Project: Tosco  
Project Number: Tosco # 11266  
Project Manager: Robert Potter

**Reported:**  
13-Apr-01 11.56

### 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**

680 Chesapeake Drive  
404 N. Wiget Lane  
819 Striker Avenue, Suite 8  
1455 McDowell Blvd. North, Ste. D  
1551 Industrial Road

Redwood City, CA 94063  
Walnut Creek, CA 94598  
Sacramento, CA 95834  
Petaluma, CA 94954  
San Carlos, CA 94070, 4111

(650) 364-9600  
(925) 988-9600  
(916) 921-9600  
(707) 792-1865  
(650) 232-9600

FAX (650) 364-9233  
FAX (925) 988-9673  
FAX (916) 921-0100  
FAX (707) 792-0342  
FAX (650) 232-9612

**REQUEST TO RELOG SAMPLES**

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

CLIENT: Secoe-Mtn-View MATRIX: Soil

**PREVIOUSLY LOGGED SAMPLES**

TAT Change status to: 3 days W104200  
Change status as of Day: 4/9/01 Time: 1510

CHANGE ANALYSES

Add Analyses

Cancel Analyses

Sequoia Project ID: W103621

W104200  
01A-D

Sample Number	Analyses
<u>W103621-01</u>	<u>TCLP - Pb (4:1 comp.)</u>

**SAMPLES ON HOLD**

Sample Description	Analyses

Client Authorization (Person/Date/Time): Robert Potter 4/9/01 1510

Project Manager: Dimple Sharma



# TOSCO

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: <b>SECOR</b>		Project Name: <b>TOSCO 11126</b>	
Address: <b>1225 Pear Ave, #110, Mt. View</b>		TOSCO Engineer (required) <b>Dave Dewitt</b>	
City: <b>Mt. View</b>	State: <b>CA</b>	Zip Code: <b>94043</b>	<b>W103621</b>
Telephone: <b>650-691-0131</b>		Site #, City, State: <b>11126, Emeryville, CA</b>	
Report To: <b>Robert Potter</b>	Sampler: <b>C. Melancon</b>	QC Data: <input type="checkbox"/> Level D (Standard) <input type="checkbox"/> Level C <input type="checkbox"/> Level B <input type="checkbox"/> Level A	

Turnaround Time:  10 Work Days  5 Work Days  3 Work Days  2 Work Days  
 Misc.  Detect.  Eval.  Remed.  Demol.  Closure

Analyses Requested  
 Drinking Water  
 Waste Water  
 Other

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)	Tot. Lead	STLC Lead	Comments
1. SP-13, ABCD	3-28-01	Soil	4	Jar	-01A-D	X	X					X	X	Composite
2. TDPG-1, ABCD	3-28-01	Soil	4	Jar	-02A-D	X	X					X	X	Composite
3.														
4.														
5.														
6.														
7.														
8.														
9.														
10.														

Relinquished By: <i>[Signature]</i>	Date: <b>3-28-01</b>	Time: <b>15:35</b>	Received By: <b>Mike Gonin</b>	Date: <b>3/28/01</b>	Time: <b>15:35</b>
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
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: \_\_\_\_\_      Date: \_\_\_\_\_

Print - Client

Yellow - Samaria

White - Samaria



# Sequoia Analytical

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

9 April, 2001

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

RE: Tosco  
Sequoia Report: W104085

Enclosed are the results of analyses for samples received by the laboratory on 04-Apr-01 15:10. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

  
Dimple Sharma  
Project Manager

CA ELAP Certificate #1271





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

Project: Tosco  
Project Number: Tosco # 11126  
Project Manager: Robert Potter


Reported:  
09-Apr-01 13:29

## ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP14-A,B,C,D	W104085-01	Soil	04-Apr-01 11:48	04-Apr-01 15:10
SP14-E,F,G,H	W104085-02	Soil	04-Apr-01 11:53	04-Apr-01 15:10

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 # 11126  
Project Manager: Robert Potter

Reported:  
09-Apr-01 13:29

**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
<b>SP14-A,B,C,D (W104085-01) Soil</b>									<b>P-06</b>
Sampled: 04-Apr-01 11:48 Received: 04-Apr-01 15:10									
Purgeable Hydrocarbons	5.6	1.0	mg/kg	20	1D02003	05-Apr-01	05-Apr-01	DHS LUFT	
Benzene	0.075	0.0050	"	"	"	"	"	"	
Toluene	0.047	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.076	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.18	0.0050	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		99.3 %	40-140	"	"	"	"	"	
<b>SP14-E,F,G,H (W104085-02) Soil</b>									<b>P-06</b>
Sampled: 04-Apr-01 11:53 Received: 04-Apr-01 15:10									
Purgeable Hydrocarbons	18	1.0	mg/kg	20	1D02003	05-Apr-01	05-Apr-01	DHS LUFT	
Benzene	0.034	0.0050	"	"	"	"	"	"	
Toluene	0.047	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.026	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.20	0.0050	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		89.0 %	40-140	"	"	"	"	"	





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

Project: Tosco  
Project Number: Tosco # 11126  
Project Manager: Robert Potter

**Reported:**  
09-Apr-01 13:29

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>SP14-A,B,C,D (W104085-01) Soil    Sampled: 04-Apr-01 11:48    Received: 04-Apr-01 15:10</b>									
Lead	160	1.0	mg/kg	1	1D05021	05-Apr-01	07-Apr-01	EPA 6010A	
<b>SP14-E,F,G,H (W104085-02) Soil    Sampled: 04-Apr-01 11:53    Received: 04-Apr-01 15:10</b>									
Lead	190	1.0	mg/kg	1	1D05021	05-Apr-01	07-Apr-01	EPA 6010A	





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

Project: Tosco  
Project Number: Tosco # 11126  
Project Manager: Robert Potter

**Reported:**  
09-Apr-01 13:29

**STLC CAM Metals by EPA 6000/7000 Series Methods**

**Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>SP14-A,B,C,D (W104085-01) Soil    Sampled: 04-Apr-01 11:48    Received: 04-Apr-01 15:10</b>									
Lead	12	0.20	mg/l	10	1D05003	05-Apr-01	09-Apr-01	EPA 6010A	
<b>SP14-E,F,G,H (W104085-02) Soil    Sampled: 04-Apr-01 11:53    Received: 04-Apr-01 15:10</b>									
Lead	3.2	0.20	mg/l	10	1D05003	05-Apr-01	09-Apr-01	EPA 6010A	







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

Project: Tosco  
Project Number: Tosco # 11126  
Project Manager: Robert Potter

Reported:  
09-Apr-01 13:29

## 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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

### Batch 1D02003 - EPA 5030B MeOH

#### Blank (1D02003-BLK1)

Prepared & Analyzed: 02-Apr-01

Purgeable Hydrocarbons	ND	1.0	mg/kg							
Benzene	ND	0.0050	"							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							

Surrogate: *a, a, a*-Trifluorotoluene

0.682 " 0.600 114 40-140

#### Blank (1D02003-BLK2)

Prepared & Analyzed: 05-Apr-01

Purgeable Hydrocarbons	ND	1.0	mg/kg							
Benzene	ND	0.0050	"							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							

Surrogate: *a, a, a*-Trifluorotoluene

0.646 " 0.600 108 40-140

#### LCS (1D02003-BS1)

Prepared: 02-Apr-01 Analyzed: 03-Apr-01

Benzene	0.528	0.0050	mg/kg	0.800		66.0	50-150			
Toluene	0.720	0.0050	"	0.800		90.0	50-150			
Ethylbenzene	0.756	0.0050	"	0.800		94.5	50-150			
Xylenes (total)	2.34	0.0050	"	2.40		97.5	50-150			

Surrogate: *a, a, a*-Trifluorotoluene

0.654 " 0.600 109 40-140

#### LCS (1D02003-BS2)

Prepared & Analyzed: 05-Apr-01

Benzene	0.734	0.0050	mg/kg	0.800		91.8	50-150			
Toluene	0.764	0.0050	"	0.800		95.5	50-150			
Ethylbenzene	0.816	0.0050	"	0.800		102	50-150			
Xylenes (total)	2.39	0.0050	"	2.40		99.6	50-150			

Surrogate: *a, a, a*-Trifluorotoluene

0.680 " 0.600 113 40-140





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

Project: Tosco  
Project Number: Tosco # 11126  
Project Manager: Robert Potter

Reported:  
09-Apr-01 13:29

**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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 1D02003 - EPA 5030B MeOH**

Matrix Spike (1D02003-MS1)	Source: W103680-01			Prepared: 02-Apr-01		Analyzed: 05-Apr-01				
Benzene	0.610	0.0050	mg/kg	0.800	ND	76.3	50-150			
Toluene	0.758	0.0050	"	0.800	ND	94.8	50-150			
Ethylbenzene	0.800	0.0050	"	0.800	ND	100	50-150			
Xylenes (total)	2.47	0.0050	"	2.40	ND	103	50-150			
Surrogate: <i>a,a,a</i> -Trifluorotoluene	0.482		"	0.600		80.3	40-140			

Matrix Spike Dup (1D02003-MSD1)	Source: W103680-01			Prepared: 02-Apr-01		Analyzed: 05-Apr-01				
Benzene	0.650	0.0050	mg/kg	0.800	ND	81.2	50-150	6.35	20	
Toluene	0.752	0.0050	"	0.800	ND	94.0	50-150	0.795	20	
Ethylbenzene	0.800	0.0050	"	0.800	ND	100	50-150	0	20	
Xylenes (total)	2.45	0.0050	"	2.40	ND	102	50-150	0.813	20	
Surrogate: <i>a,a,a</i> -Trifluorotoluene	0.472		"	0.600		78.7	40-140			





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

Project: Tosco  
Project Number: Tosco # 11126  
Project Manager: Robert Potter

**Reported:**  
09-Apr-01 13:29

**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
<b>Batch 1D05021 - EPA 3050B</b>										
<b>Blank (1D05021-BLK1)</b> Prepared: 05-Apr-01 Analyzed: 07-Apr-01										
Lead	ND	1.0	mg/kg							
<b>LCS (1D05021-BS1)</b> Prepared: 05-Apr-01 Analyzed: 07-Apr-01										
Lead	53.5	1.0	mg/kg	50.0		107	80-120			
<b>LCS Dup (1D05021-BSD1)</b> Prepared: 05-Apr-01 Analyzed: 07-Apr-01										
Lead	52.5	1.0	mg/kg	50.0		105	80-120	1.89	20	
<b>Matrix Spike (1D05021-MS1)</b> Source: W104097-01 Prepared: 05-Apr-01 Analyzed: 07-Apr-01										
Lead	400	1.0	mg/kg	50.0	340	120	80-120			
<b>Matrix Spike Dup (1D05021-MSD1)</b> Source: W104097-01 Prepared: 05-Apr-01 Analyzed: 07-Apr-01										
Lead	321	1.0	mg/kg	50.0	340	-38.0	80-120	21.9	20	Q-02





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

Project: Tosco  
Project Number: Tosco # 11126  
Project Manager: Robert Potter

**Reported:**  
09-Apr-01 13:29

**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 1D05003 - Title 22-STLC</b>										
<b>Blank (1D05003-BLK1)</b>										
Prepared: 05-Apr-01 Analyzed: 09-Apr-01										
Lead	ND	0.20	mg/l							
<b>LCS (1D05003-BS1)</b>										
Prepared: 05-Apr-01 Analyzed: 09-Apr-01										
Lead	9.11	0.20	mg/l	10.0		91.1	80-120			
<b>LCS Dup (1D05003-BSD1)</b>										
Prepared: 05-Apr-01 Analyzed: 09-Apr-01										
Lead	9.29	0.20	mg/l	10.0		92.9	80-120	1.96	20	





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

Project: Tosco  
Project Number: Tosco # 11126  
Project Manager: Robert Potter

**Reported:**  
09-Apr-01 13:29

### Notes and Definitions

- P-06 Chromatogram Pattern: Gasoline C6-C12+ Unidentified Hydrocarbons >C8
- Q-02 The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.
- 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



No 002105  
**TOSCO**

819 Striker Ave., Suite 8 • Sacramento, CA 95834 • (916) 921-1500  
 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 International, Inc. Project Name: TOSCO #11126 W104085  
 TOSCO Engineer (required) Dave DeWitt  
 Address: 1225 Pear Ave. Ste. 110  
 City: Mountain View State: CA Zip Code: 94043  
 Telephone: 650-691-0131 FAX #: 650-691-9837 Site #, City, State: #11126, Emeryville, CA  
 Report To: Robert Potter Sampler: Neil Doran QC Data:  Level D (Standard)  Level C  Level B  Level A  
 Turnaround Time:  10 Work Days  5 Work Days  3 Work Days  2 Work Days  1 Work Day  2-8 Hours  
 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 #	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		STLC-Pb	COMPOSITE
1. SP14-A	4/4/01 1145	Soil	1	6" x 2" brass	O1A-D										-COMPOSITE SP14-A,B,C,D
2. SP14-B	4/4/01 1146	Soil	1	6" x 2" brass											
3. SP14-C	4/4/01 1147	Soil	1	6" x 2" brass											
4. SP14-D	4/4/01 1148	Soil	1	6" x 2" brass	O2A-D										
5. SP14-E	4/4/01 1149	Soil	1	6" x 2" brass											
6. SP14-F	4/4/01 1150	Soil	1	6" x 2" brass											
7. SP14-G	4/4/01 1152	Soil	1	6" x 2" brass											
8. SP14-H	4/4/01 1153	Soil	1	6" x 2" brass											
9.															
10.															

Relinquished By: Neil Doran Date: 4/4/01 Time: 1430 Received By: Mark Colth Date: 4/4/01 Time: 1437  
 Relinquished By: Mark Colth Date: 4/4/01 Time: 1510 Received By: Mike Goin Date: 4-4-01 Time: 1510  
 Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Page \_\_\_ of \_\_\_

Were Samples Received in Good Condition?  Yes  No Samples on Ice?  Yes  No Method of Shipment \_\_\_\_\_  
 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? \_\_\_\_\_ Date: \_\_\_\_\_  
 Signature: \_\_\_\_\_ Company: \_\_\_\_\_

Pink - Client

Yellow - Sequoia

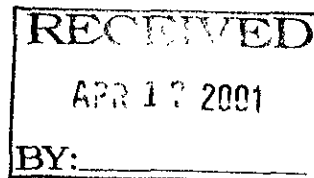
White - Sequoia



# Sequoia Analytical

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

13 April, 2001



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

RE: Tosco  
Sequoia Report: W104199

Enclosed are the results of analyses for samples received by the laboratory on 09-Apr-01 15:10. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Dimple Sharma  
Project Manager

CA ELAP Certificate #1271





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

Project: Tosco  
Project Number: Tosco # 11266  
Project Manager: Robert Potter

**Reported:**  
13-Apr-01 11:55

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP14-A,B,C,D	W104199-01	Soil	04-Apr-01 11:48	09-Apr-01 15:10

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 # 11266  
Project Manager: Robert Potter

**Reported:**  
13-Apr-01 11:55

**TCLP Metals by EPA 1311/6000/7000 Series Methods  
Sequoia Analytical - Petaluma**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP14-A,B,C,D (W104199-01) Soil Sampled: 04-Apr-01 11:48 Received: 09-Apr-01 15:10									
Lead	1010	375	ug/l	1	1040246	12-Apr-01	12-Apr-01	EPA 6010B	



Reported:  
13-Apr-01 11:55

Tosco  
Manager: Robert Potter

EPA 1311/6000/7000 Series Methods - Quality Control  
Sequoia Analytical - Petaluma

Lead	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (1040246-BLK1)	ND	375	ug/l							Prepared & Analyzed: 12-Apr-01
LCS (1040246-BS1)	2560	375	ug/l							Prepared & Analyzed: 12-Apr-01
Matrix Spike (1040246-MS1)	4060	375	ug/l							Source: P104200-01 Prepared & Analyzed: 12-Apr-01
Matrix Spike Dup (1040246-MSD1)	4230	375	ug/l							Source: P104200-01 Prepared & Analyzed: 12-Apr-01
						102	80-120			
						102	75-125			
						108	75-125	4.10	20	



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## 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**

680 Chesapeake Drive  
404 N. Wiget Lane  
819 Striker Avenue, Suite 8  
1455 McDowell Blvd. North, Ste. D  
1551 Industrial Road

Redwood City, CA 94063  
Walnut Creek, CA 94598  
Sacramento, CA 95834  
Petaluma, CA 94954  
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(650) 364-9600 FAX  
(925) 988-9600  
(916) 921-9600  
(707) 792-1865  
(650) 232-9600 FAX

**REQUEST TO RELOG SAMPLE**

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

CLIENT: Secoe - Mtn. View MATRIX: Soil

**PREVIOUSLY LOGGED SAMPLES**

TAT Change status to: 3 days  
Change status as of Day: 4/9/01 Time: 1510 W104199

CHANGE ANALYSES

Add Analyses

Cancel Analyses

Sequoia Project ID: W104085

Sample Number      Analyses

<u>104199-01A-D</u>	<u>W104085-01A-D</u>	<u>TCLP - Pb (4:1 Comp)</u>

**SAMPLES ON HOLD**

Sample Description      -      Analyses


Client Authorization (Person/Date/Time): Robert Patten 4/9/01 1510  
Project Manager: Dimple Sharma



No 002105  
**TOSCO**

819 Striker Ave., Suite 8 • Sacramento, CA 95811 • (916) 988-9000  
 404 N. Wiget Lane • Walnut Creek, CA 94598 • (925) 988-9000  
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 1551 Industrial Road • San Carlos, CA 94070 • (650) 232-9600 FAX (650) 232-9612

Consultant Company: SCOR International, Inc.  
 Address: 1725 Pear Ave. Ste 100  
 City: Mountain View State: CA Zip Code: 94043  
 Telephone: 650 671-0151 FAX #: 650-671-9837

Project Name: TOSCO # 11126  
 TOSCO Engineer (required): Dave DeWitt  
 Site #, City, State: #11126, Emeryville, CA  
 QC Data:  Level D (Standard)  Level C  Level B  Level A

Report To: Robert Potter Sampler: 1/2.1 Nolan  
 Turnaround Time:  10 Work Days  5 Work Days  3 Work Days  2 Work Days  1 Work Day  2-8 Hours

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 #	Analyses Requested							Comments		
						TPH (EPA 815 Mod Gas)	BTEX (EPA 8220)	MTBE (EPA 8220)	TPH (EPA 815 Mod. Gas)	Volatile Organics (EPA 8220)	MTBE Confirmation (EPA 8220)	Total-Pb		STL-Pb	COMPOSITE
1. SP14-A	4/4/01 1145	SOIL	1	6" x 2" bags	11126										COMPOSITE SP14-A, SOIL
2. SP14-B	4/4/01 1146	SOIL	1	6" x 2" bags											
3. SP14-C	4/4/01 1147	SOIL	1	6" x 2" bags											
4. SP14-D	4/4/01 1148	SOIL	1	6" x 2" bags	11126										COMPOSITE SP14-C, E.G.H.
5. SP14-E	4/4/01 1149	SOIL	1	6" x 2" bags											
6. SP14-F	4/4/01 1150	SOIL	1	6" x 2" bags											
7. SP14-G	4/4/01 1152	SOIL	1	6" x 2" bags											
8. SP14-H	4/4/01 1153	SOIL	1	6" x 2" bags											
9.															
10.															

Relinquished By: Neal DeWitt Date: 4/4/01 Time: 1430 Received By: Mark Colby Date: 4/4/01 Time: 1510  
 Relinquished By: Mark Colby Date: 4/4/01 Time: 1510 Received By: Mike Gallo Date: 4/11/01 Time: 1510  
 Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Were Samples Received in Good Condition?  Yes  No  
 Samples on Ice?  Yes  No Method of Shipment \_\_\_\_\_  
 Report completed upon receipt of report?  Yes  No If no, what analyses are still needed? \_\_\_\_\_  
 The analyses requested on the Chain of Custody reported?  Yes  No If no, what was the turnaround time? \_\_\_\_\_  
 Date: \_\_\_\_\_

Pink - Client

Yellow - Sequoia

White - Sequoia