Delta
Environmental
Consultants, Inc.

Po 38

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February 13, 2003

Mr. Barney Chan
Alameda County Health Care Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-9335

Subject: *Results of Additional Hand Auger Soil Assessment and Limited Overexcavation, and Request for Closure*
Former Chevron Service Station No. 9-4587
609 Oak Street
Oakland, California
Delta Project No. DG94-587

Mr. Chan:

Delta Environmental Consultants, Inc. (Delta) has been authorized by Chevron Products Company (Chevron) to prepare a report summarizing the assessment and remediation of residual petroleum hydrocarbons in soil in the vicinity of hand auger boring HA-2 at the above-referenced site. The location of the site is presented on Figure 1, and a site map is included on Figure 2. The purpose of the work was to adequately characterize and remediate soil containing residual concentrations of benzene in excess of 4.1 milligrams per kilogram (mg/kg), pre-profile the soil for disposal and obtain regulatory closure at the site. The work was conducted in accordance with Delta's *Work Plan for Hand Auger Soil Borings and Limited Overexcavation* dated August 9, 2002. The workplan was approved by Alameda County Health Care Services (ACHCS) in a letter dated August 13, 2002, included as Enclosure A. According to ACHCS and the Alameda County Department of Public Works Agency, permits for the hand auger borings were not necessary.

Site Description

The site was formerly operated as Chevron Service Station No. 9-4587 and is located at 609 Oak Street, Oakland, California. It was operated as a gasoline service station prior to the removal of the underground storage tanks (USTs) in 1994. Currently, the site is a vacant lot. Previous environmental work detected petroleum hydrocarbons in the vicinity of the former USTs and former pump islands. There are currently seven monitoring wells (C-1 through C-7) and one groundwater recovery well (CR-1) located at the site.

Background

In April 1982, IT Enviroscience installed two groundwater monitoring wells located adjacent to the UST basin. The wells were drilled in response to the discovery of a leak in one of the fiberglass USTs. Other than the notation of a gasoline odor at 7 feet below surface grade (bsg) in one boring, no evidence of gasoline impact during drilling activities was recorded.

During July 1983, Gettler-Ryan installed three observation wells. Liquid-phase hydrocarbons were observed in well C-1 July 19, 1983.

In April 1987, after a product line leak was repaired, 1,300 mg/kg of total petroleum hydrocarbons as gasoline (TPHg) and 150 mg/kg of benzene were reported in soil samples taken from 7 feet below product lines.

In December 1989, a quarterly monitoring and sampling program began. The initial sampling event reported free product in well C-1 and 16,000 micrograms per liter (µg/L) TPHg in C-2.

In September and October 1990, Geo-Strategies, Inc., installed three offsite, downgradient groundwater monitoring wells, C-4 through C-6 and one onsite recovery well CR-1. Low concentrations of benzene were detected in a soil sample collected from CR-1 at 15 feet bsg. Groundwater samples collected in October 1990, reported concentrations of TPHg ranging from 410 to 31,000 µg/L. Petroleum hydrocarbons were not detected in the three, offsite monitoring wells.

On September 22, 1992, Geraughty & Miller, Inc., submitted a groundwater remediation work plan, outlining installation and operation of a groundwater extraction and treatment system.

From December 1993 to January 1995, Geraughty & Miller, Inc., installed and operated a groundwater extraction and treatment system, treating 460,000 gallons of water. Initial influent groundwater concentrations were reported at 110,000 µg/L TPHg, with influent concentrations of 9,900 µg/L at the end of operations.

In October 1994, Touchstone Developments excavated and removed three USTs. No holes were observed in the USTs, but a hydrocarbon sheen was noted on water within the excavation. Product lines and dispensers were removed and a total of 300 cubic yards of soil was excavated, aerated and transported to a landfill. Soil samples taken from the sidewall of the tank excavation at 9 to 11 feet bsg, reported up to 3,700 mg/kg TPHg and beneath the dispensers up to 1,400 mg/kg TPHg.

In July 1995, Terra Vac installed wells for the dual vacuum extraction system. The well installation report indicated only one soil sample with TPHg and benzene above cleanup goals. From September 1995 to January 1996, Terra Vac operated a dual vacuum extraction and sparging system at the site. Initial hydrocarbon extraction rates up to 200 pounds per day declined to two pounds per day at the end of DVE operations. Air sparging continued after January 1996. In December 1995, Terra Vac drilled interim remediation borings. An interim boring installation report indicated that the samples from boring SP-7 met cleanup criteria, except for one from the saturated zone at 14.3 feet bsg containing 1.2 mg/kg benzene. The vapor extraction wells, air sparging wells and dual completion wells were properly abandoned between 1997 and 1998.

Terra Vac performed a risk assessment for the site in August 1997 and submitted a *Risk Assessment and Threshold Limits* report, dated August 20, 1997. The risk assessment was performed using Groundwater Services, Inc. RBCA Tier 1/Tier 2 software (1995 version). A site-specific target level (SSTL) of 4.1 mg/kg benzene was derived for soil based on a commercial risk exposure of 1×10^{-5}. An SSTL of 720 µg/L benzene (on-site) was calculated for groundwater based on a residential risk exposure of 1×10^{-6}. Based on these findings, ACHCS issued a letter dated October 27, 1997 which stated that monitoring wells C-1, C-2, and CR-1 and off-site well C-5 must be monitored on a semi-annual basis for two years; and, if after two years the groundwater from the on-site wells contained

less than 720 µg/L benzene, and groundwater from the off-site well had less than 100 µg/L benzene, the site could be re-evaluated for closure. Based on this finding, Chevron notified the property owners (Chevron letter, dated October 31, 1997) that ACHCS approved Terra Vac's Risk Management Plan and the site could be developed for commercial use with the requirement that semi-annual sampling continue for two years.

In August 2001, Delta contacted Mr. Barney Chan at ACHCS to discuss the status of the closure evaluation on the site, since more than two years had elapsed and the benzene concentrations in groundwater were below the SSTLs calculated for the on-site and off-site wells. In October 2001, Mr. Chan contacted Delta and requested some additional site information (boring logs) to assist in his closure evaluation. Chevron received a letter from ACHCS dated November 28, 2001 stating that the highest benzene concentration in soil at the site (23 ppm in HA-2 at 5 ft bsg) exceeded the acceptable human health risk for residential exposure to an indoor air exposure pathway and required either: a more specific risk assessment; a deed restriction; resampling to determine current contaminant levels or remediate the affected area. In July 2002, Chevron authorized Delta to proceed with additional assessment activities to characterize the extent of benzene in soil exceeding the SSTL and remediation of the affected area, if necessary.

Hand Auger Assessment

On September 13, 2002, Delta advanced five hand auger soil borings at the locations shown on Figure 2 to further assess the lateral and vertical extent of benzene in soil in the vicinity of hand auger boring HA-2. Four of the hand auger soil borings (HA-4 through HA-7) were advanced to a depth of approximately 8 feet bsg. Hand auger boring HA-8 was advanced to a depth of approximately 9 feet bsg.

Soil samples were collected at 2.5, 5, and 7.5 feet bsg in each of the borings. In addition, a sample was collected at 8.5 feet bsg from HA-8. Delta had proposed collecting a sample at 10 feet but refusal was encountered at 8.5 feet. Soil samples were collected using the field methods and procedures described in Enclosure B. Soil samples were field screened for the presence of organic vapors using a photoionization detector (PID). The subsurface lithology was described using visual and manual methods of the Unified Soil Classification System (USCS) under the supervision of a California Registered Geologist. Soil encountered in the well borings consisted of silt, silty clay, sand and gravel. Logs of the borings are included in Enclosure C.

Three discrete soil samples from each boring were submitted to Lancaster Laboratories in Lancaster, Pennsylvania for laboratory analysis of benzene, toluene, ethylbenzene, and total xylenes (BTEX) and methyl tertiary butyl ether (MTBE) using EPA Method 8021 and total petroleum hydrocarbons as gasoline range organics (TPH-GRO) using EPA Method 8015 Modified. In addition, the discrete samples collected at 2.5, 5.0 and 7.5 ft bsg were composited into three composite samples (HA-(4-8)-S-2.5, HA-(4-8)-S-5.0, and HA-(4-8)-S-7.5) and analyzed for BTEX using EPA Method 8021, TPH-GRO using EPA Method 8015, and total lead by EPA Method 7241 in order to profile disposal pre-approval from the landfill.

The soil samples submitted for analysis did not contain concentrations of MTBE at or above the laboratory reporting limits. Benzene was reported in 9 of 15 soil samples submitted at concentrations ranging from 0.0079 mg/kg (HA-6) at 2.5 feet bsg to 5.9 mg/kg (HA-6) at 7.5 feet bsg. The only concentration of benzene reported above the SSTL of 4.1 mg/kg was the 7.5 ft bsg sample from boring

HA-6. Soil sample analytical results are presented in Table 1. A copy of the soil sample laboratory analytical report is included in Enclosure D.

Delta's *Work Plan for Hand Auger Soil Borings and Limited Overexcavation* dated August 9, 2002, proposed overexcavation of soil with benzene concentrations exceeding 4.1 mg/kg. Out of 15 soil samples analyzed from borings HA-4 through HA-8, only one sample (HA-6-S-7.5), collected at 7.5 feet, reported benzene concentrations above the SSTL of 4.1 mg/kg. In accordance with the workplan, Delta performed overexcavation in the vicinity of HA-6.

Overexcavation Results

On January 29, 2003, Delta supervised Speelman Excavation of Linden, California overexcavate 54 cubic yards (78.92 tons) of soil in the vicinity of hand augers HA-2 and boring HA-6. The location and dimensions of the excavation are illustrated on Figure 2. Hydrocarbon impacted soil was encountered from approximately 6.5 to 8.5 feet bsg. Overburden soil not impacted by petroleum hydrocarbons was segregated and reused to backfill the excavation and low spots on the subject property. Groundwater was encountered in the excavation at 9 feet bsg. The excavation extended to a depth of approximately 8.5 to 9 feet bsg; refusal was encountered at 9 feet bsg on concrete.

Confirmation soil samples (OE-1 through OE-4) were collected from each sidewall of the excavation at 8.5 feet bsg. A bottom sample was not collected due to the presence of the concrete and groundwater. The samples were submitted to Sequoia Analytical laboratory in Morgan Hill, California for analysis of BTEX, MTBE and TPH-GRO by EPA Method 8260. Petroleum hydrocarbon constituents were only reported in sample OE-3-8.5, which is located approximately directly beneath one of the former dispenser islands (Figure 2). Benzene was reported at 0.31 mg/kg, MTBE at 0.042 mg/kg and TPH-GRO at 8.5 mg/kg. Soil sample analytical results are summarized in Table 1 and a copy of the laboratory analytical report with chain-of-custody documentation is provide in Enclosure E.

The excavated soil was directly loaded into three end dump trucks supplied by Manley and Sons Trucking (Manley) of Sacramento, California. The soil was transported, under non-hazardous waste manifests, to Allied Waste's Forward Landfill in Stockton, California for disposal on January 29, 2003. Copies of the non-hazardous waste disposal manifests are included in Enclosure F. (54 yd)

Following receipt of the confirmation soil sample analytical results, the excavation was backfilled with aggregate base obtained from Dutra Materials in Hayward, California. The backfill was compacted to 90 percent of maximum dry density in accordance with ASTM D 1557-91 Procedure C Modified. Relative compaction was tested and verified by CMT, Inc. of Concord, California. A copy of the compaction test report issued by CMT, Inc. is included in Enclosure G.

Conclusions/Recommendations

Based on the soil sample analytical results for the excavation, the overexcavation was successful in removing the "hot spot" of soil, in the vicinity of hand auger borings HA-2 and HA-6, that contained benzene at concentrations in excess of the SSTL (4.1 mg/kg). It is Delta's opinion that no further assessment or remediation of the soil at the site is warranted and the site should be considered a low risk soil and groundwater site, and granted regulatory closure.

Remarks/Signatures

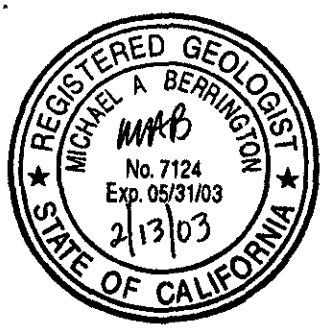
The interpretations contained in this document represent our professional opinions, and are based in part, on information supplied by the client. These opinions are based on currently available information and are arrived at in accordance with currently accepted hydrogeological and engineering practices at this time and location. Other than this, no warranty is implied or intended.

If you have any questions regarding this project, please contact Mike Berrington at (916) 536-2616.

Sincerely,

DELTA ENVIRONMENTAL CONSULTANTS, INC.

Michael A. Berrington, R.G.
Project Manager
California Registered Geologist No. 7124



BAB (LRP003.9-4587 Overexcavation Rpt)
Enclosures

cc: Ms. Karen Streich – Chevron Products Company
Mr. Chuck Headlee – San Francisco Bay Regional Water Quality Control Board
Mr. A. Guidotti, #1 Bates Boulevard, Orinda, CA 94563

925-842-1589
6001 Bollinger Canyon Rd L4550
PO Box 6012
San Ramon 94583-2324

TABLE 1

SOIL SAMPLE LABORATORY ANALYTICAL RESULTS

Former Chevron Service Station No. 9-4587
609 Oak Street
Oakland, California

Sample ID	Date Collected	Depth (ft)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	TPH as Gasoline (mg/kg)	MTBE (mg/kg)	Total Lead (mg/kg)
Hand Auger Borings									
HA-4-S-2.5	09/13/02	2.5	<0.005	<0.005	<0.005	0.056	36	<0.050	NA
HA-4-S-5.0	09/13/02	5.0	2.1	92	50	310	1,700	<1.0	NA
HA-4-S-7.5	09/13/02	7.5	1.9	100	76	550	2,700	<2.0	NA
HA-5-S-2.5	09/13/02	2.5	<0.005	0.022	0.0087	0.058	<1.0	<0.050	NA
HA-5-S-5.0	09/13/02	5.0	<0.005	<0.005	<0.005	0.018	<1.0	<0.050	NA
HA-5-S-7.5	09/13/02	7.5	0.0099	0.061	0.12	0.94	15	<0.050	NA
HA-6-S-2.5	09/13/02	2.5	0.0079	0.092	0.14	1.5	24	<0.050	NA
HA-6-S-5.0	09/13/02	5.0	0.23	3.5	2.7	20	130	<0.50	NA
HA-6-S-7.5	09/13/02	7.5	5.9	120	44	260	1,500	<1.0	NA
HA-7-S-2.5	09/13/02	2.5	<0.005	0.020	<0.005	0.027	<1.0	<0.050	NA
HA-7-S-5.0	09/13/02	5.0	<0.005	<0.005	<0.005	<0.015	<1.0	<0.050	NA
HA-7-S-7.5	09/13/02	7.5	0.061	0.41	2.0	25	400	<0.20	NA
HA-8-S-2.5	09/13/02	2.5	<0.005	<0.005	<0.005	0.028	3.3	<0.050	NA
HA-8-S-5.0	09/13/02	5.0	<0.005	3.7	4.0	38	260	<0.20	NA
HA-8-S-8.5	09/13/02	8.5	0.15	6.2	5.6	57	540	<0.50	NA
Pre-Profile Stockpile									
HA-(4-8)-S-2.5	09/13/02	---	<0.005	<0.005	<0.005	0.051	5.7	<0.050	10.2
HA-(4-8)-S-5.0	09/13/02	---	0.25	11	8.4	57	340	<1.0	13.7
HA-(4-8)-S-7.5	09/13/02	---	1.8	57	31	220	1,300	<5.0	34.1
Post-Overexcavation									
OE-1-8.5	01/29/03	8.5	<0.05	<0.05	<0.05	<0.05	<5.0	<0.025	NA
OE-2-8.5	01/29/03	8.5	<0.05	<0.05	<0.05	<0.05	<5.0	<0.025	NA
OE-3-8.5	01/29/03	8.5	0.31	<0.05	0.29	1.4	8.5	0.042	NA
OE-4-8.5	01/29/03	8.5	<0.05	<0.05	<0.05	<0.05	<5.0	<0.025	NA

TPH-GRO = Total petroleum hydrocarbons as gasoline range organics.
MTBE = Methyl tertiary butyl ether (analyzed by EPA Method 8260)
mg/kg = Milligrams per kilogram.
NA = Not analyzed

GENERAL NOTES:
BASE MAP FROM U.S.G.S.
OAKLAND WEST, CA.
7.5 MINUTE TOPOGRAPHIC
PHOTOREVISED 1980

QUADRANGLE LOCATION

SCALE 1:24,000

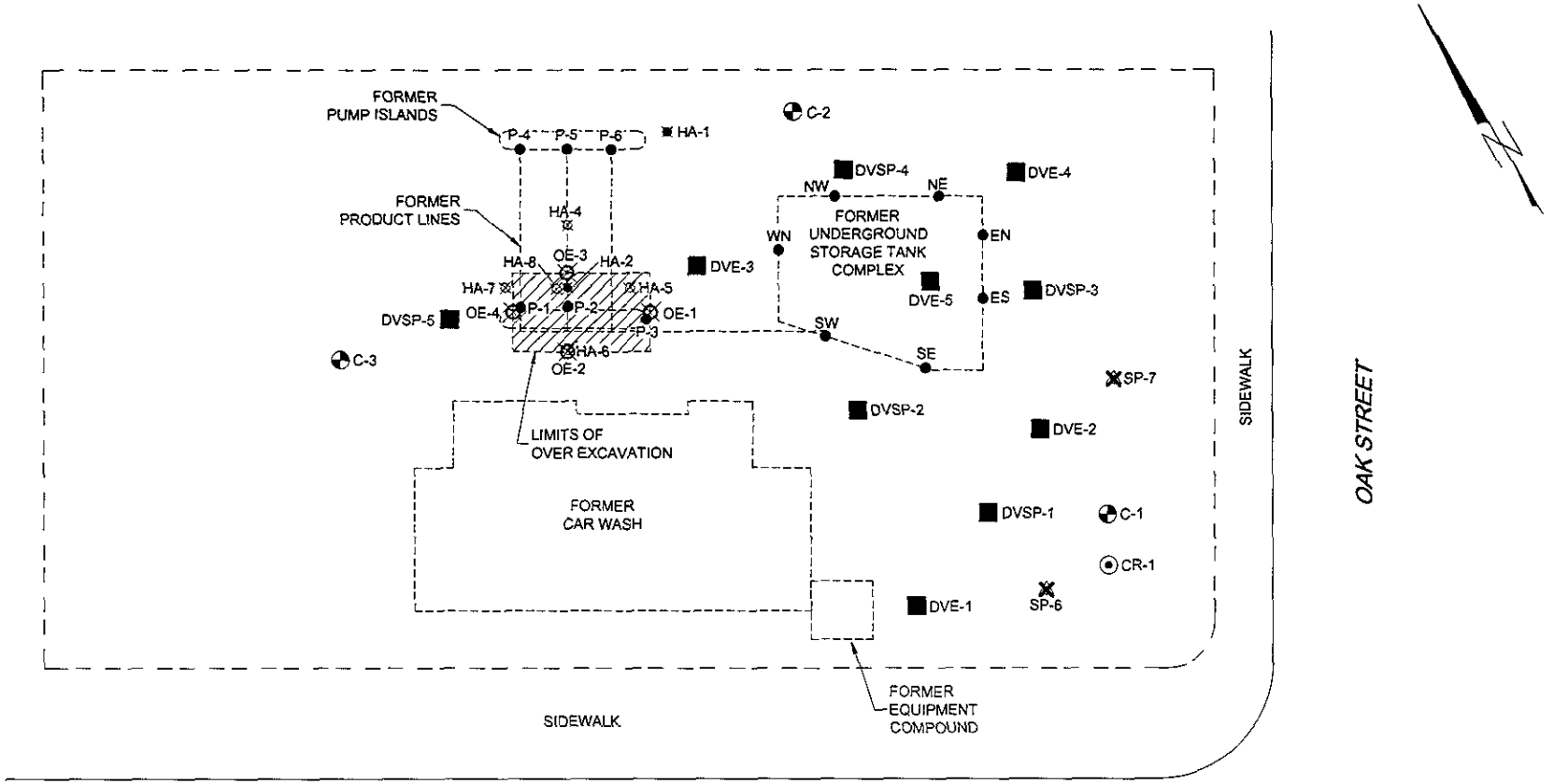
FIGURE 1

SITE LOCATION MAP

FORMER CHEVRON STATION NO. 9-4587
609 OAK STREET
OAKLAND, CA.

PROJECT NO DG94-587	DRAWN BY M.L 7/15/02
FILE NO DG94587A	PREPARED BY W.S.
REVISION NO. 1	REVIEWED BY

Delta Environmental Consultants, Inc.



LEGEND:

C-1	MONITORING WELL LOCATION
DVE-1	ABANDONED VAPOR EXTRACTION WELL LOCATION
SP-7	ABANDONED AIR SPARGE WELL LOCATION
DVSP-1	DUAL COMPLETION WELL LOCATION
P-1	SOIL SAMPLE LOCATION
HA-1	HAND AUGER SOIL BORING LOCATION
HA-4	HAND AUGER SOIL BORING LOCATION (9/13/02)
OE-1	OVER EXCAVATION SOIL SAMPLE COLLECTED AT 8 5' BELOW SURFACE GRADE BY DELTA ENVIRONMENTAL ON 1/29/03

0 30 FT

APPROX. SCALE

FIGURE 2

SITE MAP

FORMER CHEVRON STATION NO. 9-4587
609 OAK STREET
OAKLAND, CA.

PROJECT NO. DG94-587	DRAWN BY M.L. 2/11/03
FILE NO DG945878	PREPARED BY MAB
REVISION NO. 3	REVIEWED BY

Delta Environmental Consultants, Inc.

ENCLOSURE A

Alameda County Health Care Services Letter
Dated August 13, 2002

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

August 13, 2002

Ms. Karen Streich
Chevron Products Company
6001 Bollinger Canyon Rd., Bld. L
Room 4050 P.O. Box 6004
San Ramon, CA 94583

Dear Ms. Streich:

Subject: Fuel Leak Case No. RO0000038, Former Chevron Service Station No. 9-4587
609 Oak St., Oakland, CA 94607

Alameda County Environmental Health, Local Oversight Program (LOP), has received and reviewed the August 9, 2002 *Work Plan for Hand Auger Soil Borings and Limited Overexcavation* for the referenced site prepared by Delta Environmental Consultants, Inc. This work plan addresses my prior November 28, 2001 request for additional investigation at this site. The work plan proposes the advancement of five hand auger soil borings, four centered around boring HA-2 which previously identified elevated benzene. The fifth will be near the location of former boring HA-2. Soil samples from several depths (2.5', 5' & 7.5') will be screened for potential analysis from each boring. A deeper sample from 10' is also proposed for the center boring. Our office approves this work plan with the following conditions:

- A minimum of one sample should be analyzed from the four surrounding borings to confirm the extent of contamination.
- A minimum of two soil samples should be analyzed from the center boring, since this is the general location of the former elevated sample. All samples should be run for TPHg, BTEX and MTBE. Any MTBE detected by Method 8021 should be confirmed using Method 8260.
- As noted, limited excavation is recommended if residual benzene remains above the SSTL previously determined. Natural attenuation may have already reduced levels below this level.
- Please insure that the other oxygenates, TAME, ETBE, DIPE and TBA plus EDB and EDC have been analyzed in groundwater. If they have not, please analyze a groundwater sample from well C-1.
- Please notify our office when this work is scheduled.

You may contact me at (510) 567-6765 if you have any questions.

Sincerely,

Barney M. Chan

Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, files
Mr. A. Guidotti, #1 Bates Boulevard, Orinda, CA 94563
Mr. M. Berrington, Delta Environmental Consultants, 3164 Gold Camp Dr., Suite 200, Rancho Cordova, CA 95670-6021

Wpap609OakSt

ENCLOSURE B

Field Methods and Procedures

1.0 METHODS AND PROCEDURES

1.1 Health and Safety Plan

Field work performed by Delta at the site is conducted according to guidelines established in a Site Health and Safety Plan (SHSP). The SHSP is a document which describes the hazards that may be encountered in the field and specifies protective equipment, work procedures, and emergency information. Directions to the nearest hospital emergency room and a map of the route to the hospital are also included. A copy of the SHSP is at the site and available for reference by appropriate parties during work at the site.

1.2 Locating Underground Utilities

Prior to commencement of work on-site, Delta researches the location of all underground utilities with the assistance of Underground Service Alert (USA). USA contacts the owners of the various utilities in the vicinity of the site to have the utility owners mark the locations of their underground utilities. Although scope of work includes the advancing of hand auger borings exclusively, additional caution will be taken to avoid contact with underground utilities.

1.3 Soil Sampling and Contamination Reduction

A Delta geologist will perform soil borings and soil sampling. The soil borings will be advanced using a manual hand. To avoid cross-contamination between boreholes, the cutting bit of the hand auger will be washed in a Liqui-Nox solution and rinsed thoroughly.

A brass tube measuring approximately 6 inches long and 2 inches in diameter will be placed in a core sampler. The core sampler is attached to a manual slide hammer, which will be used to advance the core sampler containing the brass tube into the native material. Once the core sampler has been advanced 6 inches, it is pulled from the boring and the brass tube containing the sample is removed from the core sampler. Upon recovery, the brass tube containing the sample will be sealed at both ends with Teflon, capped, and stored at approximately 4°C for transport to the laboratory. To reduce cross-contamination between samples, the core sampler will also be washed in the Liqui-Nox solution and rinsed between each boring.

1.4 Soil Classification

As the samples are obtained in the field, the geologist in accordance with the Unified Soil Classification System (USCS) will classify them. Representative portions of the samples will then be retained for further examination and for verification of the field classification.

1.5 Soil Sample Screening/hNu Portable Photoionization Detector Method

A portion of the soil collected from the borings will be placed in plastic bags. After the plastic bags containing soil have been brought to ambient temperature, the headspace vapors of the sample in the bag will be screened with a PID equipped with a 10.2 eV lamp. The sample corner of the bag will be opened and the detector probe immediately placed within the headspace. The highest observed reading will be recorded.

2.0 ANALYTICAL PROCEDURES

Soil samples submitted to the laboratory will be analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX) using EPA Method 8021, total petroleum hydrocarbons in the gasoline range (TPH-GRO) using the DHS LUFT Method, and (methyl tertiary butyl ether) MTBE using EPA Method 8021. Groundwater samples submitted to the laboratory will be analyzed for BTEX using EPA Method 8021, TPH-GRO using EPA Method 8015 Modified, and MTBE using EPA Method 8021.

3.0 QUALITY ASSURANCE PLAN

This section describes the field and analytical procedures to be followed throughout the investigation.

3.1 General Sample Collection and Handling Procedures

Proper collection and handling are essential to ensure the quality of a sample. Each sample will be collected in a suitable container, preserved correctly for the intended analysis, and stored prior to analysis for no longer than the maximum allowable holding time. Details on the procedures for collection and handling of soil samples used on this project can be found in Section 1.0 (Methods).

3.2 Sample Identification and Chain-of-Custody Procedures

Sample identification and chain-of-custody procedures ensure sample integrity and document sample possession from the time of collection to its ultimate disposal. Each sample container submitted for analysis will have a label affixed to identify the job number, sampler, date and time of sample collection, and a sample number unique to that sample. This information, in addition to a description of the sample, field measurements made, sampling methodology, names of on-site personnel, and any other pertinent field observations, will be recorded on the borehole log or in the field records. A California-certified laboratory will analyze samples.

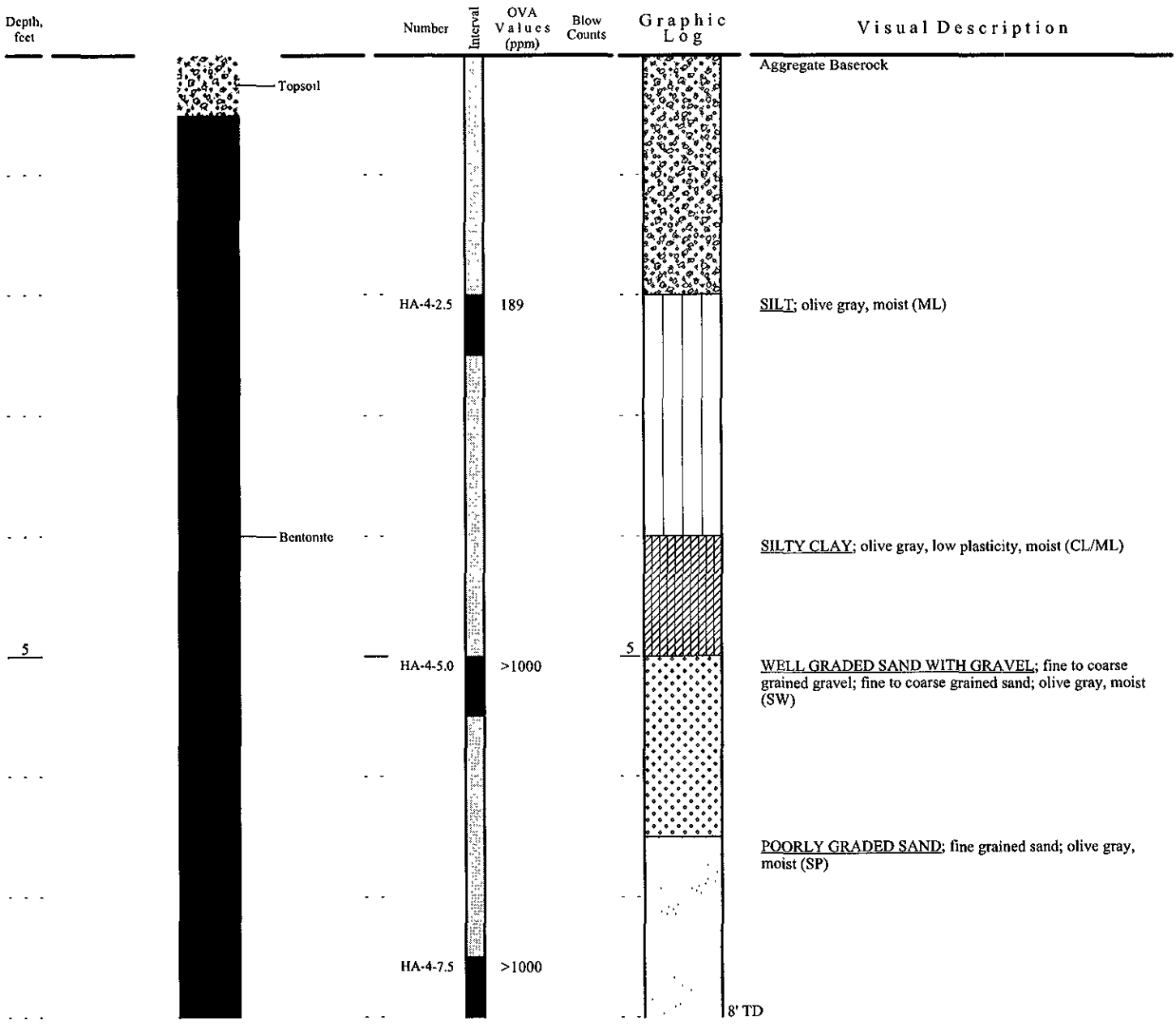
A chain-of-custody form will be used to record possession of the sample from time of collection to its arrival at the laboratory. When the samples are shipped, the person in custody of them will relinquish the samples by signing the chain-of-custody form and noting the time. The sample-control officer at the laboratory will verify sample integrity and confirm that it was collected in the proper container, preserved correctly, and that there is an adequate volume for analysis.

If these conditions are met, the sample will be assigned a unique log number for identification throughout analysis and reporting. The log number will be recorded on the chain-of-custody form and in the legally-required log book maintained by the laboratory in the laboratory. The sample description, date received, client's name, and other relevant information will also be recorded.

ENCLOSURE C

Logs of Borings

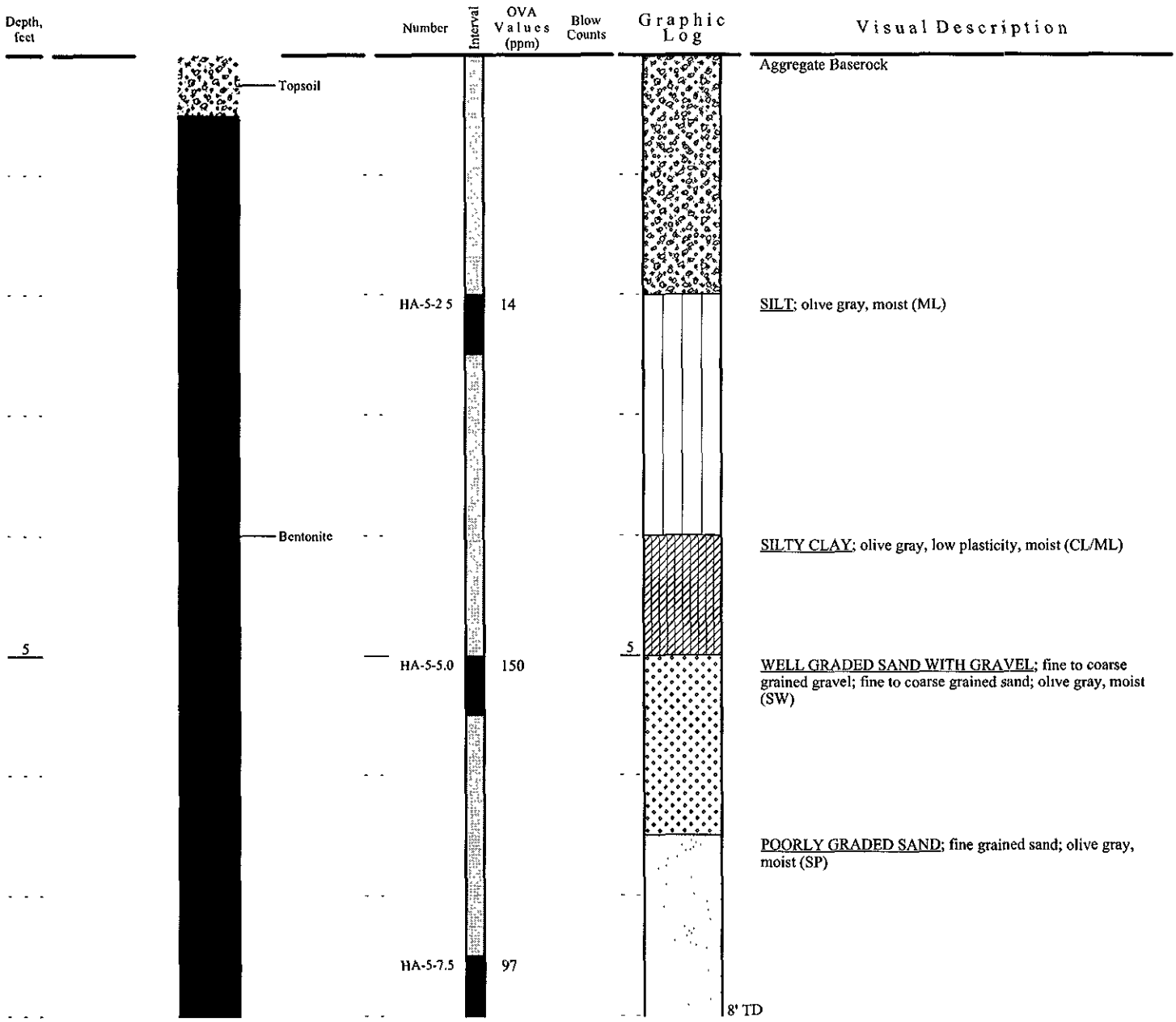
Delta Environmental Consultants, Inc.	Street Address	Project ID	
	609 Oak Street	**Chevron Station No. 9-4587**	
	City & State	Surface Elev.	Well / Boring ID
	Oakland, California	**NM**	**HA-4**
	Delta Project #	*Casing Elev.*	*Total Depth*
	DG94-587	**NA**	**8'**



Dates and Times	Logger	Sampling Method & Diameter	Permitting Agency
	Brett A. Bardsley		**Alameda County Health Care Services**
Start	Drilling Company & Driller	Bore Hole Diameter	Permit #
9/13/02 1115	**,**	**3-inches**	**NA**
Total Depth	Drillers C-57#		
9/13/02 1240			
Completion or backfill	Drilling Equipment and method		
9/13/02 1500	**Hand Auger,**		**Page 1 of 1**

WELL 94-587.GPJ 10/23/02

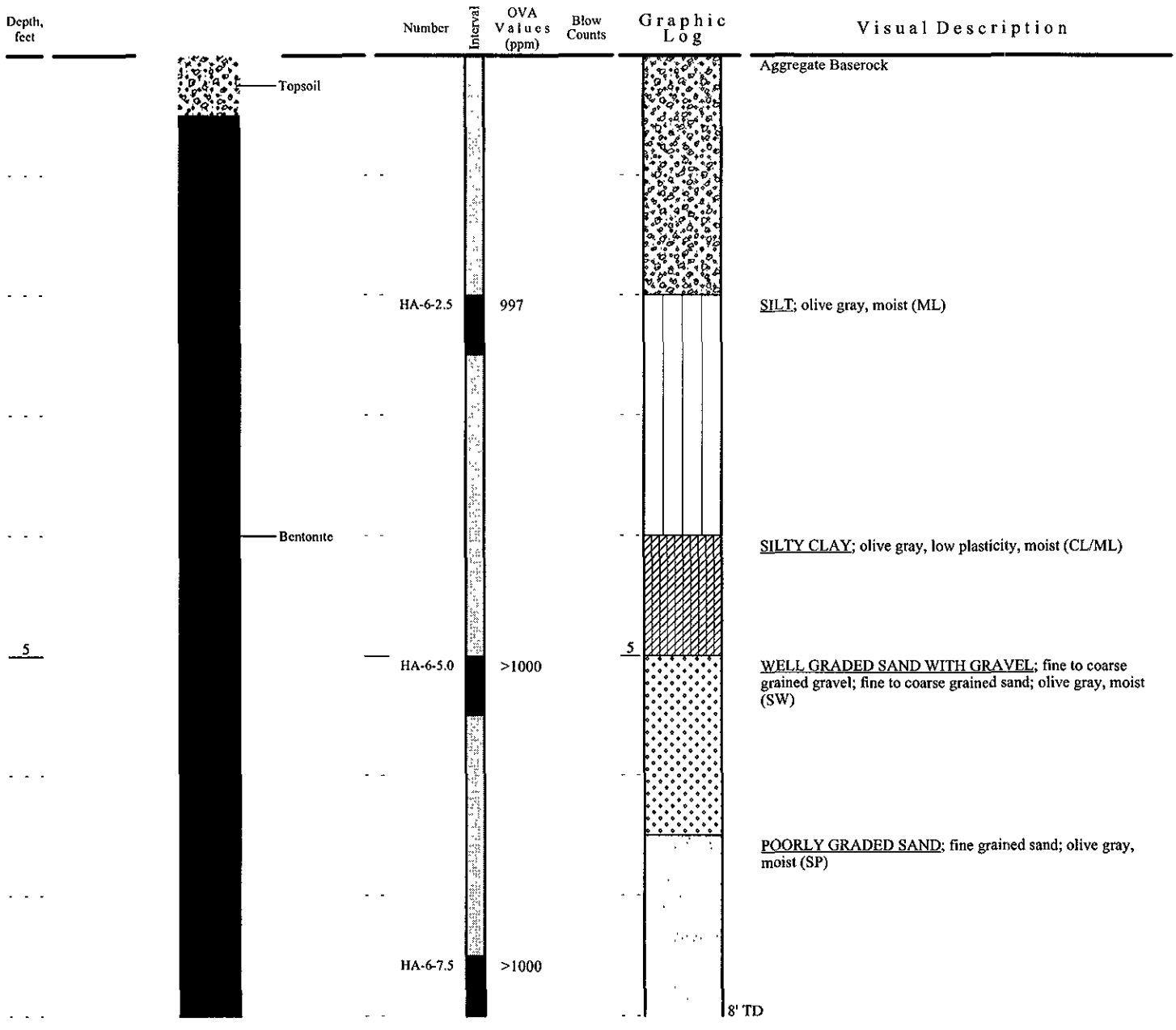
Delta Environmental Consultants, Inc.	Street Address	Project ID	
	609 Oak Street	**Chevron Station No. 9-4587**	
	City & State	Surface Elev.	Well / Boring ID
	Oakland, California	**NM**	**HA-5**
	Delta Project #	Casing Elev.	Total Depth
	DG94-587	**NA**	**8'**



Dates and Times	Logger	Sampling Method & Diameter	Permitting Agency
	Brett A. Bardsley		**Alameda County Health Care Services**
Start	Drilling Company & Driller	Bore Hole Diameter	Permit #
9/13/02 1225	**,**	**3-inches**	**NA**
Total Depth	Drillers C-57#		
9/13/02 1415			
Completion or backfill	Drilling Equipment and method		
9/13/02 1500	**Hand Auger,**		**Page 1 of 1**

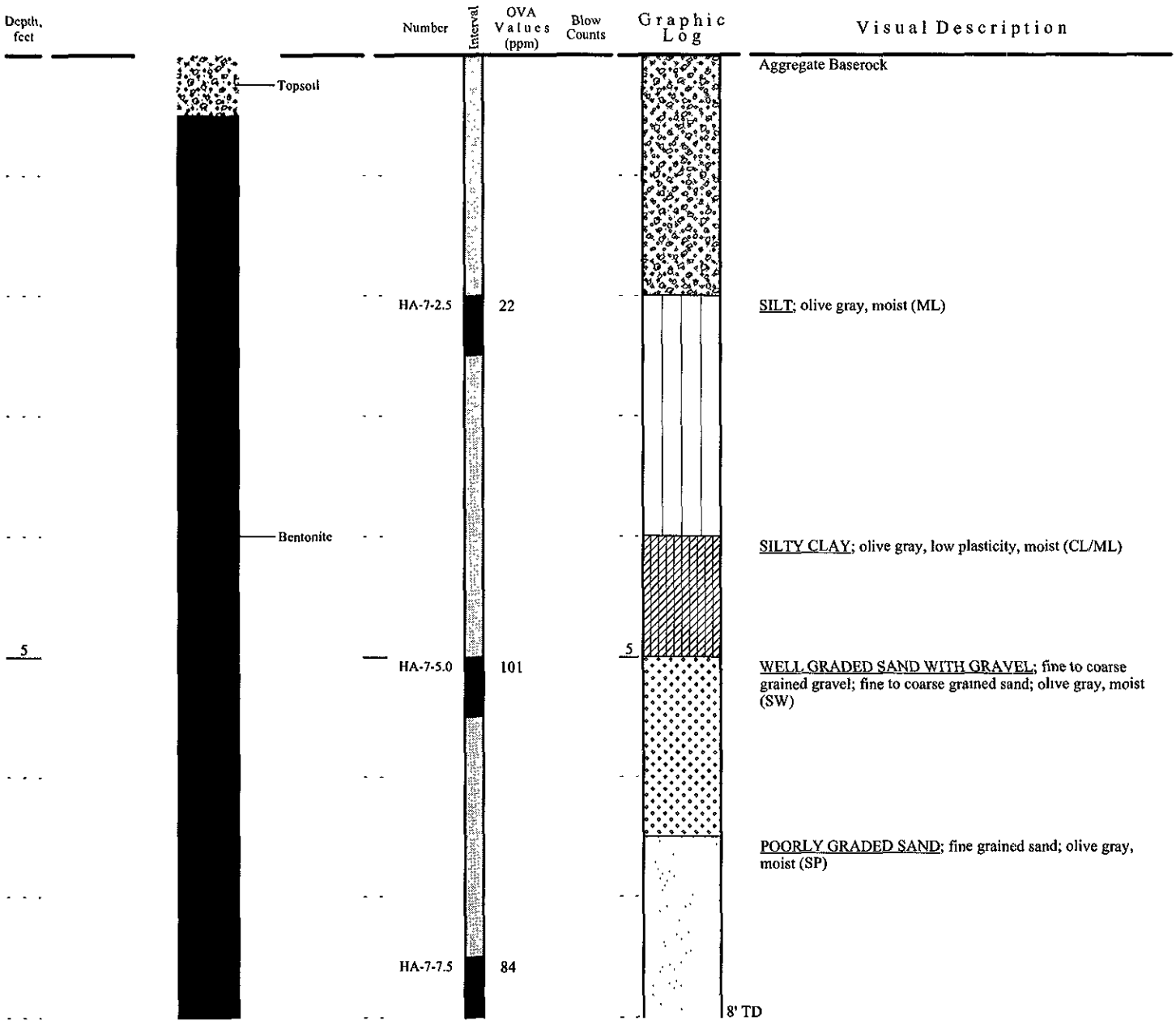
WELL 94-587 GPJ 10/23/02

Delta Environmental Consultants, Inc.	Street Address	Project ID	
	609 Oak Street	**Chevron Station No. 9-4587**	
	City & State	Surface Elev.	Well / Boring ID
	Oakland, California	**NM**	**HA-6**
	Delta Project #	Casing Elev.	Total Depth
	DG94-587	**NA**	**8'**



Dates and Times	Logger	Sampling Method & Diameter	Permitting Agency
	Brett A. Bardsley		**Alameda County Health Care Services**
Start	Drilling Company & Driller	Bore Hole Diameter	Permit #
9/13/02 1005	,	**3-inches**	**NA**
Total Depth	Drillers C-57#		
9/13/02 1125			
Completion or backfill	Drilling Equipment and method		
9/13/02 1500	**Hand Auger,**		**Page 1 of 1**

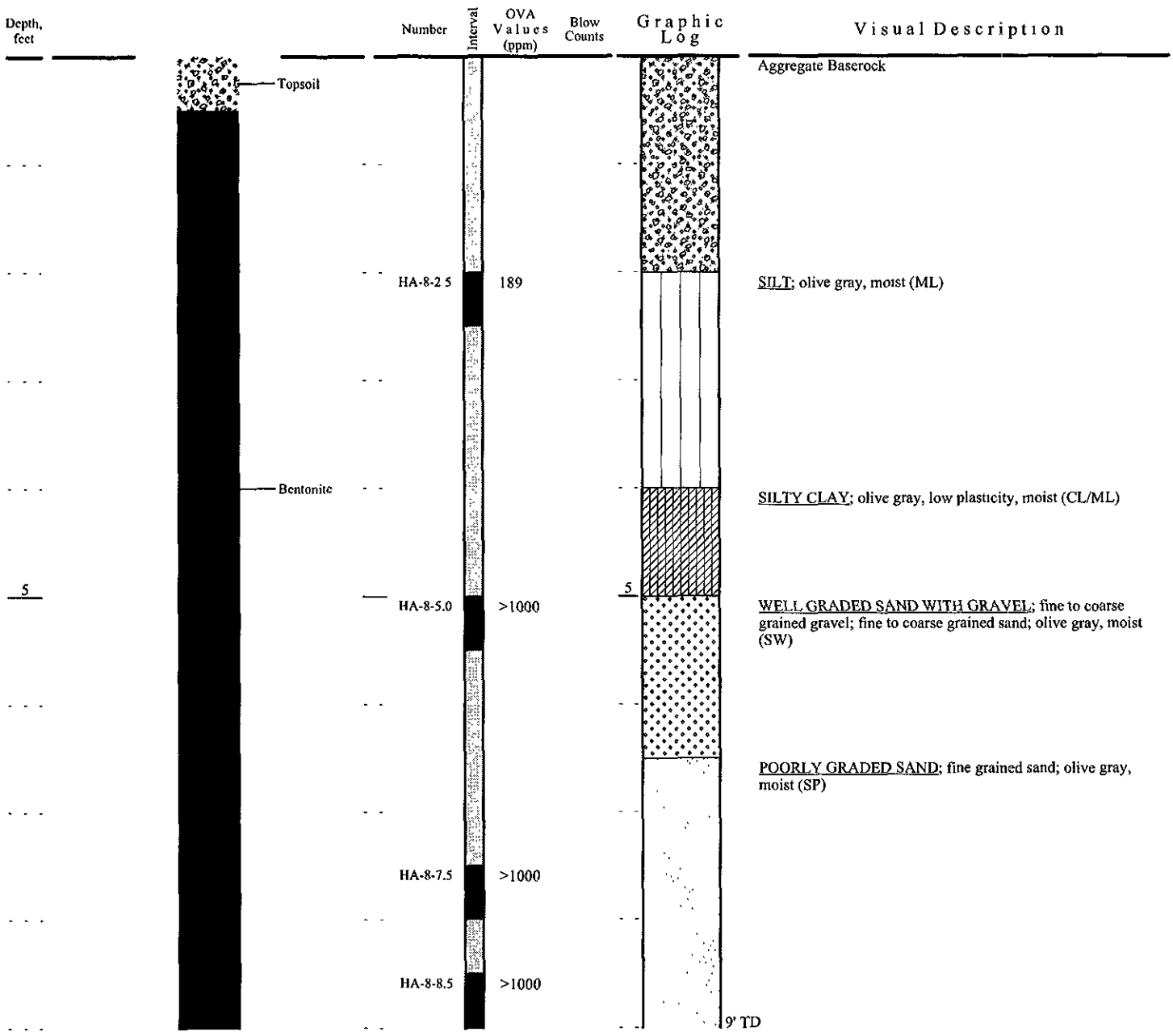
Delta Environmental Consultants, Inc.	Street Address	Project ID	
	609 Oak Street	**Chevron Station No. 9-4587**	
	City & State	Surface Elev.	Well / Boring ID
	Oakland, California	**NM**	**HA-7**
	Delta Project #	Casing Elev.	Total Depth
	DG94-587	**NA**	**8'**



Dates and Times	Logger	Sampling Method & Diameter	Permitting Agency
	Brett A. Bardsley		**Alameda County Health Care Services**
Start	Drilling Company & Driller	Bore Hole Diameter	Permit #
9/13/02 1300	**,**	**3-inches**	**NA**
Total Depth	Drillers C-57#		
9/13/02 1500			
Completion or backfill	Drilling Equipment and method		
9/13/02 1500	**Hand Auger,**		**Page 1 of 1**

WELL 94-587.GPJ 10/23/02

Delta Environmental Consultants, Inc.	Street Address	Project ID	
	609 Oak Street	**Chevron Station No. 9-4587**	
	City & State	Surface Elev.	Well / Boring ID
	Oakland, California	**NM**	**HA-8**
	Delta Project #	Casing Elev.	Total Depth
	DG94-587	**NA**	**9'**



Dates and Times	Logger	Sampling Method & Diameter	Permitting Agency
	Brett A. Bardsley		**Alameda County Health Care Services**
Start	Drilling Company & Driller	Bore Hole Diameter	Permit #
9/13/02 0900	,	**3-Inches**	**NA**
Total Depth	Drillers C-57#		
9/13/02 1030			
Completion or backfill	Drilling Equipment and method		
9/13/02 1500	**Hand Auger,**		**Page 1 of 1**

WELL 94-587.GPJ 10/23/02

ENCLOSURE D

Hand Auger Boring Soil Sample Laboratory Analytical Report

Lancaster Laboratories
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ANALYTICAL RESULTS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 823165. Samples arrived at the laboratory on Tuesday, September 17, 2002. The PO# for this group is 99011184 and the release number is STREICH.

Client Description			Lancaster Labs Number
HA-4-S-2.5-020913	Grab	Soil	3900484
HA-4-S-5.0-020913	Grab	Soil	3900485
HA-4-S-7.5-020913	Grab	Soil	3900486
HA-5-S-2.5-020913	Grab	Soil	3900487
HA-5-S-5.0-020913	Grab	Soil	3900488
HA-5-S-7.5-020913	Grab	Soil	3900489
HA-6-S-2.5-020913	Grab	Soil	3900490
HA-6-S-5.0-020913	Grab	Soil	3900491
HA-6-S-7.5-020913	Grab	Soil	3900492
HA-7-S-2.5-020913	Grab	Soil	3900493
HA-7-S-5.0-020913	Grab	Soil	3900494
HA-7-S-7.5-020913	Grab	Soil	3900495
HA-8-S-2.5-020913	Grab	Soil	3900496
HA-8-S-5.0-020913	Grab	Soil	3900497
HA-8-S-8.5-020913	Grab	Soil	3900498
HA-(4-8)-S-2.5-020913	Composite	Soil	3900499
HA-(4-8)-S-5.0-020913	Composite	Soil	3900500
HA-4-8-S-7.5,8.5-020913	Composite	Soil	3900501

1 COPY TO Delta Environmental Attn: Mike Berrington

Lancaster Laboratories
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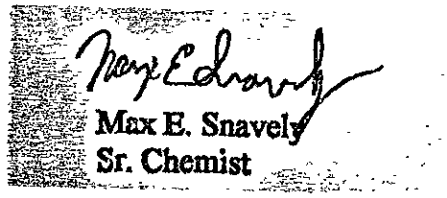
Questions? Contact your Client Services Representative
Teresa M Lis at (717) 656-2300.

Respectfully Submitted,



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Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

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Lancaster Laboratories Sample No. SW 3900484

Collected:09/13/2002 12:15 by BB

Account Number: 10900

Submitted: 09/17/2002 09:10
Reported: 09/25/2002 at 20:29
Discard: 10/26/2002
HA-4-S-2.5-020913 Grab Soil
Facility# 94587 DECR
609 Oak Street-Oakland T0600100351 HA-4

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils	n.a.	36.	4.0	mg/kg	100

The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.
The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.

A poor surrogate recovery was observed due to the dilution needed to perform the analysis.

02160	BTEX/MTBE					
02174	Benzene	71-43-2	N.D.	0.0050	mg/kg	25
02177	Toluene	108-88-3	N.D.	0.0050	mg/kg	25
02178	Ethylbenzene	100-41-4	N.D.	0.0050	mg/kg	25
02182	Total Xylenes	1330-20-7	0.056	0.015	mg/kg	25
02199	MTBE	1634-04-4	N.D.	0.050	mg/kg	25

The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	09/19/2002 05:54	Deborah S Garrison	100
02160	BTEX/MTBE	SW-846 8021B	1	09/19/2002 15:43	Deborah S Garrison	25
01150	GC VOA Soil Prep	SW-846 5035	1	09/18/2002 10:47	Steven A Skiles	n.a.

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Lancaster Laboratories Sample No. SW 3900485

Collected:09/13/2002 12:25 by BB

Account Number: 10900

Submitted: 09/17/2002 09:10
Reported: 09/25/2002 at 20:29
Discard: 10/26/2002
HA-4-S-5.0-020913 Grab Soil
Facility# 94587 DECR
609 Oak Street-Oakland T0600100351 HA-4

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils	n.a.	1,700.	100.	mg/kg	2500
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.					
	A poor surrogate recovery was observed due to the dilution needed to perform the analysis.					
02160	BTEX/MTBE					
02174	Benzene	71-43-2	2.1	0.50	mg/kg	2500
02177	Toluene	108-88-3	92.	0.50	mg/kg	2500
02178	Ethylbenzene	100-41-4	50.	0.50	mg/kg	2500
02182	Total Xylenes	1330-20-7	310.	1.5	mg/kg	2500
02199	MTBE	1634-04-4	N.D.	1.0	mg/kg	500
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	09/19/2002 21:58	Deborah S Garrison	2500
02160	BTEX/MTBE	SW-846 8021B	1	09/19/2002 12:09	Deborah S Garrison	500
02160	BTEX/MTBE	SW-846 8021B	1	09/19/2002 21:58	Deborah S Garrison	2500
01150	GC VOA Soil Prep	SW-846 5035	1	09/18/2002 10:48	Steven A Skiles	n.a.

Analysis Report

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Lancaster Laboratories Sample No. SW 3900486

Collected:09/13/2002 12:40 by BB

Account Number: 10900

Submitted: 09/17/2002 09:10
Reported: 09/25/2002 at 20:29
Discard: 10/26/2002
HA-4-S-7.5-020913 Grab Soil
Facility# 94587 DECR
609 Oak Street-Oakland T0600100351 HA-4

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils	n.a.	2,700.	200.	mg/kg	5000

The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.
The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.

A poor surrogate recovery was observed due to the dilution needed to perform the analysis.

02160	BTEX/MTBE					
02174	Benzene	71-43-2	1.9	0.20	mg/kg	1000
02177	Toluene	108-88-3	100.	1.0	mg/kg	5000
02178	Ethylbenzene	100-41-4	76.	1.0	mg/kg	5000
02182	Total Xylenes	1330-20-7	550.	3.0	mg/kg	5000
02199	MTBE	1634-04-4	N.D.	2.0	mg/kg	1000

The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.

A poor surrogate recovery was observed due to the dilution needed to perform the analysis.

Due to the nature of the sample matrix, normal reporting limits were not attained.

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	09/19/2002 23:50	Deborah S Garrison	5000
02160	BTEX/MTBE	SW-846 8021B	1	09/19/2002 23:50	Deborah S Garrison	1000
02160	BTEX/MTBE	SW-846 8021B	1	09/19/2002 23:50	Deborah S Garrison	5000
01150	GC VOA Soil Prep	SW-846 5035	1	09/18/2002 10:49	Steven A Skiles	n.a.

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Lancaster Laboratories Sample No. SW 3900487

Collected:09/13/2002 12:50 by BB

Account Number: 10900

Submitted: 09/17/2002 09:10
Reported: 09/25/2002 at 20:29
Discard: 10/26/2002
HA-5-S-2.5-020913 Grab Soil
Facility# 94587 DECR
609 Oak Street-Oakland T0600100351 HA-5

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.					
02160	BTEX/MTBE					
02174	Benzene	71-43-2	N.D.	0.0050	mg/kg	25
02177	Toluene	108-88-3	0.022	0.0050	mg/kg	25
02178	Ethylbenzene	100-41-4	0.0087	0.0050	mg/kg	25
02182	Total Xylenes	1330-20-7	0.058	0.015	mg/kg	25
02199	MTBE	1634-04-4	N.D.	0.050	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	09/19/2002 00:16	Deborah S Garrison	25
02160	BTEX/MTBE	SW-846 8021B	1	09/19/2002 00:16	Deborah S Garrison	25
01150	GC VOA Soil Prep	SW-846 5035	1	09/18/2002 10:50	Steven A Skiles	n.a.

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Lancaster Laboratories Sample No. SW 3900488

Collected:09/13/2002 14:00 by BB

Account Number: 10900

Submitted: 09/17/2002 09:10
Reported: 09/25/2002 at 20:29
Discard: 10/26/2002

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HA-5-S-5.0-020913 Grab Soil
Facility# 94587 DECR
609 Oak Street-Oakland T0600100351 HA-5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.					
02160	BTEX/MTBE					
02174	Benzene	71-43-2	N.D.	0.0050	mg/kg	25
02177	Toluene	108-88-3	N.D.	0.0050	mg/kg	25
02178	Ethylbenzene	100-41-4	N.D.	0.0050	mg/kg	25
02182	Total Xylenes	1330-20-7	0.018	0.015	mg/kg	25
02199	MTBE	1634-04-4	N.D.	0.050	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.					

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Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	09/19/2002 00:53	Deborah S Garrison	25
02160	BTEX/MTBE	SW-846 8021B	1	09/19/2002 00:53	Deborah S Garrison	25
01150	GC VOA Soil Prep	SW-846 5035	1	09/18/2002 10:51	Steven A Skiles	n.a.

Analysis Report

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Lancaster Laboratories Sample No. SW 3900489

Collected:09/13/2002 14:15 by BB

Account Number: 10900

Submitted: 09/17/2002 09:10
Reported: 09/25/2002 at 20:30
Discard: 10/26/2002
HA-5-S-7.5-020913 Grab Soil
Facility# 94587 DECR
609 Oak Street-Oakland T0600100351 HA-5

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils	n.a.	15.	1.0	mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.					
02160	BTEX/MTBE					
02174	Benzene	71-43-2	0.0099	0.0050	mg/kg	25
02177	Toluene	108-88-3	0.061	0.0050	mg/kg	25
02178	Ethylbenzene	100-41-4	0.12	0.0050	mg/kg	25
02182	Total Xylenes	1330-20-7	0.94	0.015	mg/kg	25
02199	MTBE	1634-04-4	N.D.	0.050	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	09/19/2002 03:24	Deborah S Garrison	25
02160	BTEX/MTBE	SW-846 8021B	1	09/19/2002 03:24	Deborah S Garrison	25
01150	GC VOA Soil Prep	SW-846 5035	1	09/18/2002 10:52	Steven A Skiles	n.a.

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Analysis Report

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Lancaster Laboratories Sample No. SW 3900490

Collected:09/13/2002 11:00 by BB

Account Number: 10900

Submitted: 09/17/2002 09:10
Reported: 09/25/2002 at 20:30
Discard: 10/26/2002
HA-6-S-2.5-020913 Grab Soil
Facility# 94587 DECR
609 Oak Street-Oakland T0600100351 HA-6

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils	n.a.	24.	1.0	mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.					
02160	BTEX/MTBE					
02174	Benzene	71-43-2	0.0079	0.0050	mg/kg	25
02177	Toluene	108-88-3	0.092	0.0050	mg/kg	25
02178	Ethylbenzene	100-41-4	0.14	0.0050	mg/kg	25
02182	Total Xylenes	1330-20-7	1.5	0.015	mg/kg	25
02199	MTBE	1634-04-4	N.D.	0.050	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	09/19/2002 04:01	Deborah S Garrison	25
02160	BTEX/MTBE	SW-846 8021B	1	09/19/2002 04:01	Deborah S Garrison	25
01150	GC VOA Soil Prep	SW-846 5035	1	09/18/2002 10:53	Steven A Skiles	n.a.

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Lancaster Laboratories Sample No. SW 3900491

Collected:09/13/2002 11:10 by BB

Account Number: 10900

Submitted: 09/17/2002 09:10
Reported: 09/25/2002 at 20:30
Discard: 10/26/2002
HA-6-S-5.0-020913 Grab Soil
Facility# 94587 DECR
609 Oak Street-Oakland T0600100351 HA-6

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils	n.a.	130.	10.	mg/kg	250

The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.
The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.

A poor surrogate recovery was observed due to the dilution needed to perform the analysis.

02160	BTEX/MTBE					
02174	Benzene	71-43-2	0.23	0.050	mg/kg	250
02177	Toluene	108-88-3	3.5	0.050	mg/kg	250
02178	Ethylbenzene	100-41-4	2.7	0.050	mg/kg	250
02182	Total Xylenes	1330-20-7	20.	0.15	mg/kg	250
02199	MTBE	1634-04-4	N.D.	0.50	mg/kg	250

The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.

A poor surrogate recovery was observed due to the dilution needed to perform the analysis.

Due to the nature of the sample matrix, normal reporting limits were not attained.

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	09/19/2002 15:05	Deborah S Garrison	250
02160	BTEX/MTBE	SW-846 8021B	1	09/19/2002 15:05	Deborah S Garrison	250
01150	GC VOA Soil Prep	SW-846 5035	1	09/18/2002 10:54	Steven A Skiles	n.a.

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PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories
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Lancaster Laboratories Sample No. SW 3900492

Collected:09/13/2002 11:25 by BB

Account Number: 10900

Submitted: 09/17/2002 09:10
Reported: 09/25/2002 at 20:30
Discard: 10/26/2002

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HA-6-S-7.5-020913 Grab Soil
Facility# 94587 DECR
609 Oak Street-Oakland T0600100351 HA-6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils	n.a.	1,500.	100.	mg/kg	2500

The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.
The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.

A poor surrogate recovery was observed due to the dilution needed to perform the analysis.

02160	BTEX/MTBE					
02174	Benzene	71-43-2	5.9	0.50	mg/kg	2500
02177	Toluene	108-88-3	120.	0.50	mg/kg	2500
02178	Ethylbenzene	100-41-4	44.	0.50	mg/kg	2500
02182	Total Xylenes	1330-20-7	260.	1.5	mg/kg	2500
02199	MTBE	1634-04-4	N.D.	1.0	mg/kg	500

The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.

A poor surrogate recovery was observed due to the dilution needed to perform the analysis.

Due to the nature of the sample matrix, normal reporting limits were not attained.

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	09/19/2002 22:35	Deborah S Garrison	2500
02160	BTEX/MTBE	SW-846 8021B	1	09/19/2002 22:35	Deborah S Garrison	2500
02160	BTEX/MTBE	SW-846 8021B	1	09/19/2002 22:35	Deborah S Garrison	500
01150	GC VOA Soil Prep	SW-846 5035	1	09/18/2002 10:55	Steven A Skiles	n.a.

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Lancaster Laboratories Sample No. SW 3900493

Collected:09/13/2002 13:25 by BB

Account Number: 10900

Submitted: 09/17/2002 09:10
Reported: 09/25/2002 at 20:30
Discard: 10/26/2002
HA-7-S-2.5-020913 Grab Soil
Facility# 94587 DECR
609 Oak Street-Oakland T0600100351 HA-7

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.					
02160	BTEX/MTBE					
02174	Benzene	71-43-2	N.D.	0.0050	mg/kg	25
02177	Toluene	108-88-3	0.020	0.0050	mg/kg	25
02178	Ethylbenzene	100-41-4	N.D.	0.0050	mg/kg	25
02182	Total Xylenes	1330-20-7	0.027	0.015	mg/kg	25
02199	MTBE	1634-04-4	N.D.	0.050	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.					

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Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	09/19/2002 04:39	Deborah S Garrison	25
02160	BTEX/MTBE	SW-846 8021B	1	09/19/2002 04:39	Deborah S Garrison	25
01150	GC VOA Soil Prep	SW-846 5035	1	09/18/2002 10:56	Steven A Skiles	n.a.

Analysis Report

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Lancaster Laboratories Sample No. SW 3900494

Collected:09/13/2002 13:35 by BB

Account Number: 10900

Submitted: 09/17/2002 09:10
Reported: 09/25/2002 at 20:30
Discard: 10/26/2002
HA-7-S-5.0-020913 Grab Soil
Facility# 94587 DECR
609 Oak Street-Oakland T0600100351 HA-7

ChevronTexaco
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San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.					
02160	BTEX/MTBE					
02174	Benzene	71-43-2	N.D.	0.0050	mg/kg	25
02177	Toluene	108-88-3	N.D.	0.0050	mg/kg	25
02178	Ethylbenzene	100-41-4	N.D.	0.0050	mg/kg	25
02182	Total Xylenes	1330-20-7	N.D.	0.015	mg/kg	25
02199	MTBE	1634-04-4	N.D.	0.050	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	09/19/2002 05:16	Deborah S Garrison	25
02160	BTEX/MTBE	SW-846 8021B	1	09/19/2002 05:16	Deborah S Garrison	25
01150	GC VOA Soil Prep	SW-846 5035	1	09/18/2002 10:57	Steven A Skiles	n.a.

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Analysis Report

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Lancaster Laboratories Sample No. SW 3900495

Collected:09/13/2002 15:00 by BB

Account Number: 10900

Submitted: 09/17/2002 09:10
Reported: 09/25/2002 at 20:30
Discard: 10/26/2002

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HA-7-S-7.5-020913 Grab Soil
Facility# 94587 DECR
609 Oak Street-Oakland T0600100351 HA-7

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils	n.a.	400.	20.	mg/kg	500

The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.
The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.

A poor surrogate recovery was observed due to the dilution needed to perform the analysis.

02160	BTEX/MTBE					
02174	Benzene	71-43-2	0.061	0.020	mg/kg	100
02177	Toluene	108-88-3	0.41	0.020	mg/kg	100
02178	Ethylbenzene	100-41-4	2.0	0.020	mg/kg	100
02182	Total Xylenes	1330-20-7	25.	0.30	mg/kg	500
02199	MTBE	1634-04-4	N.D.	0.20	mg/kg	100

The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.

A poor surrogate recovery was observed due to the dilution needed to perform the analysis.

Due to the nature of the sample matrix, normal reporting limits were not attained.

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Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	09/19/2002 16:21	Deborah S Garrison	500
02160	BTEX/MTBE	SW-846 8021B	1	09/19/2002 06:31	Deborah S Garrison	100
02160	BTEX/MTBE	SW-846 8021B	1	09/19/2002 16:21	Deborah S Garrison	500
01150	GC VOA Soil Prep	SW-846 5035	1	09/18/2002 10:58	Steven A Skiles	n.a.

Analysis Report

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Lancaster Laboratories Sample No. SW 3900496

Collected:09/13/2002 09:45 by BB

Account Number: 10900

Submitted: 09/17/2002 09:10
Reported: 09/25/2002 at 20:30
Discard: 10/26/2002
HA-8-S-2.5-020913 Grab Soil
Facility# 94587 DECR
609 Oak Street-Oakland T0600100351 HA-8

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CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils	n.a.	3.3	1.0	mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.					
02160	BTEX/MTBE					
02174	Benzene	71-43-2	N.D.	0.0050	mg/kg	25
02177	Toluene	108-88-3	N.D.	0.0050	mg/kg	25
02178	Ethylbenzene	100-41-4	N.D.	0.0050	mg/kg	25
02182	Total Xylenes	1330-20-7	0.028	0.015	mg/kg	25
02199	MTBE	1634-04-4	N.D.	0.050	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.					

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Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	09/19/2002 23:13	Deborah S Garrison	25
02160	BTEX/MTBE	SW-846 8021B	1	09/19/2002 23:13	Deborah S Garrison	25
01150	GC VOA Soil Prep	SW-846 5035	1	09/18/2002 10:59	Steven A Skiles	n.a.

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Lancaster Laboratories Sample No. SW 3900497

Collected:09/13/2002 10:00 by BB

Account Number: 10900

Submitted: 09/17/2002 09:10
Reported: 09/25/2002 at 20:30
Discard: 10/26/2002
HA-8-S-5.0-020913 Grab Soil
Facility# 94587 DECR
609 Oak Street-Oakland T0600100351 HA-8

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San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils	n.a.	260.	20.	mg/kg	500

The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.
The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.

A poor surrogate recovery was observed due to the dilution needed to perform the analysis.

02160	BTEX/MTBE					
02174	Benzene	71-43-2	0.088	0.020	mg/kg	100
02177	Toluene	108-88-3	3.7	0.020	mg/kg	100
02178	Ethylbenzene	100-41-4	4.0	0.020	mg/kg	100
02182	Total Xylenes	1330-20-7	38.	0.30	mg/kg	500
02199	MTBE	1634-04-4	N.D.	0.20	mg/kg	100

The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.

A poor surrogate recovery was observed due to the dilution needed to perform the analysis.

Due to the nature of the sample matrix, normal reporting limits were not attained.

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Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	09/19/2002 16:58	Deborah S Garrison	500
02160	BTEX/MTBE	SW-846 8021B	1	09/19/2002 07:09	Deborah S Garrison	100
02160	BTEX/MTBE	SW-846 8021B	1	09/19/2002 16:58	Deborah S Garrison	500
01150	GC VOA Soil Prep	SW-846 5035	1	09/18/2002 11:00	Steven A Skiles	n.a.

Analysis Report

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Lancaster Laboratories Sample No. SW 3900498

Collected:09/13/2002 10:30 by BB

Account Number: 10900

Submitted: 09/17/2002 09:10
Reported: 09/25/2002 at 20:30
Discard: 10/26/2002
HA-8-S-8.5-020913 Grab Soil
Facility# 94587 DECR
609 Oak Street-Oakland T0600100351 HA-8

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San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils	n.a.	540.	40.	mg/kg	1000

The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.
The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.

A poor surrogate recovery was observed due to the dilution needed to perform the analysis.

02160	BTEX/MTBE					
02174	Benzene	71-43-2	0.15	0.050	mg/kg	250
02177	Toluene	108-88-3	6.2	0.20	mg/kg	1000
02178	Ethylbenzene	100-41-4	5.6	0.20	mg/kg	1000
02182	Total Xylenes	1330-20-7	57.	0.60	mg/kg	1000
02199	MTBE	1634-04-4	N.D.	0.50	mg/kg	250

The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.

A poor surrogate recovery was observed due to the dilution needed to perform the analysis.

Due to the nature of the sample matrix, normal reporting limits were not attained.

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Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	09/19/2002 21:20	Deborah S Garrison	1000
02160	BTEX/MTBE	SW-846 8021B	1	09/19/2002 11:31	Deborah S Garrison	250
02160	BTEX/MTBE	SW-846 8021B	1	09/19/2002 21:20	Deborah S Garrison	1000
01150	GC VOA Soil Prep	SW-846 5035	1	09/18/2002 11:01	Steven A Skiles	n.a.

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Analysis Report

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Lancaster Laboratories Sample No. SW 3900499

Collected:09/13/2002 09:45 by BB
through 09/13/2002 13:25
Submitted: 09/17/2002 09:10
Reported: 09/25/2002 at 20:30
Discard: 10/26/2002
HA-(4-8)-S-2.5-020913 Composite Soil
Facility# 94587 DECR
609 Oak Street-Oakland T0600100351 HA-(4-8)

Account Number: 10900

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CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01155	Lead (furnace method)	7439-92-1	10.2	0.53	mg/kg	5
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils	n.a.	5.7	1.0	mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.					
02160	BTEX/MTBE					
02174	Benzene	71-43-2	N.D.	0.0050	mg/kg	25
02177	Toluene	108-88-3	N.D.	0.0050	mg/kg	25
02178	Ethylbenzene	100-41-4	N.D.	0.0050	mg/kg	25
02182	Total Xylenes	1330-20-7	0.051	0.015	mg/kg	25
02199	MTBE	1634-04-4	N.D.	0.050	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.					

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Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01155	Lead (furnace method)	SW-846 7421	1	09/20/2002 12:02	Jessica L Boyd	5
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	09/19/2002 17:35	Deborah S Garrison	25
02160	BTEX/MTBE	SW-846 8021B	1	09/19/2002 17:35	Deborah S Garrison	25
01150	GC VOA Soil Prep	SW-846 5035	1	09/18/2002 11:02	Steven A Skiles	n.a.
05710	SW SW846 GFAA Digest	SW-846 3050B	1	09/19/2002 20:45	Annamaria Stipkovits	1

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Lancaster, PA 17605-2425
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Lancaster Laboratories Sample No. SW 3900500

Collected:09/13/2002 10:00 by BB
through 09/13/2002 14:00
Submitted: 09/17/2002 09:10
Reported: 09/25/2002 at 20:30
Discard: 10/26/2002
HA-(4-8)-S-5.0-020913 Composite Soil
Facility# 94587 DECR
609 Oak Street-Oakland T0600100351 HA-(-8)

Account Number: 10900

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01155	Lead (furnace method)	7439-92-1	13.7	0.54	mg/kg	5
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils	n.a.	340.	20.	mg/kg	500

The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.
The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.

A poor surrogate recovery was observed due to the dilution needed to perform the analysis.

02160	BTEX/MTBE					
02174	Benzene	71-43-2	0.25	0.10	mg/kg	500
02177	Toluene	108-88-3	11.	0.10	mg/kg	500
02178	Ethylbenzene	100-41-4	8.4	0.10	mg/kg	500
02182	Total Xylenes	1330-20-7	57.	0.30	mg/kg	500
02199	MTBE	1634-04-4	N.D.	1.0	mg/kg	500

The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.

A poor surrogate recovery was observed due to the dilution needed to perform the analysis.

Due to the nature of the sample matrix, normal reporting limits were not attained.

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01155	Lead (furnace method)	SW-846 7421	1	09/20/2002 12:23	Jessica L Boyd	5
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	09/19/2002 20:05	Deborah S Garrison	500
02160	BTEX/MTBE	SW-846 8021B	1	09/19/2002 20:05	Deborah S Garrison	500
01150	GC VOA Soil Prep	SW-846 5035	1	09/18/2002 11:03	Steven A Skiles	n.a.

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Lancaster Laboratories Sample No. SW 3900500

Collected:09/13/2002 10:00 by BB
through 09/13/2002 14:00
Submitted: 09/17/2002 09:10
Reported: 09/25/2002 at 20:30
Discard: 10/26/2002
HA-(4-8)-S-5.0-020913 Composite Soil
Facility# 94587 DECR
609 Oak Street-Oakland T0600100351 HA-(-8)

Account Number: 10900

ChevronTexaco
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05710	SW SW846 GFAA Digest	SW-846 3050B	1	09/19/2002 20:45	Annamaria Stipkovits	1

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Lancaster Laboratories Sample No. SW 3900501

Collected:09/13/2002 10:30 by BB
through 09/13/2002 15:00
Submitted: 09/17/2002 09:10
Reported: 09/25/2002 at 20:30
Discard: 10/26/2002
HA-4-8-S-7.5,8.5-020913 Composite Soil
Facility# 94587 DECR
609 Oak Street-Oakland T0600100351 HA-4-8

Account Number: 10900

ChevronTexaco
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San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01155	Lead (furnace method)	7439-92-1	34.1	1.1	mg/kg	10
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils	n.a.	1,300.	100.	mg/kg	2500

The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.
The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.

A poor surrogate recovery was observed due to the dilution needed to perform the analysis.

02160	BTEX/MTBE					
02174	Benzene	71-43-2	1.8	0.50	mg/kg	2500
02177	Toluene	108-88-3	57.	0.50	mg/kg	2500
02178	Ethylbenzene	100-41-4	31.	0.50	mg/kg	2500
02182	Total Xylenes	1330-20-7	220.	1.5	mg/kg	2500
02199	MTBE	1634-04-4	N.D.	5.0	mg/kg	2500

The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.

A poor surrogate recovery was observed due to the dilution needed to perform the analysis.

Due to the nature of the sample matrix, normal reporting limits were not attained.

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01155	Lead (furnace method)	SW-846 7421	1	09/20/2002 11:20	Jessica L Boyd	10
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	09/19/2002 20:43	Deborah S Garrison	2500
02160	BTEX/MTBE	SW-846 8021B	1	09/19/2002 20:43	Deborah S Garrison	2500
01150	GC VOA Soil Prep	SW-846 5035	1	09/18/2002 11:04	Steven A Skiles	n.a.

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Lancaster Laboratories Sample No. SW 3900501

Collected:09/13/2002 10:30 by BB
through 09/13/2002 15:00
Submitted: 09/17/2002 09:10
Reported: 09/25/2002 at 20:30
Discard: 10/26/2002
HA-4-8-S-7.5,8.5-020913 Composite Soil
Facility# 94587 DECR
609 Oak Street-Oakland T0600100351 HA-4-8

Account Number: 10900

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

05710	SW SW846 GFAA Digest	SW-846 3050B	1	09/19/2002 20:45	Annamaria Stipkovits	1

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PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

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Quality Control Summary

Client Name: ChevronTexaco Group Number: 823165
Reported: 09/25/02 at 08:31 PM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 02261A31A	Sample number(s): 3900487-3900488							
TPH-GRO - Soils	N.D.	1.	mg/kg	92		69-112		
Benzene	N.D.	.005	mg/kg	101		93-123		
Toluene	N.D.	.005	mg/kg	101		93-122		
Ethylbenzene	N.D.	.005	mg/kg	101		87-127		
Total Xylenes	N.D.	.015	mg/kg	101		88-120		
MTBE	N.D.	.05	mg/kg	102		80-132		
Batch number: 02261A31B	Sample number(s): 3900484,3900489-3900490,3900493-3900495,3900497							
TPH-GRO - Soils	N.D.	1.	mg/kg	92		69-112		
Benzene	N.D.	.005	mg/kg	101		93-123		
Toluene	N.D.	.005	mg/kg	101		93-122		
Ethylbenzene	N.D.	.005	mg/kg	101		87-127		
Total Xylenes	N.D.	.015	mg/kg	101		88-120		
MTBE	N.D.	.05	mg/kg	102		80-132		
Batch number: 02261A31C	Sample number(s): 3900484-3900485,3900491,3900495,3900497-3900499							
TPH-GRO - Soils	N.D.	1.	mg/kg	92		69-112		
Benzene	N.D.	.005	mg/kg	101		93-123		
Toluene	N.D.	.005	mg/kg	101		93-122		
Ethylbenzene	N.D.	.005	mg/kg	101		87-127		
Total Xylenes	N.D.	.015	mg/kg	101		88-120		
MTBE	N.D.	.05	mg/kg	102		80-132		
Batch number: 02261A31D	Sample number(s): 3900485-3900486,3900492,3900496,3900498,3900500-3900501							
TPH-GRO - Soils	N.D.	1.	mg/kg	92		69-112		
Benzene	N.D.	.005	mg/kg	101		93-123		
Toluene	N.D.	.005	mg/kg	101		93-122		
Ethylbenzene	N.D.	.005	mg/kg	101		87-127		
Total Xylenes	N.D.	.015	mg/kg	101		88-120		
MTBE	N.D.	.05	mg/kg	102		80-132		
Batch number: 022625710001	Sample number(s): 3900499-3900501							
Lead (furnace method)	N.D.	.11	mg/kg	101		74-126		

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 02261A31A	Sample number(s): 3900487-3900488								
TPH-GRO - Soils	86	86	42-105	1	30				
Benzene	121	124	62-153	2	30				
Toluene	93	95	66-111	2	30				
Ethylbenzene	106	106	66-131	0	30				
Total Xylenes	99	98	62-120	1	30				
MTBE	102	103	43-186	2	30				
Batch number: 02261A31B	Sample number(s): 3900484,3900489-3900490,3900493-3900495,3900497								
TPH-GRO - Soils	86	86	42-105	1	30				
Benzene	121	124	62-153	2	30				
Toluene	93	95	66-111	2	30				

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

MEMBER ACIL
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2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

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Quality Control Summary

Client Name: ChevronTexaco
Reported: 09/25/02 at 08:31 PM

Group Number: 823165

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Ethylbenzene	106	106	66-131	0	30				
Total Xylenes	99	98	62-120	1	30				
MTBE	102	103	43-186	2	30				
Batch number: 02261A31C	Sample number(s): 3900484-3900485,3900491,3900495,3900497-3900499								
TPH-GRO - Soils	86	86	42-105	1	30				
Benzene	121	124	62-153	2	30				
Toluene	93	95	66-111	2	30				
Ethylbenzene	106	106	66-131	0	30				
Total Xylenes	99	98	62-120	1	30				
MTBE	102	103	43-186	2	30				
Batch number: 02261A31D	Sample number(s): 3900485-3900486,3900492,3900496,3900498,3900500-3900501								
TPH-GRO - Soils	86	86	42-105	1	30				
Benzene	121	124	62-153	2	30				
Toluene	93	95	66-111	2	30				
Ethylbenzene	106	106	66-131	0	30				
Total Xylenes	99	98	62-120	1	30				
MTBE	102	103	43-186	2	30				
Batch number: 022625710001	Sample number(s): 3900499-3900501								
Lead (furnace method)	(2)	(2)	80-120	1	20	34.1	353.	165* (1)	20

Surrogate Quality Control

Analysis Name: BTEX/MTBE
Batch number: 02261A31A

	Trifluorotoluene-F	Trifluorotoluene-P
3900487	105	108
3900488	101	105
Blank	97	101
LCS	112	104
MS	101	97
MSD	103	99
Limits:	58-118	68-122

Analysis Name: BTEX/MTBE
Batch number: 02261A31B

	Trifluorotoluene-F	Trifluorotoluene-P
3900484	28*	
3900489	97	102
3900490	100	102
3900493	100	106
3900494	100	101
3900495		24*
3900497		25*
Blank	101	103
LCS	112	104

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

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717-656-2300 Fax: 717-656-2681

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Quality Control Summary

Client Name: ChevronTexaco Group Number: 823165
Reported: 09/25/02 at 08:31 PM

Surrogate Quality Control

MS	101	97
MSD	103	99
Limits:	58-118	68-122

Analysis Name: BTEX/MTBE
Batch number: 02261A31C

	Trifluorotoluene-F	Trifluorotoluene-P
3900484		95
3900485		9*
3900491	15*	12*
3900495	9*	
3900497	10*	
3900498		12*
3900499	91	92
Blank	96	100
LCS	112	104
MS	101	97
MSD	103	99
Limits:	58-118	68-122

Analysis Name: BTEX/MTBE
Batch number: 02261A31D

	Trifluorotoluene-F	Trifluorotoluene-P
3900485	6*	2*
3900486	4*	1*
3900492	7*	2*
3900496	89	88
3900498	4*	
3900500	10*	6*
3900501	5*	1*
Blank	99	101
LCS	112	104
MS	101	97
MSD	103	99
Limits:	58-118	68-122

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

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Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

Acct. #: ~~10905~~ 10900 JH 9/17/02
For Lancaster Laboratories use only
Sample #: 3900484-501
SCR#:
Group#823166
p. 1 of 2

Facility #: Chevron Service Station No. 9-4587
Site Address: 609 Oak Street, Oakland, California
Chevron PM: Karen Streich
Lead Consultant: Delta Environmental Consultants, Inc.
Consultant/Office: 3164 Gold Camp Drive Suite 200, Rancho Cordova, CA
Consultant Prj. Mgr.: Mike Berrington
Consultant Phone #: (916) 536-2616
Fax #: (916) 638-8385
Sampler: Brett Bardsley
Service Order #:
☐ Non SAR:

Analyses Requested (3)

Preservation Codes

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX +MTBE 8260 ☐ 8021 ☑	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	___ Oxygenates	Lead 7420 ☐ 7421 ☐					
HA-4-2.5	Soil			02 09 13	1215					X	X									
HA-4-5.0	Soil			02 09 13	1225					X	X									
HA-4-7.5	Soil			02 09 13	1240					X	X									
HA-5-2.5	Soil			02 09 13	1250					X	X									
HA-5-5.0	Soil			02 09 13	1400					X	X									
HA-5-7.5	Soil			02 09 13	1415					X	X									
HA-6-2.5	Soil			02 09 13	1100					X	X									
HA-6-5.0	Soil			02 09 13	1110					X	X									
HA-6-7.5	Soil			02 09 13	1125					X	X									
HA-7-2.5	Soil			02 09 13	1325					X	X									
HA-7-5.0	Soil			02 09 13	1335					X	X									
HA-7-7.5	Soil			02 09 13	1500					X	X									
HA-8-2.5	Soil			02 09 13	0945					X	X									

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy's on highest hit
☐ Run ____ oxy's on all hits

Comments / Remarks
Please composite discrete samples. They will be analyzed for BTEX using EPA Method 8021, TPH-GRO using EPA Method 8015, and Total lead by EPA Method 7241.

Turnaround Time Requested (TAT) (please circle)
(STD. TAT) circled 72 hour 48 hour
24 hour 4 day 5 day

Data Package Options (please circle if required)
QC Summary Type I – Full
Type VI (Raw Data) ☐ Coelt Deliverable not needed
WIP (RWQCB)
Disk

Relinquished by:	Date	Time	Received by:	Date	Time
Brett Bardsley	9/16/02	0800			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by Commercial Carrier: UPS (FedEx) Other ______			Received by: Kathy Binkley	9/17	0910
Temperature Upon Receipt 4.5 C°			Custody Seals Intact? Yes No (N/A)		

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 656-2300
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

3460 Rev. 10/04/01

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

Acct. #: 10900 10905 [crossed out]
For Lancaster Laboratories use only
Sample #: 3900484-501 SCR#:
Group # 823165 p.2 of 2

Facility #: Chevron Service Station No. 9-4587
Site Address: 609 Oak Street, Oakland, California
Chevron PM: Karen Streich Lead Consultant: Delta Environmental Consultants, Inc.
Consultant/Office: 3164 Gold Camp Drive suite 200, Rancho Cordova, CA
Consultant Prj. Mgr.: Mike Berrington
Consultant Phone #: (916) 536-2616 Fax #: (916) 638-8385
Sampler: Brett Bardsley
Service Order #: ☐ Non SAR:

Analyses Requested (3)

Preservation Codes

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + MTBE 8260 ☐ 8021 ☑	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	___ Oxygenates	Lead 7420 ☐ 7421 ☐	Hold
HA-8-5.0	Soil			02 09 13	1000					X	X					
HA-8-7.5	Soil			02 09 13	1015											X
HA-8-8.5	Soil			02 09 13	1030					X	X					

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ___ oxy's on highest hit
☐ Run ___ oxy's on all hits

Comments / Remarks
Please composite discrete samples. They will be analyzed for BTEX using EPA Method 8021, TPH-GRO using EPA Method 8015, and Total lead by EPA Method 7241.

Turnaround Time Requested (TAT) (please circle)
(STD. TAT) 72 hour 48 hour
24 hour 4 day 5 day

Data Package Options (please circle if required)
QC Summary Type I – Full
Type VI (Raw Data) ☐ Coelt Deliverable not needed
WIP (RWQCB)
Disk

Relinquished by:	Date	Time	Received by:	Date	Time
Brett Bardsley	9/16/02	0800			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by Commercial Carrier: UPS (FedEx) Other ___			Received by: Kathy Binkley	9-17-02	0910
Temperature Upon Receipt 4.5° C°			Custody Seals Intact? Yes No (NA)		

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 656-2300
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

3460 Rev. 10/04/01

ENCLOSURE E

Overexcavation Soil Sample Laboratory Analytical Report

Sequoia Analytical

885 Jarvis Dr
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

30 January, 2003

Mike Berrington
Delta Environmental (Chev)
3164 Gold Camp Drive, Suite 200
Rancho Cordova, CA 95670

RE: 9-4587,Oakland, CA
Sequoia Work Order: MMA0672

Enclosed are the results of analyses for samples received by the laboratory on 01/29/03 13:25. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

James Hartley
Project Manager

CA ELAP Certificate #1210

Sequoia Analytical

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Delta Environmental (Chev)	Project: 9-4587,Oakland, CA	MMA0672
3164 Gold Camp Drive, Suite 200	Project Number: 9-4587	**Reported:**
Rancho Cordova CA, 95670	Project Manager: Mike Berrington	01/30/03 09:12

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
OE-1-8.5	MMA0672-01	Soil	01/29/03 10:10	01/29/03 13:25
OE-2-8.5	MMA0672-02	Soil	01/29/03 10:15	01/29/03 13:25
OE-3-8.5	MMA0672-03	Soil	01/29/03 10:20	01/29/03 13:25
OE-4-8.5	MMA0672-04	Soil	01/29/03 10:25	01/29/03 13:25

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Delta Environmental (Chev)	Project: 9-4587,Oakland, CA	MMA0672
3164 Gold Camp Drive, Suite 200	Project Number: 9-4587	**Reported:**
Rancho Cordova CA, 95670	Project Manager: Mike Berrington	01/30/03 09:12

Total Purgeable Hydrocarbons (C6-C10) and Volatile Organic Compounds by EPA method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OE-1-8.5 (MMA0672-01) Soil Sampled: 01/29/03 10:10 Received: 01/29/03 13:25									
Methyl tert-butyl ether	ND	0.025	mg/kg	1	3A29038	01/29/03	01/29/03	EPA 8260B	
Benzene	ND	0.050	"	"	"	"	"	"	
Toluene	ND	0.050	"	"	"	"	"	"	
Ethylbenzene	ND	0.050	"	"	"	"	"	"	
Xylenes (total)	ND	0.050	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	ND	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*95.4 %*	*60-140*		"	"	"	"	
OE-2-8.5 (MMA0672-02) Soil Sampled: 01/29/03 10:15 Received: 01/29/03 13:25									
Methyl tert-butyl ether	ND	0.025	mg/kg	1	3A29038	01/29/03	01/29/03	EPA 8260B	
Benzene	ND	0.050	"	"	"	"	"	"	
Toluene	ND	0.050	"	"	"	"	"	"	
Ethylbenzene	ND	0.050	"	"	"	"	"	"	
Xylenes (total)	ND	0.050	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	ND	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*95.2 %*	*60-140*		"	"	"	"	
OE-3-8.5 (MMA0672-03) Soil Sampled: 01/29/03 10:20 Received: 01/29/03 13:25									
Methyl tert-butyl ether	**0.042**	0.025	mg/kg	1	3A29038	01/29/03	01/29/03	EPA 8260B	
Benzene	**0.31**	0.050	"	"	"	"	"	"	
Toluene	ND	0.050	"	"	"	"	"	"	
Ethylbenzene	**0.29**	0.050	"	"	"	"	"	"	
Xylenes (total)	**1.4**	0.050	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	**8.5**	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*92.0 %*	*60-140*		"	"	"	"	

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FAX (408) 782-6308
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Delta Environmental (Chev)	Project: 9-4587,Oakland, CA	MMA0672
3164 Gold Camp Drive, Suite 200	Project Number: 9-4587	**Reported:**
Rancho Cordova CA, 95670	Project Manager: Mike Berrington	01/30/03 09:12

Total Purgeable Hydrocarbons (C6-C10) and Volatile Organic Compounds by EPA method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OE-4-8.5 (MMA0672-04) Soil Sampled: 01/29/03 10:25 Received: 01/29/03 13:25									
Methyl tert-butyl ether	ND	0.025	mg/kg	1	3A29038	01/29/03	01/29/03	EPA 8260B	
Benzene	ND	0.050	"	"	"	"	"	"	
Toluene	ND	0.050	"	"	"	"	"	"	
Ethylbenzene	ND	0.050	"	"	"	"	"	"	
Xylenes (total)	ND	0.050	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	ND	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*93.8 %*	*60-140*		"	"	"	"	

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Delta Environmental (Chev)	Project: 9-4587,Oakland, CA	MMA0672
3164 Gold Camp Drive, Suite 200	Project Number: 9-4587	**Reported:**
Rancho Cordova CA, 95670	Project Manager: Mike Berrington	01/30/03 09:12

al Purgeable Hydrocarbons (C6-C10) and Volatile Organic Compounds by EPA method 8260B - Quality Con

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3A29038 - EPA 5030B P/T										
Blank (3A29038-BLK1)				Prepared & Analyzed: 01/29/03						
Methyl tert-butyl ether	ND	0.025	mg/kg							
Benzene	ND	0.050	"							
Toluene	ND	0.050	"							
Ethylbenzene	ND	0.050	"							
Xylenes (total)	ND	0.050	"							
Gasoline Range Organics (C6-C10)	ND	5.0	"							
Surrogate: 1,2-Dichloroethane-d4	*0.00472*		"	*0.00500*		*94.4*	*60-140*			
Laboratory Control Sample (3A29038-BS1)				Prepared & Analyzed: 01/29/03						
Methyl tert-butyl ether	0.793	0.025	mg/kg	1.00		79.3	70-130			
Benzene	1.04	0.050	"	1.25		83.2	70-130			
Toluene	1.03	0.050	"	1.25		82.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.00485*		"	*0.00500*		*97.0*	*60-140*			
Laboratory Control Sample (3A29038-BS2)				Prepared & Analyzed: 01/29/03						
Gasoline Range Organics (C6-C10)	7.78	5.0	mg/kg	7.50		104	60-140			
Surrogate: 1,2-Dichloroethane-d4	*0.00485*		"	*0.00500*		*97.0*	*60-140*			
Laboratory Control Sample Dup (3A29038-BSD1)				Prepared & Analyzed: 01/29/03						
Methyl tert-butyl ether	0.781	0.025	mg/kg	1.00		78.1	70-130	1.52	25	
Benzene	1.00	0.050	"	1.25		80.0	70-130	3.92	25	
Toluene	0.966	0.050	"	1.25		77.3	70-130	6.41	25	
Surrogate: 1,2-Dichloroethane-d4	*0.00475*		"	*0.00500*		*95.0*	*60-140*			
Laboratory Control Sample Dup (3A29038-BSD2)				Prepared & Analyzed: 01/29/03						
Gasoline Range Organics (C6-C10)	7.67	5.0	mg/kg	7.50		102	60-140	1.42	25	
Surrogate: 1,2-Dichloroethane-d4	*0.00482*		"	*0.00500*		*96.4*	*60-140*			

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Delta Environmental (Chev)	Project: 9-4587,Oakland, CA	MMA0672
3164 Gold Camp Drive, Suite 200	Project Number: 9-4587	**Reported:**
Rancho Cordova CA, 95670	Project Manager: Mike Berrington	01/30/03 09:12

al Purgeable Hydrocarbons (C6-C10) and Volatile Organic Compounds by EPA method 8260B - Quality Con

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3A29038 - EPA 5030B P/T										
Matrix Spike (3A29038-MS1)		**Source: MMA0672-02**		Prepared & Analyzed: 01/29/03						
Gasoline Range Organics (C6-C10)	6.93	5.0	mg/kg	7.50	ND	75.1	60-140			
Surrogate: 1,2-Dichloroethane-d4	*0.00491*		"	*0.00500*		*98.2*	*60-140*			
Matrix Spike Dup (3A29038-MSD1)		**Source: MMA0672-02**		Prepared & Analyzed: 01/29/03						
Gasoline Range Organics (C6-C10)	7.05	5.0	mg/kg	7.50	ND	76.7	60-140	1.72	25	
Surrogate: 1,2-Dichloroethane-d4	*0.00497*		"	*0.00500*		*99.4*	*60-140*			

Sequoia Analytical

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Delta Environmental (Chev)	Project: 9-4587,Oakland, CA	MMA0672
3164 Gold Camp Drive, Suite 200	Project Number: 9-4587	**Reported:**
Rancho Cordova CA, 95670	Project Manager: Mike Berrington	01/30/03 09:12

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

Chevron Northwest Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

For Lancaster Laboratories use only
Acct. #: ________ Sample #: ________ SCR#: ________

MHA0472

Facility #: 9-4587
Site Address: 609 Oak St, Oakland, CA
Chevron PM: K. Streich Lead Consultant: Delta Env.
Consultant/Office: Delta Env. - Sacramento
Consultant Prj. Mgr.: Mike Berrington
Consultant Phone #: 916 536-2616 Fax #: 916 638-8385
Sampler: Mike Berrington
Service Order #: ________ ☐ Non SAR: ________

Analyses Requested / Preservation Codes

Sample Identification		Date Collected	Time Collected	Grab	Composite	Soil	Water (☐ Potable ☐ NPDES)	Oil ☐ Air ☐	Total Number of Containers	BTEX + MTBE 8021 ☐ 8260 ☒ Naphth ☐	8260 full scan	Oxygenates	TPH G #260	TPH D ☐ Extended Rng. ☐ Silica Gel Cleanup	Lead Total ☐ Diss. ☐ Method	VPH/EPH	NWTPH HCID ☐ quantification	Hold for total lead	
OE-1-8.5	01	1/29/03	1010	X		X			1	X			X					X	
OE-2-8.5	02	↓	1015	X		X			↓	X			X					X	
OE-3-8.5	03	↓	1020	X		X			↓	X			X					X	
OE-4-8.5	04	↓	1025	X		X			↓	X			X					X	

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
☐ Confirm MTBE + Naphthalene
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy s on highest hit
☐ Run ____ oxy s on all hits

Comments / Remarks
Soil Samples from 1 installed around geoprobe HA-6

Turnaround Time Requested (TAT) (please circle)
STD. TAT [Same day per RK] 72 hour 48 hour
(24 hour circled) 4 day 5 day

Data Package Options (please circle if required)
QC Summary Type I - Full
Type VI (Raw Data) Disk / EDD
WIP (RWQCB) Standard Format
Disk ________ Other.

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	1/29/03	1106	[signature] 350	1/29/03	1107
[signature]	1/29/03	1324	[signature]	1-29-03	1325

Relinquished by Commercial Carrier:
UPS FedEx Other ________ Received by: Date Time

Temperature Upon Receipt 5.4 C° Custody Seals Intact? Yes No

ENCLOSURE F

Non-Hazardous Waste Disposal Manifests

FORWARD INCORPORATED

9999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
01	198380	

WEIGHMASTER: VICTORIA

DATE IN	TIME IN
29 January 2003	11:55 am

DATE OUT	TIME OUT
29 January 2003	11:55 am

VEHICLE: MAN M48 — ROLL OFF

REFERENCE — ORIGIN: OAKLAND

002748
CHEVRON PRODUCTS
KAREN STREICH - SO#9316900
P.O. BPX 6004
SAN RAMON, CA 945830904
Contract: 2748#

06 Gross Weight 84,900.00 LB
Stored Tare Weight 31,240.00 LB
Net Weight 53,660.00 LB 26.83 TN

Inbound - SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
26.83	TN 11	CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

MANIFEST #20P018

NET AMOUNT	
TENDERED	
CHANGE	
CHECK NO.	

DRIVER'S SIGNATURE [signature]

M-48
16594

Sanitary Landfill
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

Sanitary Landfill
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

Sanitary Landfill
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

Landfill
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: Chevron Environmental

MAILING ADDRESS: 6001 Bollinger Canyon Rd L-4510

CITY, STATE, ZIP: San Ramon, CA 94583-0712

PHONE: 925 842-1589

CONTACT PERSON: Karen Streich

SIGNATURE OF AUTHORIZED AGENT / TITLE: * Don Manley

DATE: 1-29-03

GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, If the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: 609 Oak Street Oakland, Ca

WASTE ACCEPTANCE NO.

– 2748

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT ☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: Manley & Sons Trucking, Inc.

ADDRESS: 9998 Elder Creek Rd.

CITY, STATE, ZIP: Sacramento, CA 95828

PHONE: 916 361-6864

SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * Bill Lance

DATE: 1-29-03

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9134895	M48

END DUMP	BOTTOM DUMP	TRANSFER
☑	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS:

FACILITY TICKET NUMBER:

SIGNATURE OF AUTHORIZED AGENT: * [signature]

DATE: 1/29/03

CUBIC YARDS: 18 Yards

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

GENERATOR COPY

MANIFEST # 202018

FORWARD INCORPORATED

999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

002748
CHEVRON PRODUCTS
KAREN STREICH - 5049516900
P.O. BPX 5004
SAN RAMON, CA 945830904
Contract: 27481

SITE	TICKET	GRID
01	17353	

WEIGHMASTER: VICTORIA

DATE IN	TIME IN
29 January 2003	11:30 am

DATE OUT	TIME OUT
29 January 2003	11:30 am

VEHICLE	ROLL OFF
MAN 330	

REFERENCE	ORIGIN
	OAKLAND

Gross Weight 81,900.00 LB
Stored Tare Weight 31,640.00 LB
Net Weight 50,260.00 LB 25.13 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
25.13	TN	11 CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUN
TENDERED
CHANGE
CHECK NO

MANIFEST #002019

DRIVER'S SIGNATURE Mark Pickett

TOLL RECEIPT
California Department of Transportation
CALTRANS - ATCAS
Antioch Strait Bridge
Thank You !!
01/29/03 10:06:16 LANE: 01 ID: 134
CLASS: 15 $ 3.25 CHARGE: 6673037

☑ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: ~~Chevron Environmental~~

MAILING ADDRESS: ~~6001 Bollinger Canyon Rd L-4310~~

CITY, STATE, ZIP: ~~San Ramon, CA 94583-0712~~

PHONE: ~~925-842-1589~~

CONTACT PERSON: ~~Karen Streich~~

SIGNATURE OF AUTHORIZED AGENT / TITLE: * Don Manley — DATE: 1-29-03

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: 809 Oak Street Oakland, Ca

WASTE ACCEPTANCE NO.

– 2748

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: Manley & Sons Trucking, Inc.

ADDRESS: 8896 Elder Creek Rd.

CITY, STATE, ZIP: Sacramento, CA 95828

PHONE: 916 381-8864

SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * Mark Palmitz — DATE: 1-29-03

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9A79963	5-30

END DUMP	BOTTOM DUMP	TRANSFER
☑	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: * — DATE

CUBIC YARDS: 18 Yards

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

GENERATOR COPY

MANIFEST # 202019

FORWARD INCORPORATED

9999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID
0	198362	

WEIGHMASTER
VICTORIA

DATE IN	TIME IN
29 January 2003	11:29 am

DATE OUT	TIME OUT
29 January 2003	11:29 am

VEHICLE	ROLL OFF
MAN 332	

REFERENCE	ORIGIN
	OAKLAND

0027487
CHEVRON PRODUCTS
KAREN STREICH - SO#9316900
P.O. BPX 6004
SAN RAMON, CA 945830904
Contract: 2748#

OO Gross Weight 85,480.00 LB
Stored Tare Weight 31,560.00 LB
Net Weight 53,920.00 LB 26.96 TN

Inbound - SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
26.96	TN	11 CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

MANIFEST #202081

DRIVER'S SIGNATURE ____________

TOLL RECEIPT

California Department of Transportation

CALTRANS - DICAS
Antioch Street Bridge

Thank You !!

01/29/03 10:25:59 LANE: 01 ID: 134
CLASS: 10 $ 9.25 CHARGE: 6078698

17761
5-32

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR
Chevron Environmental

MAILING ADDRESS
6001 Bollinger Canyon Rd L-4310

CITY, STATE, ZIP
San Ramon, CA 94583-0712

PHONE
925 842-1589

CONTACT PERSON
Karen Streich

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE

*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, If the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

☐ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY
609 Oak Street Oakland, Ca

WASTE ACCEPTANCE NO.
– 2748

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER
Manley & Sons Trucking, Inc.

ADDRESS
8896 Elder Creek Rd.

CITY, STATE, ZIP
Sacramento, CA 95828

PHONE
916 381-8864

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE

* 1-29-03

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9A77966	3-32

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE

* 1/29/03

CUBIC YARDS
18 Yards

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

GENERATOR COPY

MANIFEST # 202021

ENCLOSURE G

Compaction Testing Results Report

CMT, INC.
DAILY FIELD REPORT

JOB NO or P O NO: 97348
PAGE: 1 OF 1

PROJECT NAME: 609 OAK ST	CLIENT OR OWNER: HAROLD SPEELMAN ESX.	DAILY FIELD REPORT SEQUENCE NO: 1
GENERAL LOCATION OF WORK: OAKLAND	OWNER OR CLIENT'S REPRESENTATIVE: HAROLD	DATE: 1-29-03 / DAY OF WEEK: Wednesday
GENERAL CONTRACTOR:	GRADING CONTRACTOR: SAME	PROJECT ENGINEER:
TYPE OF WORK: TESTING	CONTRACTOR'S SUPERINTENDENT OR FOREMAN:	SUPERVISOR
SOURCE AND DESCRIPTION OF FILL MATERIAL (IMPORT OR SITE): 3/4" RECYCLED AB - DUTRA HAYWARD	WEATHER: FAIR	TECHNICIAN: J. OLIVEIRA

DESCRIBE EQUIPMENT USED FOR HAULING, SPREADING, WATERING CONDITIONING, AND COMPACTING

TEST NUMBER	TEST LOCATION	ELEV (feet)	FIELD TESTING: DRY DENSITY lbs/cu ft	FIELD TESTING: MOISTURE CONTENT %	FIELD TESTING: % OF MAXIMUM DRY DENSITY	REFERENCE CURVE: COMP CURVE NO	REFERENCE CURVE: MAXIMUM DRY DENSITY lbs/cu ft	REFERENCE CURVE: OPTIMUM MOISURE CONTENT %	COMMENTS
1	MIDDLE OF THE HOLE	-6"	110.1	10.6	90	1	122.9	11.0%	
2	NEAR THE SOUTH EDGE OF THE HOLE	-6"	111.1	10.1	90	1			

NOTES (Describe work completed during this day any problems and their solutions)

TESTING & OBSERVATION SERVICE BEING PERFORMED AS PER REQUESTED
BACKFILLING WITH RECYCLED AB WAS BEING DONE WHERE THE TECHNICIAN WAS INFORMED THAT CONTAMINATED SOIL HAD BEEN REMOVED. UPON THIS TECHNICIANS ARRIVAL BACKFILL WAS APPROXIMATELY 6" BELOW EXISTING GRADE.
TESTS INDICATED 90% COMPACTION.
THE CURVE USED WAS FROM ANOTHER PROJECT - SAME QUARRY, SAME CONTRACTOR

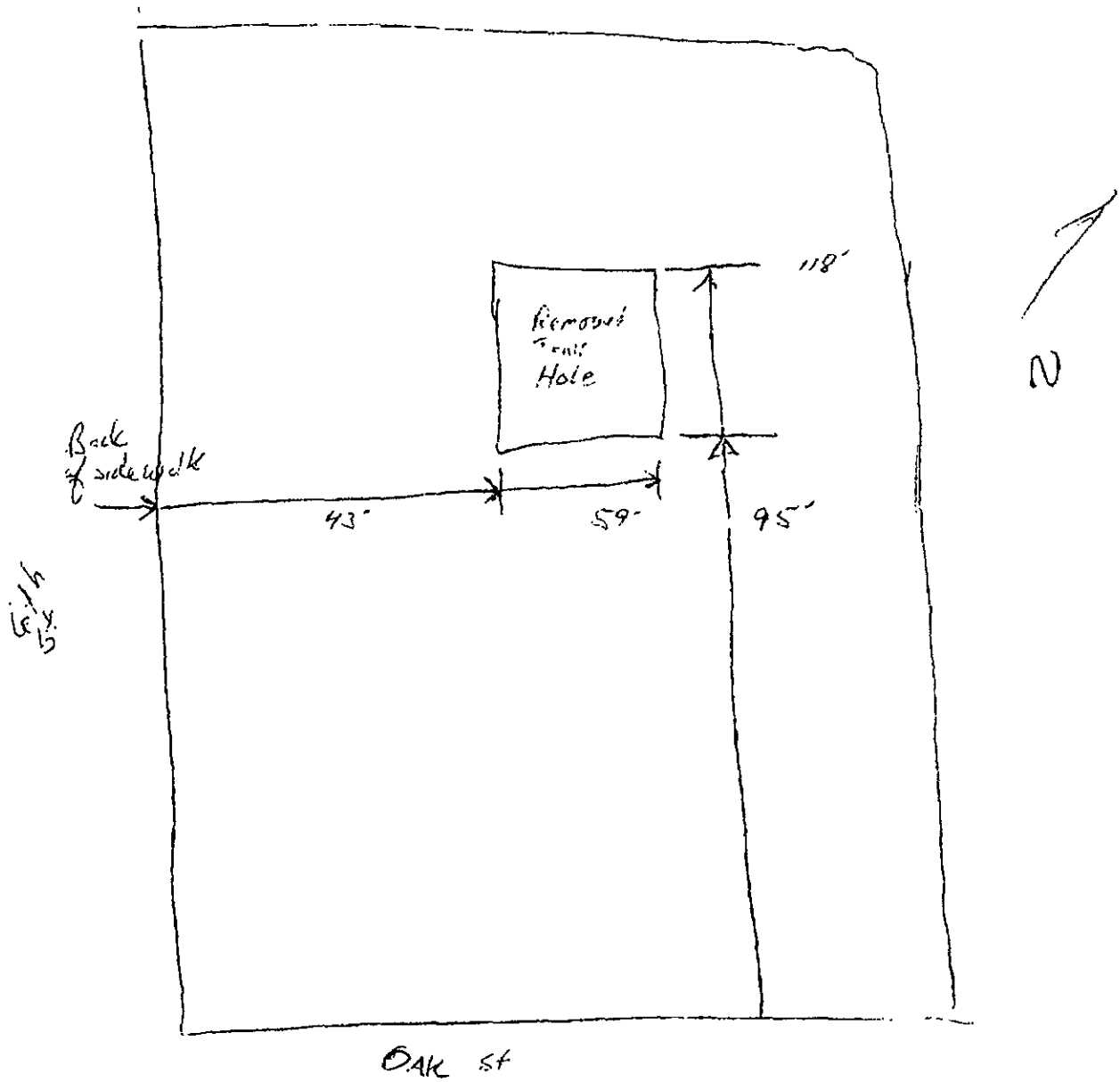
TIME BILLED: 4 HRS. / NO. OF VISITS: / TYPED REPORT ☐ YES ☐ NO / CONTINUED ☐

RECEIVED BY

COPY GIVEN TO

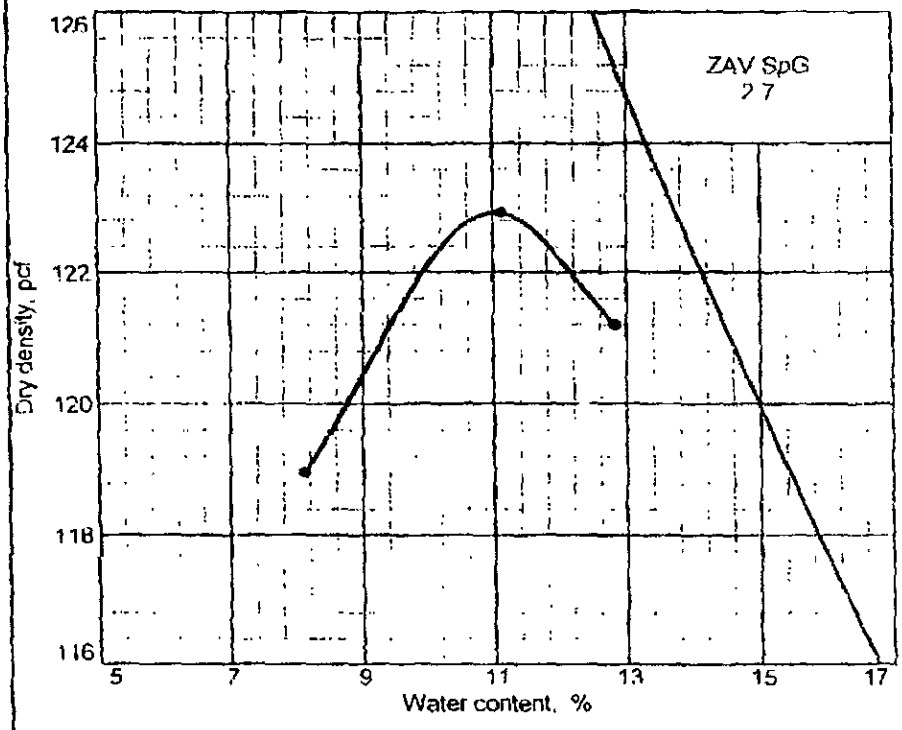
HAROLD SPELLING EX.

609 OAK ST 97348



HOWARD - KEEP FOR YOUR RECORDS, MARK HOPKINS

COMPACTION TEST REPORT



Curve No.
2

Test Specification:
ASTM D 1557-91 PROCEDURE C MODIFIED

Hammer Wt : 10 lb.
Hammer Drop: 18 in
Number of Layers: five
Blows per Layer. 56
Mold Size: .075 cu.ft.

Test Performed on Material
Passing 3/4 in. Sieve

Soil Data
NM Sp.G.
LL PI
%>3/4 in. %<#200
USCS AASHTO

TESTING DATA

	1	2	3	4	5	6
WM + WS	4375.0	4647.0	4652.0			
WM	0.0	0.0	0.0			
WW + T #1	4375.00	4647.00	4652.00			
WD + T #1	4047.00	4182.00	4123.00			
TARE #1	0.00	0.00	0.00			
WW + T #2						
WD + T #2						
TARE #2						
MOISTURE	8.1	11.1	12.8			
DRY DENSITY	119.0	122.9	121.2			

TEST RESULTS

Maximum dry density = 122.9 pcf

Optimum moisture = 11.0 %

Material Description
DARK GREYISH BROWN RECYCLED AGGREGATE BASE

Project No. 97197 **Client:** SPEILMAN CONST.
Project: AVIS, OAKLAND AIRPORT

• **Location:** DUTRA

Remarks:
10-7-2002
KL&BR/JPM&AMc

COMPACTION TEST REPORT

CONSTRUCTION MATERIALS TESTING INC.

Plate