CAMBRIA

September 25, 2006

Mr. Barney Chan
Alameda County Environmental Health Services (ACEHS)
1131 Harbor Bay Parkway
Alameda, CA 94502-6577

Re: **Response to Regulatory Letter of August 18, 2006**
Chevron Station #9-3283
3005 Grove Way
Castro Valley, California

Mr. Chan:

On behalf of Chevron Environmental Management Company (Chevron), Cambria Environmental Technology, Inc. (Cambria) submits this response to the ACEHS letter referenced above. The letter requests information on underground storage tank (UST) history at the site and the 1996 removal of a used-oil UST, hydraulic hoists and an oil/water separator. For your reference, a copy of this letter is included as Attachment A. A review of Chevron's files has provided the following information.

UST, PIPING AND DISPENSER HISTORY

Chevron's records indicate that the station was constructed in 1969 and has operated continuously since that time. It was determined that the USTs are single-walled fiberglass and were installed in 1982. All available site plans in Chevron's files indicate that the station is still in its original configuration. However, there is a notation in the REVISIONS box of the April 3, 1969 GROUND PLAN, with a date of 1982, stating "New Tank Locations." On September 21, 2006, Cambria interviewed Mr. Pete Algian regarding tank locations. Mr. Algian had been the station dealer from 1969 through approximately 1990. He confirmed that the 1982 fiberglass USTs were placed in same location as the previous generation of tanks. He surmised that the notation on the ground plan may have resulted from a slight shift in tank location or orientation to accommodate the larger volume tanks.

1996 USED-OIL UST, HOIST AND OIL/WATER SEPARATOR REMOVAL AND OVEREXCAVATION

In April 1996, a 1,000 gallon used-oil UST, three hoists and a concrete oil/water (O/W) separator were removed from the site. A soil sample was collected beneath each hoist, beneath the O/W separator and two samples from beneath the used-oil UST. Analytic results of the two samples collected

Cambria
Environmental
Technology, Inc.

5900 Hollis Street
Suite A
Emeryville, CA 94608
Tel (510) 420-0700
Fax (510) 420-9170

CAMBRIA

beneath the UST showed maximum hydrocarbon concentrations of 1.6 parts-per-million (ppm) total petroleum hydrocarbons as diesel (TPHd). No other hydrocarbons were detected beneath the UST. The soil sample collected beneath the center hoist contained 400 ppm TPH-hydraulic oil. As hydraulic oil is not a regulated compound, no additional excavation of this was conducted. The soil sample collected beneath the O/W separator contained 2,100 ppm total petroleum hydrocarbons as gasoline (TPHg), 3,200 ppm TPHd and 2,700 ppm total recoverable petroleum hydrocarbons (TRPH) (defined as oil and grease). On April 19 and 24, 1996, the area beneath the O/W separator was excavated and five confirmation samples were collected. Analysis of these samples showed maximum residual concentrations of 34 ppm TPHd and 290 ppm TRPH at 7 feet below grade (fbg) and ND at 9 fbg. A total of approximately 80 cubic yards of pea gravel and excavated soil were transported and disposed of offsite. An August 1996 letter from Alameda Health Care Services Agency stated that, "the 1,000-gallon used-oil tank was closed in compliance with Title 23 of the California Code of Regulations." Additionally, the letter states that "No further investigations or cleanup actions are required." A copy of the Touchstone Developments report is included as Attachment B and a copy of the ACEHS No Further Action letter is included as Attachment C.

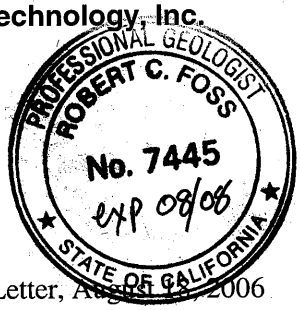
CLOSING

We are pleased to provide you the requested information and supporting documentation. Please contact either Robert Foss of Cambria at (510) 420-3348 or Dana Thurman of Chevron at (925) 842-9559 if you have any questions or comments.

Sincerely,
Cambria Environmental Technology, Inc.

Robert Foss

Robert Foss, P.G. #7445
Associate Geologist



Attachments: A – ACEHS Letter, August 15, 2006
B – *Used-oil Tank, Hoist and Oil/Water Separator Removal and Overexcavation Soil Sampling Report*, Touchstone Developments, June 28, 1996
C – ACEHS Letter, August 2, 1996, Closure of Underground Storage Tank

cc: Mr. Dana Thurman, Chevron Environmental Management Company, P.O. Box 6012, San Ramon, CA 94583

I:\9-3283 Castro Valley\Regulatory Response.doc

ATTACHMENT A

ACEHS Letter, August 18, 2006

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

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

August 18, 2006

Mr. Dana Thurman
Chevron Environmental Management Company
6001 Bollinger Canyon Rd., Room K2236
San Ramon, CA 94583

Dear Mr. Thurman:

Subject: Fuel Leak Case RO00002607, Chevron #9-3283, 3005 Grove Way, Castro Valley, CA

Alameda County Environmental Health (ACEH) staff has reviewed the file for the subject site and has determined that additional information is required prior to closing this site. We are receipt of only one report, the December 23, 2003 Baseline Investigation Report prepared by Cambria Environmental. Although the soil and groundwater data in this investigation report little to no petroleum contamination, the site background in the report request additional clarification. We request you address the following technical comments and provide the technical reports below.

TECHNICAL COMMENTS

1. The report states that Chevron has operated the station at this site since 1969 and has no records whether the tanks are single or double walled. Please confirm whether the existing tanks are the first and only generation tanks and whether the current configuration of tanks, piping and dispensers is the original and only configuration at the site.
2. The report states that in 1996 the waste oil tank, three hydraulic lifts and a concrete oil/water separator were removed from the site. Reportedly only 1.6 ppm TPH as diesel was detected in the samples beneath the UST. The soil beneath the center lift detected 400 ppm TPH as hydraulic oil. The soil sample beneath the oil/water separator initially detected up to 2100 ppm TPHg, 3200 ppm TPHd and 2700 ppm TRPH. This soil was over-excavated and residual concentrations were 34 ppm TPHd and 290 ppm TRPH at 7' bg and ND at 9' bg. It is reported that Alameda County issued an August 1996 letter stating that "the 1,000 gallon used-oil tank was closed in compliance with Title 23 of the California Code of Regulations." Please provide copies of the tank, hydraulic lifts and oil/water separator removal and the August 1996 County letter. It is unclear at this time what the County letter represents, tank closure or no further action.

TECHNICAL REPORT REQUEST

Please submit your response to item 1 and the requested removal report and letter to our office by September 18, 2006.

ELECTRONIC SUBMITTAL OF REPORTS

Effective **January 31, 2006**, the Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities. Please do not submit reports as attachments to electronic mail.

Submission of reports to the Alameda County ftp site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) Geotracker website. Submission of reports to the Geotracker website does not fulfill the requirement to submit documents to the Alameda County ftp site. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitor wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, electronic submittal of a complete copy of all necessary reports was required in Geotracker (in PDF format). Please visit the SWRCB website for more information on these requirements (http://www.swrcb.ca.gov/ust/cleanup/electronic_reporting).

In order to facilitate electronic correspondence, we request that you provide up to date electronic mail addresses for all responsible and interested parties. Please provide current electronic mail addresses and notify us of future changes to electronic mail addresses by sending an electronic mail message to me at barney.chan@acgov.org.

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification.

Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

If you have any questions, please call me at (510) 567-6765.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

cc: files, D. Drogos
Mr. Robert Foss, Cambria Environmental, 5900 Hollis St., Suite A, Emeryville, CA 94608

8_18_06 3005 GroveWay

ATTACHMENT B

***Used-oil Tank, Hoist and Oil/Water Separator Removal and Overexcavation and Soil Sampling Report*,**
Touchstone Developments, June 28, 1996

Touchstone Developments
Environmental Management

Used-oil Tank, Hoists, and Oil/water Separator Removal and Overexcavation Soil Sampling Report

Chevron Service Station Number 9-3283
3005 Grove Way
Castro Valley, California

prepared for

Chevron Products Company
6001 Bollinger Canyon Road
San Ramon, California

prepared by

Touchstone Developments

Robert Mallory
Project Manager

Marc Seeley CEG #1014
Technical Review

June 28, 1996

P.O. Box 2554 • Santa Rosa, CA 95405 • Office: (707) 538-8818 • Fax: (707) 538-8812 • Mobile/Fax: (707) 484-5112

INTRODUCTION

This report prepared by Touchstone Developments (Touchstone) documents the removal of a used-oil Underground Storage Tank (UST), hydraulic hoists, and an oil/water separator sump. In addition, this report documents disposal of soil generated from construction activities at the above referenced location (Figure 1).

Used-oil UST, hydraulic hoists, and the oil/water separator removals at this location were performed on April 19, 1996. Oil/water separator overexcavation soil sampling activities were performed on April 24, 1996.

SITE CONDITIONS

The service station site consists of three 10,000 gallon gasoline storage tanks, one 1,000 gallon used-oil tank, two dispenser islands and associated product piping, and a station building housing three hydraulic hoists and an oil/water separator. Groundwater was not encountered in any excavation observed by a Touchstone representative.

SERVICE STATION FIELD ACTIVITIES

Used-oil UST, hoist, and oil/water separator excavation and backfill were performed by Gettler-Ryan Inc. of Dublin, California. A Touchstone representative was on site to observe the removal/excavation activities, and to collect soil samples from the excavations and soil stockpiles. Barney Chan from the Alameda County Health Care Services Agency (ACHCSA) and Nick Chimento of the Alameda County Fire Department (ACFD) were present during the Used-oil UST removal. Transportation and disposal of the Used-oil UST was accomplished by Erickson, Inc. of Richmond, California.

Used-Oil UST Sampling

Two soil samples, designated WO-S-9.0 and WO-N-9.5, were collected from beneath both ends of the used-oil tank at approximately 9 and 9 1/2 feet below ground surface (bgs), respectively. The used-oil tank excavation measured approximately 13 feet long by 7 1/2 feet wide and 8 1/2 feet deep. The excavation and sample locations are shown on Figure 2. Soil sample analytical results and sample depths are presented in Table A.

Hoist Sampling

Soil sample HR-1-6.0 was collected from beneath the reservoir tank for the middle hoist. This hoist was sampled beneath the reservoir due to the inadvertent backfilling of hoist post excavations during site demolition activities. Soil samples H-1-8.5 and H-2-9.5 were collected from the bottom of the remaining hoist excavations. Hoist soil samples were collected at approximately 6 to 9 1/2 feet bgs. Sample locations are shown on Figure 2. Hoist soil sample analytical data and samples depths are presented in Table A.

Oil/Water Separator Sampling

One soil sample, designated OWS-1-5.0, was collected from beneath a concrete, two compartment oil/water separator located adjacent to the easternmost hoist inside the former repair bay area. This sample was collected at a depth of approximately 5 feet bgs. The sample location is presented on Figure 2 and analytical data and sample depth are presented in Table A.

OVEREXCAVATION SAMPLING ACTIVITIES

Oil/water Separator Excavation Activities

On April 19 and 24, 1996, the area of oil/water separator soil sample OWS-1-5.0 was overexcavated. Five soil samples, OOX-1-9.0, OX-1-7.0, OX-2-7.0, OX-3-7.0, and OX-4-7.0, were collected following overexcavation at depths of approximately 9 and 7 feet bgs. Approximately 30 cubic yards (cy) of soil were removed during overexcavation activities. The final dimensions of the excavated areas were approximately 10 feet by 10 feet by 8 feet bgs. The oil/water separator overexcavation extent and soil sample locations are shown on Figure 3 and soil sample analytical data are summarized in Table B.

STOCKPILE SAMPLING AND DISPOSAL

Soil stockpile WOSP-1(A-D) represents approximately 15 cy of pea gravel generated from the used-oil tank excavation. Stockpile OWSP-1(A-D) represents approximately 30 cy of soil generated from oil/water separator overexcavation activities. Four soil samples were collected and combined for approximately every 100 cy of material. These stockpile composite samples were combined and analyzed as one sample as a result of identical landfill profiling requirements. Upon receipt of chemical analytical data the soil represented by WOSP-1(A-D) and OWSP-1(A-D) was transported by Allwaste Transportation and Remediation, Inc. (Allwaste) to Browning-Ferris Industries (BFI) Vasco Road Landfill located in Livermore, California.

Soil stockpile analytical results are summarized in Table B and stockpile locations are shown on Figure 4.

SAMPLING PROTOCOL

Verification soil samples were collected from the excavation sidewalls and/or bottoms at various depths or where hydrocarbon impact was suspected. Soil samples were collected from the excavator or backhoe bucket by removing the top few inches of soil and pushing a clean, six-inch-long, two-inch diameter, brass sample tube into the soil until completely full. The ends of the sample tubes were covered with aluminum foil and sealed with plastic end caps. The samples were then labeled, placed in a cooler with ice, entered on a Chain-of-Custody form and transported to Sequoia Analytical, State-certified environmental laboratories located in Redwood City or Walnut Creek, California.

Stockpile Sampling

Four soil samples were collected for approximately every 75-100 cy of material generated. The four samples were then combined in the laboratory and analyzed as one. All stockpile samples were collected by removing the top 6 to 12 inches of soil, then pushing a sample tube or glass jar into the soil until completely full. The samples were sealed, labeled and handled as described above.

SAMPLE ANALYSIS

The soil samples collected from the used-oil tank excavation, oil/water separator, and hoist excavations, and associated stockpiles were analyzed for one or more of the following: Total Petroleum Hydrocarbons calculated as gasoline (TPH-Gasoline) according to EPA Method 8015 (Modified), Benzene, Toluene, Ethylbenzene and Xylenes (BTEX) according to EPA Method 8020, Total Petroleum Hydrocarbons calculated as Diesel (TPH-Diesel) according to EPA Method 8015 (Modified), Total Recoverable Petroleum Hydrocarbons according to Standard Methods method 5520 E&F and EPA Method 418.1, Halogenated Volatile Organic Compounds (HVOCs) according to EPA Method 8010, Volatile Organic Compounds (VOCs) according to EPA Method 8240, Semi-volatile Organics according to EPA SW-846 Method 8270, Cadmium, Chromium, Lead, Nickel, & Zinc according to EPA Method SW-846 6010, and Inorganic Persistent and Bioaccumulative Toxic Substances: TTLC (17 Metals) according to Title 22 of the California Code of Regulations. Copies of the analytical laboratory reports and Chain-of-Custody forms are presented in Appendix A.

TABLES

TABLE A
Used-Oil Tank Excavations, Hoist, and Oil/water Separator Sampling Summary
Chevron Service Station No. 9-3283
3005 Grove Way, Castro Valley, California

Results in mg/Kg - parts per million (ppm)

Used-oil Tank Sampling Results

Sample ID	Depth (ft.)	Laboratory	Date	TPH-Gasoline	Benzene	Toluene	Ethylbenzene	Xylenes	TPH-Diesel	TRPH
WO-S-9.0	9	Sequoia	19-Apr-96	ND	ND	ND	ND	ND	1.6	ND
WO-N-9.5	9.5	Sequoia	19-Apr-96	ND	ND	ND	ND	ND	ND	ND

Sample ID	Depth (ft.)	Laboratory	Date	Cadmium	Chromium	Lead	Nickel	Zinc	8010 [1]	8270
WO-S-9.0	9	Sequoia	19-Apr-96	ND	23	4.1	36	34	ND	ND
WO-N-9.5	9.5	Sequoia	19-Apr-96	ND	33	4.1	45	37	CAR	ND

Oil/water Separator Sampling Results

Sample ID	Depth (ft.)	Laboratory	Date	TPH-Gasoline	Benzene	Toluene	Ethylbenzene	Xylenes	TPH-Diesel	TRPH
OWS-1-5.0	5	Sequoia	19-Apr-96	2100	ND	5.6	12	72	3200	2700

Sample ID	Depth (ft.)	Laboratory	Date	Cadmium	Chromium	Lead	Nickel	Zinc	8010 [1]	8270 [2]
OWS-1-5.0	5	Sequoia	19-Apr-96	ND	23	4.0	26	20	CAR	CAR

TABLE A
Used-Oil Tank Excavations, Hoist, and Oil/water Separator Sampling Summary
Chevron Service Station No. 9-3283
3005 Grove Way, Castro Valley, California

Results in mg/Kg - parts per million (ppm)

Hoist Sampling Results

Sample ID	Depth (ft.)	Laboratory	Date	TPH-Hydraulic Oil
H-1-8.5	8.5	Sequoia	19-Apr-96	ND
H-2-9.5	9.5	Sequoia	19-Apr-96	ND
HR-1-6.0	6	Sequoia	19-Apr-96	400

Notes: 1. 1,1-Dichloroethene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, and/or 1,4-Dichlorobenzene were detected in 8010 analyses. Analyte concentrations are reported in the Sequoia analytical report.

2. 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 2-Methylnapthalene, and Napthalene were detected in 8270 analyses. Analyte concentrations are reported in the Sequoia analytical report.

TPH-Gasoline = Total Petroleum Hydrocarbons calculated as Gasoline.

TPH-Diesel = Total Petroleum Hydrocarbons calculated as Diesel.

TRPH = Total Recoverable Petroleum Hydrocarbons (SM 5520 E&F).

8010 = Halogenated Volatile Organics (EPA 8010).

8270 = Semi-Volatile Organics (8270).

ND = Not detected at or above laboratory detection limits.

NA = Analysis not requested.

CAR = See Sequoia certified analytical report for analytes detected.

TABLE B
Oil/water Separator Overexcavation Sampling Summary
Chevron Service Station No. 9-3283
3005 Grove Way, Castro Valley, California

Results in mg/Kg - parts per million (ppm)

Oil/water Separator Overexcavation Sampling Results

Sample ID	Depth (ft.)	Laboratory	Date	TPH-Gasoline	Benzene	Toluene	Ethylbenzene	Xylenes	TPH-Diesel	TRPH	8010
OOX-1-9.0	9	Sequoia	19-Apr-96	ND	ND	ND	ND	ND	ND	ND	ND
OX-1-7.0	7	Sequoia	24-Apr-96	ND	ND	ND	ND	ND	ND	ND	ND
OX-2-7.0	7	Sequoia	24-Apr-96	ND	ND	ND	ND	ND	6.7	ND	ND
OX-3-7.0	7	Sequoia	24-Apr-96	ND	ND	ND	ND	ND	34	290	ND
OX-4-7.0	7	Sequoia	24-Apr-96	ND	ND	ND	ND	0.015	ND	ND	ND

TPH-Gasoline = Total Petroleum Hydrocarbons calculated as Gasoline.

TPH-Diesel = Total Petroleum Hydrocarbons calculated as Diesel.

TRPH = Total Recoverable Petroleum Hydrocarbons (SM 5520 E&F).

8010 = Halogenated Volatile Organics (EPA 8010).

ND = Not detected at or above laboratory detection limits.

TABLE C
Soil Stockpile Sampling Summary
Chevron Service Station No. 9-3283
3005 Grove Way, Castro Valley, California

Results in mg/Kg - parts per million (ppm)

Used-oil Tank and Oil/water Separator Soil Stockpile Sampling Results

Sample ID	Laboratory	Date	Cadmium	Chromium	Lead	Nickel	Zinc	TRPH	8240[2]	8270[3]
WOSP-1(A-D) & OWSP-1(A-D)[1]	Sequoia	19-Apr-96	ND	28	16	37	40	2000	CAR	CAR

Note : 1. Composite samples WOSP-1(A-D) and OWSP-1(A-D) were combined and analyzed as one sample due to identical profiling requirements.

2. Ethylbenzene and Xylenes were detected in 8240 analysis. Analyte concentrations are reported in the Sequoia analytical report.

3. 2-Methylnapthalene was detected in 8270 analysis. The analyte concentration is reported in the Sequoia analytical report.

4. Additional metal analyses data for WOSP-1(A-D) & OWSP-1(A-D) are presented in the Sequoia certified analytical report.

TRPH = Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

8240 = Volatile Organics (EPA 8240).

8270 = Semi-Volatile Organics (EPA 8270).

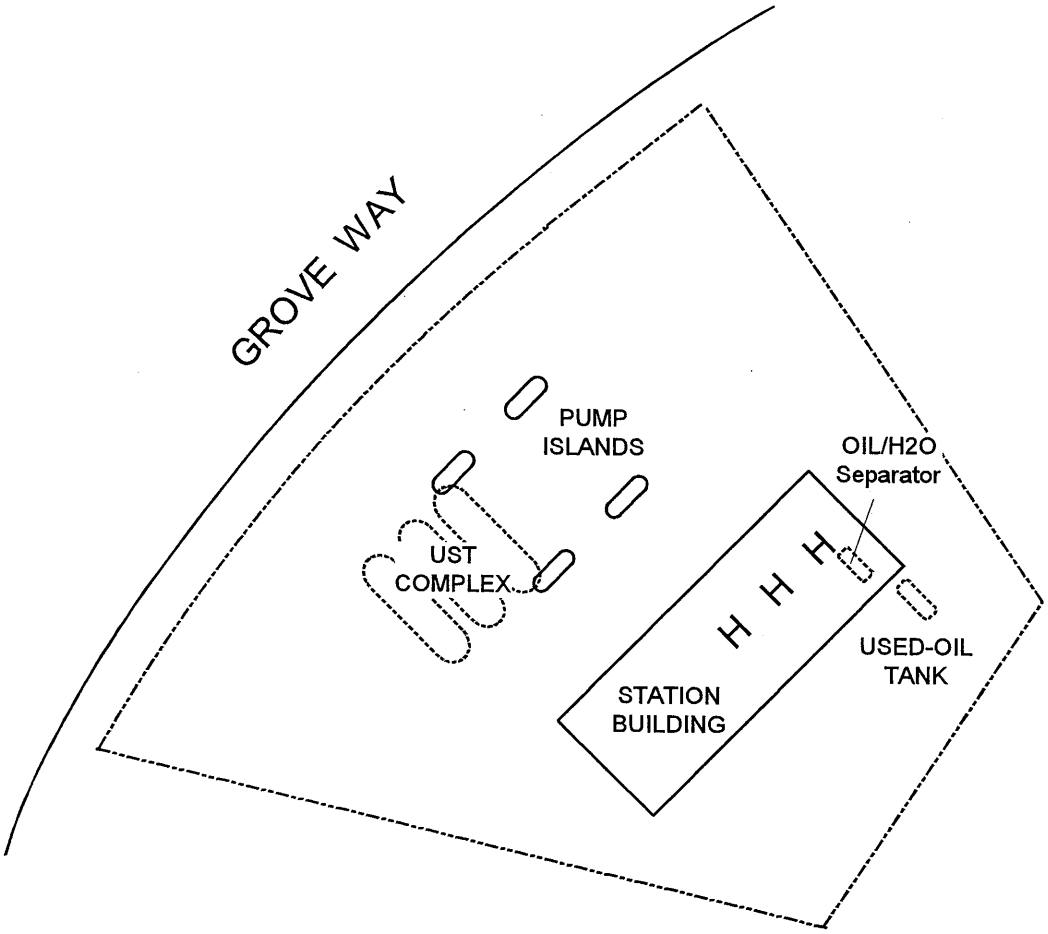
CAR = See Sequoia certified analytical report for analytes detected.

ND = Not detected at or above laboratory detection limits.

FIGURES

EXPLANATION

UST	Underground Storage Tank
H	Hydraulic Hoist



N

0 20 40

approximate scale in feet

Touchstone Developments
Environmental Management

SITE PLAN

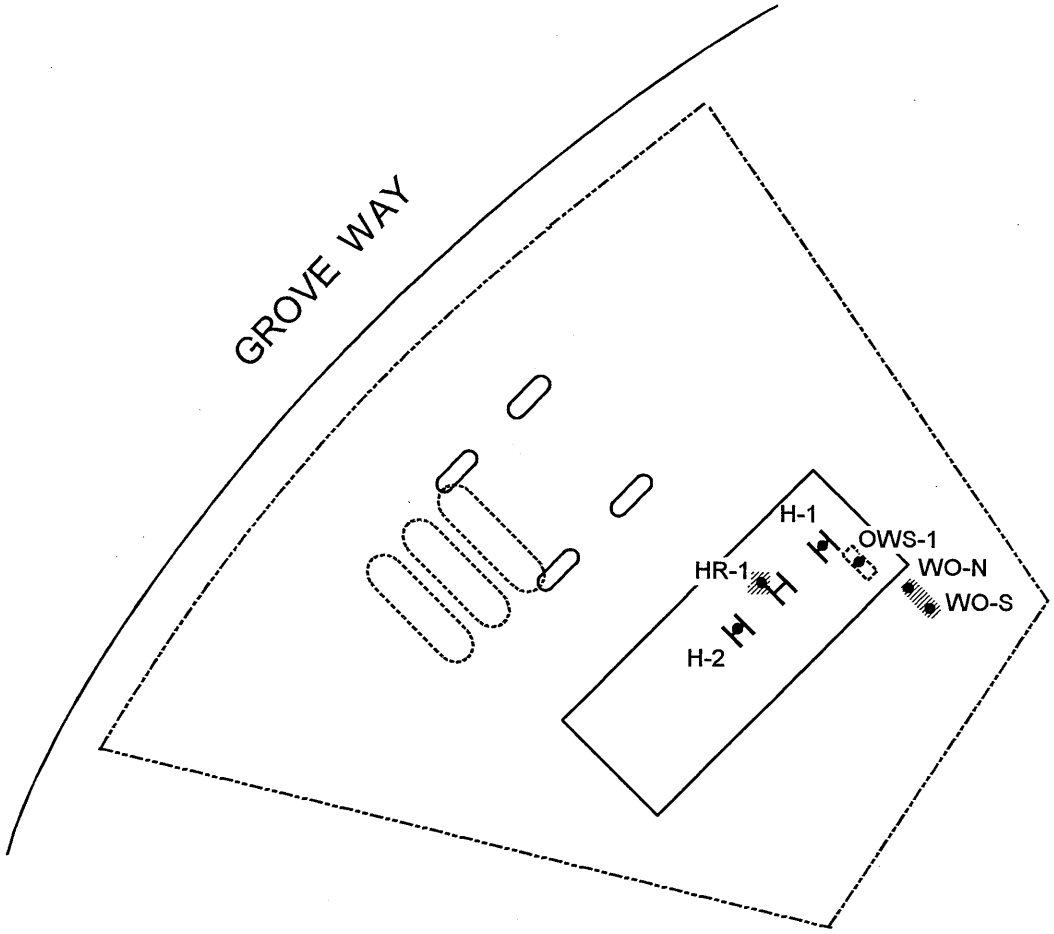
Chevron Service Station No. 9-3283
3005 Grove Way
Castro Valley, California

FIGURE
1

PROJECT NO.	DATE:	DRAWN BY:	BASE MAP:
9-3283	4/96	WTJ	COPY OF BLUE PRINT - Proposed Site Plan 8/90

EXPLANATION

UST	Underground Storage Tank
H	Hydraulic Hoist
• WO-N	Soil sample location and ID
	Excavation limits



0 20 40

approximate scale in feet

N

SOIL SAMPLING MAP

Chevron Service Station No. 9-3283
3005 Grove Way
Castro Valley, California

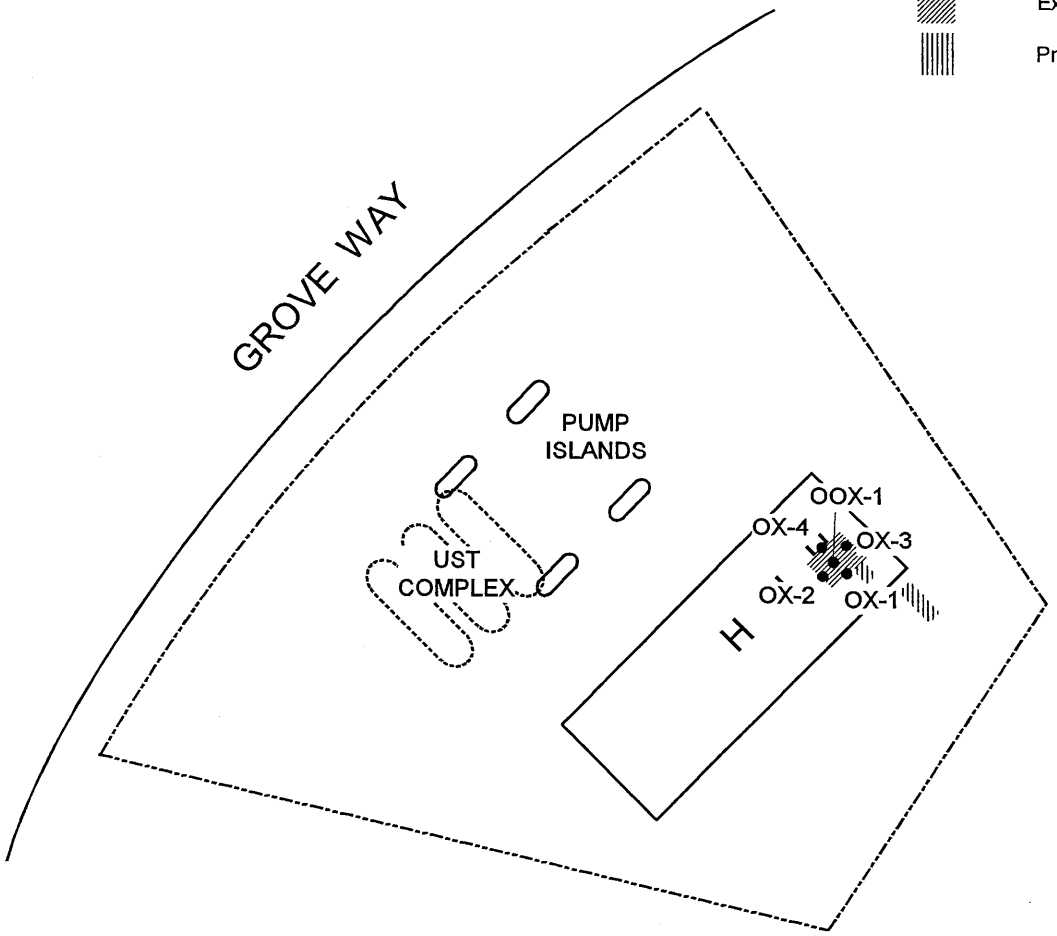
FIGURE 2

Touchstone Developments
Environmental Management

PROJECT NO.	DATE:	DRAWN BY:	BASE MAP:
9-3283	6/96	WTJ	COPY OF BLUE PRINT - Proposed Site Plan 8/90

EXPLANATION

UST	Underground Storage Tank
H	Hydraulic Hoist
● WO-N	Soil sample location and ID
	Excavation limits
	Previous excavation limits



0 20 40

approximate scale in feet

N

OVEREXCAVATION SOIL SAMPLING MAP

Chevron Service Station No. 9-3283
3005 Grove Way
Castro Valley, California

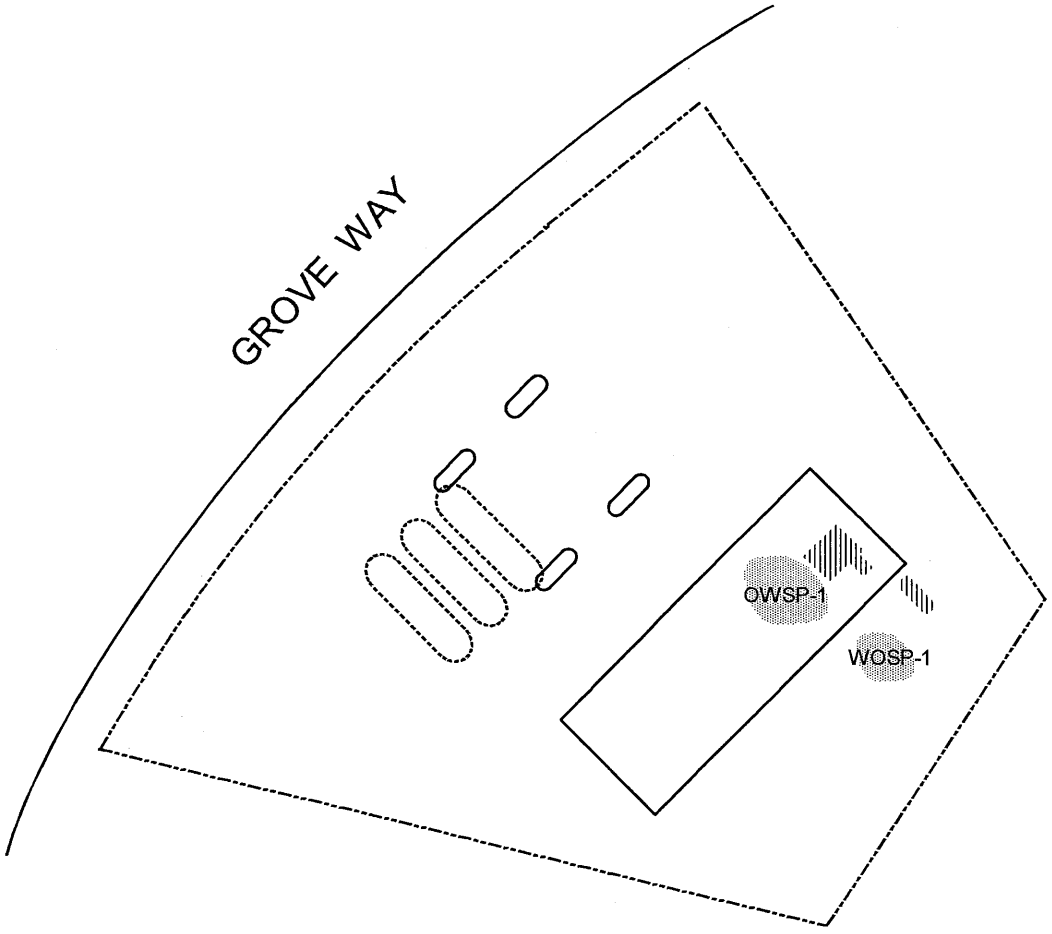
Touchstone Developments
Environmental Management

FIGURE
3

PROJECT NO.	DATE:	DRAWN BY:	BASE MAP:
9-3283	6/96	WTJ	COPY OF BLUE PRINT - Proposed Site Plan 8/90

EXPLANATION

UST	Underground Storage Tank
H	Hydraulic Hoist
	Previous Excavation Limits
	Soil Stockpile Location



N

0 20 40

approximate scale in feet

SOIL STOCKPILE MAP

Chevron Service Station No. 9-3283
3005 Grove Way
Castro Valley, California

FIGURE 4

Touchstone Developments
Environmental Management

PROJECT NO.	DATE:	DRAWN BY:	BASE MAP:
9-3283	6/96	WTJ	COPY OF BLUE PRINT - Proposed Site Plan 8/90

APPENDIX A

CHEMICAL ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY FORMS

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Development	Client Project ID:	Chevron #9-3283	Sampled: Apr 19, 1996
781 Kingston Ave.	Sample Matrix:	Soil	Received: Apr 22, 1996
Oakland, CA 94611	Analysis Method:	EPA 5030/8015 Mod./8020	Reported: Apr 25, 1996
Attention: Robert Mallory	First Sample #:	604-1532	

QC Batch Number: SP042396 SP042396 SP042296

8020EXA 8020EXA 8020EXA

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit mg/kg	Sample I.D. 604-1532 WO-S -9.0	Sample I.D. 604-1533 WO-N -9.5	Sample I.D. 604-1534 OWS-1-5.0
Purgeable Hydrocarbons	1.0	N.D.	N.D.	2,100
Benzene	0.0050	N.D.	N.D.	N.D.
Toluene	0.0050	N.D.	N.D.	5.6
Ethyl Benzene	0.0050	N.D.	N.D.	12
Total Xylenes	0.0050	N.D.	N.D.	72
Chromatogram Pattern:		--	--	Gasoline

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0	500
Date Analyzed:	4/23/96	4/23/96	4/22/96
Instrument Identification:	HP-4	HP-4	HP-5
Surrogate Recovery, %: (QC Limits = 70-130%)	104	104	81

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Development	Client Project ID:	Chevron #9-3283	Sampled: Apr 19, 1996
781 Kingston Ave.	Sample Matrix:	Soil	Received: Apr 22, 1996
Oakland, CA 94611	Analysis Method:	EPA 3550/8015 Mod.	Reported: Apr 25, 1996
Attention: Robert Mallory	First Sample #:	604-1532	

QC Batch Number: SP042296 SP042296 SP042296

8015EXA 8015EXA 8015EXA

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

Analyte	Reporting Limit mg/kg	Sample I.D. 604-1532 WO-S -9.0	Sample I.D. 604-1533 WO-N -9.5	Sample I.D. 604-1534 OWS-1-5.0
Extractable Hydrocarbons	1.0	1.6	N.D.	3,200
Chromatogram Pattern:		Unidentified Hydrocarbons >C21	--	Unidentified Hydrocarbons <C15 and >C16

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0	20
Date Extracted:	4/22/96	4/22/96	4/22/96
Date Analyzed:	4/22/96	4/22/96	4/22/96
Instrument Identification:	HP-3B	HP-3A	HP-3B

Extractable Hydrocarbons are quantitated against a fresh diesel standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Development	Client Project ID:	Chevron #9-3283	Sampled: Apr 19, 1996
781 Kingston Ave.	Sample Matrix:	Soil	Received: Apr 22, 1996
Oakland, CA 94611	Analysis Method:	EPA 3550/8015 Mod.	Reported: Apr 25, 1996
Attention: Robert Mallory	First Sample #:	604-1535	

QC Batch Number: SP042296 SP042296 SP042296

8015EXA 8015EXA 8015EXA

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS AS HYDRAULIC FLUID

Analyte	Reporting Limit mg/kg	Sample I.D. 604-1535 H-1-8.5	Sample I.D. 604-1536 H-2-9.5	Sample I.D. 604-1537 HR-1-6.0
Extractable Hydrocarbons	1.0	N.D.	N.D.	400
Chromatogram Pattern:		--	--	Hydrualic Fluid

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0	20
Date Extracted:	4/22/96	4/22/96	4/22/96
Date Analyzed:	4/22/96	4/22/96	4/22/96
Instrument Identification:	HP-3B	HP-3B	HP-3B

Extractable Hydrocarbons are quantitated against a fresh hydrualic fluid standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Development	Client Project ID:	Chevron #9-3283	Sampled: Apr 19, 1996
781 Kingston Ave.	Matrix Descript:	Soil	Received: Apr 22, 1996
Oakland, CA 94611	Analysis Method:	SM 5520 E&F (Gravimetric)	Extracted: Apr 22, 1996
Attention: Robert Mallory	First Sample #:	604-1532	Analyzed: Apr 22, 1996
			Reported: Apr 25, 1996

TOTAL RECOVERABLE PETROLEUM OIL

Sample Number	Sample Description	Oil & Grease mg/kg (ppm)	Detection Limit Multiplication Factor	QC Batch Number
604-1532	WO-S-9.0	N.D.	1.0	SP0422965520MDA
604-1533	WO-N-9.5	N.D.	1.0	SP0422965520MDA
604-1534	OWS-1-5.0	2,700	1.0	SP0422965520MDA

Detection Limits:	**50**

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

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Development	Client Project ID:	Chevron #9-3283	Sampled: Apr 19, 1996
781 Kingston Ave.	Sample Descript:	Soil, WO-S-9.0	Received: Apr 22, 1996
Oakland, CA 94611	Analysis Method:	EPA 5030/8010	Analyzed: Apr 22, 1996
Attention: Robert Mallory	Lab Number:	604-1532	Reported: Apr 25, 1996

QC Batch Number: GC042296801006A

Instrument ID: HP-6

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limit %		% Recovery
Dibromodifluoromethane	50	150	42*
4-Bromofluorobenzene	50	150	84

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

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

Please Note:
* Surrogate recovery outside control limits due to matrix interference.

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Development	Client Project ID:	Chevron #9-3283	Sampled: Apr 19, 1996
781 Kingston Ave.	Sample Descript:	Soil, OWS-1-5.0	Received: Apr 22, 1996
Oakland, CA 94611	Analysis Method:	EPA 5030/8010	Analyzed: Apr 22, 1996
Attention: Robert Mallory	Lab Number:	604-1534	Reported: Apr 25, 1996

QC Batch Number: GC042296801006A

Instrument ID: HP-6

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	100	N.D.
Bromoform	100	N.D.
Bromomethane	200	N.D.
Carbon tetrachloride	100	N.D.
Chlorobenzene	100	N.D.
Chloroethane	200	N.D.
2-Chloroethylvinyl ether	200	N.D.
Chloroform	100	N.D.
Chloromethane	200	N.D.
Dibromochloromethane	100	N.D.
1,2-Dichlorobenzene	**100**	**4,100**
1,3-Dichlorobenzene	**100**	**2,900**
1,4-Dichlorobenzene	**100**	**2,200**
1,1-Dichloroethane	100	N.D.
1,2-Dichloroethane	100	N.D.
1,1-Dichloroethene	100	N.D.
cis-1,2-Dichloroethene	100	N.D.
trans-1,2-Dichloroethene	100	N.D.
1,2-Dichloropropane	100	N.D.
cis-1,3-Dichloropropene	100	N.D.
trans-1,3-Dichloropropene	100	N.D.
Methylene chloride	1,000	N.D.
1,1,2,2-Tetrachloroethane	100	N.D.
Tetrachloroethene	100	N.D.
1,1,1-Trichloroethane	100	N.D.
1,1,2-Trichloroethane	100	N.D.
Trichloroethene	100	N.D.
Trichlorofluoromethane	100	N.D.
Vinyl chloride	200	N.D.

Surrogates	Control Limit %		% Recovery
Dibromodifluoromethane	50	150	52
4-Bromofluorobenzene	50	150	100

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Development	Client Project ID:	Chevron #9-3283	Sampled: Apr 19, 1996
781 Kingston Ave.	Sample Descript:	Soil, WO-N-9.5	Received: Apr 22, 1996
Oakland, CA 94611	Analysis Method:	EPA 5030/8010	Analyzed: Apr 22, 1996
Attention: Robert Mallory	Lab Number:	604-1533	Reported: Apr 25, 1996

QC Batch Number: GC042296801006A

Instrument ID: HP-6

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	**5.0**	**6.9**
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limit %		% Recovery
Dibromodifluoromethane	50	150	38*
4-Bromofluorobenzene	50	150	85

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

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

Please Note:
* Surrogate recovery outside control limits due to matrix interference.

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Development	Client Project ID:	Chevron #9-3283	Sampled: Apr 19, 1996
781 Kingston Ave.	Sample Descript:	Soil, WO-S-9.0	Received: Apr 22, 1996
Oakland, CA 94611	Analysis Method:	EPA 8270	Extracted: Apr 22, 1996
Attention: Robert Mallory	Lab Number:	604-1532	Analyzed: Apr 24, 1996
			Reported: Apr 25, 1996

QC Batch Number: SP0422968270EXA

Instrument ID: GC/MS-1

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Acenaphthene	100	N.D.
Acenaphthylene	100	N.D.
Aniline	100	N.D.
Anthracene	100	N.D.
Benzidine	2,500	N.D.
Benzoic Acid	500	N.D.
Benzo(a)anthracene	100	N.D.
Benzo(b)fluoranthene	100	N.D.
Benzo(k)fluoranthene	100	N.D.
Benzo(g,h,i)perylene	100	N.D.
Benzo(a)pyrene	100	N.D.
Benzyl alcohol	100	N.D.
Bis(2-chloroethoxy)methane	100	N.D.
Bis(2-chloroethyl)ether	100	N.D.
Bis(2-chloroisopropyl)ether	100	N.D.
Bis(2-ethylhexyl)phthalate	500	N.D.
4-Bromophenyl phenyl ether	100	N.D.
Butyl benzyl phthalate	100	N.D.
4-Chloroaniline	100	N.D.
2-Chloronaphthalene	100	N.D.
4-Chloro-3-methylphenol	100	N.D.
2-Chlorophenol	100	N.D.
4-Chlorophenyl phenyl ether	100	N.D.
Chrysene	100	N.D.
Dibenz(a,h)anthracene	100	N.D.
Dibenzofuran	100	N.D.
Di-N-butyl phthalate	500	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,2-Dichlorobenzene	100	N.D.
3,3-Dichlorobenzidine	500	N.D.
2,4-Dichlorophenol	100	N.D.
Diethyl phthalate	100	N.D.
2,4-Dimethylphenol	100	N.D.
Dimethyl phthalate	100	N.D.
4,6-Dinitro-2-methylphenol	500	N.D.
2,4-Dinitrophenol	500	N.D.
2,4-Dinitrotoluene	100	N.D.
2,6-Dinitrotoluene	100	N.D.
Di-N-octyl phthalate	100	N.D.
Fluoranthene	100	N.D.
Fluorene	100	N.D.

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Development	Client Project ID:	Chevron #9-3283	Sampled: Apr 19, 1996
781 Kingston Ave.	Sample Descript:	Soil, WO-S-9.0	Received: Apr 22, 1996
Oakland, CA 94611	Analysis Method:	EPA 8270	Extracted: Apr 22, 1996
Attention: Robert Mallory	Lab Number:	604-1532	Analyzed: Apr 24, 1996
			Reported: Apr 25, 1996

QC Batch Number: SP0422968270EXA

Instrument ID: GC/MS-1

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Hexachlorobenzene	100	N.D.
Hexachlorobutadiene	100	N.D.
Hexachlorocyclopentadiene	100	N.D.
Hexachloroethane	100	N.D.
Indeno(1,2,3-cd)pyrene	100	N.D.
Isophorone	100	N.D.
2-Methylnaphthalene	100	N.D.
2-Methylphenol	100	N.D.
4-Methylphenol	100	N.D.
Naphthalene	100	N.D.
2-Nitroaniline	500	N.D.
3-Nitroaniline	500	N.D.
4-Nitroaniline	500	N.D.
Nitrobenzene	100	N.D.
2-Nitrophenol	100	N.D.
4-Nitrophenol	500	N.D.
N-Nitrosodimethylamine	100	N.D.
N-Nitrosodiphenylamine	100	N.D.
N-Nitroso-di-N-propylamine	100	N.D.
Pentachlorophenol	500	N.D.
Phenanthrene	100	N.D.
Phenol	100	N.D.
Pyrene	100	N.D.
1,2,4-Trichlorobenzene	100	N.D.
2,4,5-Trichlorophenol	500	N.D.
2,4,6-Trichlorophenol	100	N.D.

Surrogates	Control Limit %		% Recovery
2-Fluorophenol	25	121	60
Phenol-d6	24	113	67
Nitrobenzene-d5	23	120	77
2-Fluorobiphenyl	30	115	73
2,4,6-Tribromophenol	19	122	76
4-Terphenyl-d14	18	137	77

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

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Development	Client Project ID:	Chevron #9-3283	Sampled:	Apr 19, 1996
781 Kingston Ave.	Sample Descript:	Soil, WO-N-9.5	Received:	Apr 22, 1996
Oakland, CA 94611	Analysis Method:	EPA 8270	Extracted:	Apr 22, 1996
Attention: Robert Mallory	Lab Number:	604-1533	Analyzed:	Apr 24, 1996
			Reported:	Apr 25, 1996

QC Batch Number: SP0422968270EXA

Instrument ID: GC/MS-1

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Acenaphthene	100	N.D.
Acenaphthylene	100	N.D.
Aniline	100	N.D.
Anthracene	100	N.D.
Benzidine	2,500	N.D.
Benzoic Acid	500	N.D.
Benzo(a)anthracene	100	N.D.
Benzo(b)fluoranthene	100	N.D.
Benzo(k)fluoranthene	100	N.D.
Benzo(g,h,i)perylene	100	N.D.
Benzo(a)pyrene	100	N.D.
Benzyl alcohol	100	N.D.
Bis(2-chloroethoxy)methane	100	N.D.
Bis(2-chloroethyl)ether	100	N.D.
Bis(2-chloroisopropyl)ether	100	N.D.
Bis(2-ethylhexyl)phthalate	500	N.D.
4-Bromophenyl phenyl ether	100	N.D.
Butyl benzyl phthalate	100	N.D.
4-Chloroaniline	100	N.D.
2-Chloronaphthalene	100	N.D.
4-Chloro-3-methylphenol	100	N.D.
2-Chlorophenol	100	N.D.
4-Chlorophenyl phenyl ether	100	N.D.
Chrysene	100	N.D.
Dibenz(a,h)anthracene	100	N.D.
Dibenzofuran	100	N.D.
Di-N-butyl phthalate	500	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,2-Dichlorobenzene	100	N.D.
3,3-Dichlorobenzidine	500	N.D.
2,4-Dichlorophenol	100	N.D.
Diethyl phthalate	100	N.D.
2,4-Dimethylphenol	100	N.D.
Dimethyl phthalate	100	N.D.
4,6-Dinitro-2-methylphenol	500	N.D.
2,4-Dinitrophenol	500	N.D.
2,4-Dinitrotoluene	100	N.D.
2,6-Dinitrotoluene	100	N.D.
Di-N-octyl phthalate	100	N.D.
Fluoranthene	100	N.D.
Fluorene	100	N.D.

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Development	Client Project ID:	Chevron #9-3283	Sampled: Apr 19, 1996
781 Kingston Ave.	Sample Descript:	Soil, WO-N-9.5	Received: Apr 22, 1996
Oakland, CA 94611	Analysis Method:	EPA 8270	Extracted: Apr 22, 1996
Attention: Robert Mallory	Lab Number:	604-1533	Analyzed: Apr 24, 1996
			Reported: Apr 25, 1996

QC Batch Number: SP0422968270EXA

Instrument ID: GC/MS-1

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Hexachlorobenzene	100	N.D.
Hexachlorobutadiene	100	N.D.
Hexachlorocyclopentadiene	100	N.D.
Hexachloroethane	100	N.D.
Indeno(1,2,3-cd)pyrene	100	N.D.
Isophorone	100	N.D.
2-Methylnaphthalene	100	N.D.
2-Methylphenol	100	N.D.
4-Methylphenol	100	N.D.
Naphthalene	100	N.D.
2-Nitroaniline	500	N.D.
3-Nitroaniline	500	N.D.
4-Nitroaniline	500	N.D.
Nitrobenzene	100	N.D.
2-Nitrophenol	100	N.D.
4-Nitrophenol	500	N.D.
N-Nitrosodimethylamine	100	N.D.
N-Nitrosodiphenylamine	100	N.D.
N-Nitroso-di-N-propylamine	100	N.D.
Pentachlorophenol	500	N.D.
Phenanthrene	100	N.D.
Phenol	100	N.D.
Pyrene	100	N.D.
1,2,4-Trichlorobenzene	100	N.D.
2,4,5-Trichlorophenol	500	N.D.
2,4,6-Trichlorophenol	100	N.D.

Surrogates	Control Limit %		% Recovery
2-Fluorophenol	25	121	61
Phenol-d6	24	113	69
Nitrobenzene-d5	23	120	73
2-Fluorobiphenyl	30	115	75
2,4,6-Tribromophenol	19	122	82
4-Terphenyl-d14	18	137	69

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

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Development	Client Project ID:	Chevron #9-3283	Sampled: Apr 19, 1996
781 Kingston Ave.	Sample Descript:	Soil, OWS-1-5.0	Received: Apr 22, 1996
Oakland, CA 94611	Analysis Method:	EPA 8270	Extracted: Apr 22, 1996
Attention: Robert Mallory	Lab Number:	604-1534	Analyzed: Apr 24, 1996
			Reported: Apr 25, 1996

QC Batch Number: SP0422968270EXA

Instrument ID: GC/MS-1

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Acenaphthene	1,000	N.D.
Acenaphthylene	1,000	N.D.
Aniline	1,000	N.D.
Anthracene	1,000	N.D.
Benzidine	25,000	N.D.
Benzoic Acid	5,000	N.D.
Benzo(a)anthracene	1,000	N.D.
Benzo(b)fluoranthene	1,000	N.D.
Benzo(k)fluoranthene	1,000	N.D.
Benzo(g,h,i)perylene	1,000	N.D.
Benzo(a)pyrene	1,000	N.D.
Benzyl alcohol	1,000	N.D.
Bis(2-chloroethoxy)methane	1,000	N.D.
Bis(2-chloroethyl)ether	1,000	N.D.
Bis(2-chloroisopropyl)ether	1,000	N.D.
Bis(2-ethylhexyl)phthalate	5,000	N.D.
4-Bromophenyl phenyl ether	1,000	N.D.
Butyl benzyl phthalate	1,000	N.D.
4-Chloroaniline	1,000	N.D.
2-Chloronaphthalene	1,000	N.D.
4-Chloro-3-methylphenol	1,000	N.D.
2-Chlorophenol	1,000	N.D.
4-Chlorophenyl phenyl ether	1,000	N.D.
Chrysene	1,000	N.D.
Dibenz(a,h)anthracene	1,000	N.D.
Dibenzofuran	1,000	N.D.
Di-N-butyl phthalate	5,000	N.D.
1,3-Dichlorobenzene	**1,000**	**1,200**
1,4-Dichlorobenzene	1,000	N.D.
1,2-Dichlorobenzene	**1,000**	**1,700**
3,3-Dichlorobenzidine	5,000	N.D.
2,4-Dichlorophenol	1,000	N.D.
Diethyl phthalate	1,000	N.D.
2,4-Dimethylphenol	1,000	N.D.
Dimethyl phthalate	1,000	N.D.
4,6-Dinitro-2-methylphenol	5,000	N.D.
2,4-Dinitrophenol	5,000	N.D.
2,4-Dinitrotoluene	1,000	N.D.
2,6-Dinitrotoluene	1,000	N.D.
Di-N-octyl phthalate	1,000	N.D.
Fluoranthene	1,000	N.D.
Fluorene	1,000	N.D.

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Development
781 Kingston Ave.
Oakland, CA 94611
Attention: Robert Mallory

Client Project ID: Chevron #9-3283
Sample Descript: Soil, OWS-1-5.0
Analysis Method: EPA 8270
Lab Number: 604-1534

Sampled: Apr 19, 1996
Received: Apr 22, 1996
Extracted: Apr 22, 1996
Analyzed: Apr 24, 1996
Reported: Apr 25, 1996

QC Batch Number: SP0422968270EXA
Instrument ID: GC/MS-1

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Hexachlorobenzene	1,000	N.D.
Hexachlorobutadiene	1,000	N.D.
Hexachlorocyclopentadiene	1,000	N.D.
Hexachloroethane	1,000	N.D.
Indeno(1,2,3-cd)pyrene	1,000	N.D.
Isophorone	1,000	N.D.
2-Methylnaphthalene	**1,000**	**6,800**
2-Methylphenol	1,000	N.D.
4-Methylphenol	1,000	N.D.
Naphthalene	**1,000**	**6,000**
2-Nitroaniline	5,000	N.D.
3-Nitroaniline	5,000	N.D.
4-Nitroaniline	5,000	N.D.
Nitrobenzene	1,000	N.D.
2-Nitrophenol	1,000	N.D.
4-Nitrophenol	5,000	N.D.
N-Nitrosodimethylamine	1,000	N.D.
N-Nitrosodiphenylamine	1,000	N.D.
N-Nitroso-di-N-propylamine	1,000	N.D.
Pentachlorophenol	5,000	N.D.
Phenanthrene	1,000	N.D.
Phenol	1,000	N.D.
Pyrene	1,000	N.D.
1,2,4-Trichlorobenzene	1,000	N.D.
2,4,5-Trichlorophenol	5,000	N.D.
2,4,6-Trichlorophenol	1,000	N.D.

Surrogates	Control Limit %		% Recovery
2-Fluorophenol	25	121	74
Phenol-d6	24	113	74
Nitrobenzene-d5	23	120	62
2-Fluorobiphenyl	30	115	79
2,4,6-Tribromophenol	19	122	58
4-Terphenyl-d14	18	137	85

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Development	Client Project ID:	Chevron #9-3283	Sampled:	Apr 19, 1996
781 Kingston Ave.	Sample Descript:	Soil, WO-S-9.0	Received:	Apr 22, 1996
Oakland, CA 94611			Digested:	Apr 22, 1996
Attention: Robert Mallory	Lab Number:	604-1532	Analyzed:	Apr 23, 1996
			Reported:	Apr 25, 1996

LUFT METALS

Analyte	Detection Limit mg/kg	Sample Results mg/kg	QC Batch Number	Instrument ID
Cadmium	0.50	N.D.	ME0422966010MDA	MV-3
Chromium	0.50	23	ME0422966010MDA	MV-3
Lead	1.0	4.1	ME0422966010MDA	MV-3
Nickel	1.0	36	ME0422966010MDA	MV-3
Zinc	1.0	34	ME0422966010MDA	MV-3

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

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Development	Client Project ID:	Chevron #9-3283	Sampled: Apr 19, 1996
781 Kingston Ave.	Sample Descript:	Soil, WO-N-9.5	Received: Apr 22, 1996
Oakland, CA 94611			Digested: Apr 22, 1996
Attention: Robert Mallory	Lab Number:	604-1533	Analyzed: Apr 23, 1996
			Reported: Apr 25, 1996

LUFT METALS

Analyte	Detection Limit mg/kg	Sample Results mg/kg	QC Batch Number	Instrument ID
Cadmium	0.50	N.D.	ME0422966010MDA	MV-3
Chromium	0.50	33	ME0422966010MDA	MV-3
Lead	1.0	4.1	ME0422966010MDA	MV-3
Nickel	1.0	45	ME0422966010MDA	MV-3
Zinc	1.0	37	ME0422966010MDA	MV-3

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

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Development	Client Project ID:	Chevron #9-3283	Sampled:	Apr 19, 1996
781 Kingston Ave.	Sample Descript:	Soil, OWS-1.5.0	Received:	Apr 22, 1996
Oakland, CA 94611			Digested:	Apr 22, 1996
Attention: Robert Mallory	Lab Number:	604-1534	Analyzed:	Apr 23, 1996
			Reported:	Apr 25, 1996

LUFT METALS

Analyte	Detection Limit mg/kg	Sample Results mg/kg	QC Batch Number	Instrument ID
Cadmium	0.50	N.D.	ME0422966010MDA	MV-3
Chromium	0.50	23	ME0422966010MDA	MV-3
Lead	1.0	4.0	ME0422966010MDA	MV-3
Nickel	1.0	26	ME0422966010MDA	MV-3
Zinc	1.0	20	ME0422966010MDA	MV-3

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

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Development
781 Kingston Ave.
Oakland, CA 94611
Attention: Robert Mallory

Client Project ID: Chevron #9-3283
Matrix: Solid
QC Sample Group: 6041532-537
Reported: Apr 25, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Diesel	Oil & Grease
QC Batch#:	SP042296	SP042296	SP042296	SP042296	SP042296	SP042296
	8020EXA	8020EXA	8020EXA	8020EXA	8015EXA	5520MDA
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015	SM 5520
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 3550	SM 5520
Analyst:	M.Brewer	M.Brewer	M.Brewer	M.Brewer	J. Dinsay	D.Newcomb
MS/MSD #:	6040871	6040871	6040871	6040871	6041533	6041533
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	4/22/96	4/22/96	4/22/96	4/22/96	4/22/96	4/22/96
Analyzed Date:	4/22/96	4/22/96	4/22/96	4/22/96	4/22/96	4/22/96
Instrument I.D.#:	HP-5	HP-5	HP-5	HP-5	GCHP-3A	Manual
Conc. Spiked:	0.40 mg/kg	0.40 mg/kg	0.40 mg/kg	1.2 mg/kg	10 mg/kg	5000 mg/kg
Result:	0.44	0.44	0.46	1.4	10	5200
MS % Recovery:	110	110	115	117	100	104
Dup. Result:	0.42	0.41	0.43	1.3	9.8	4900
MSD % Recov.:	105	103	108	108	98	98
RPD:	4.7	7.1	6.7	7.4	2.0	5.9
RPD Limit:	0-50	0-50	0-50	0-50	0-50	0-30

LCS #:	5LCS042296	5LCS042296	5LCS042296	5LCS042296	LCS042296	BLK042296
Prepared Date:	4/22/96	4/22/96	4/22/96	4/22/96	4/22/96	4/22/96
Analyzed Date:	4/22/96	4/22/96	4/22/96	4/22/96	4/22/96	4/22/96
Instrument I.D.#:	HP-5	HP-5	HP-5	HP-5	HP-3A	Manual
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	10 mg/kg	5000 mg/kg
LCS Result:	18	18	19	56	10	4600
LCS % Recov.:	90	90	95	93	100	92

MS/MSD LCS Control Limits	55-145	47-149	47-155	56-140	50-150	60-140

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

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

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Development
781 Kingston Ave.
Oakland, CA 94611
Attention: Robert Mallory

Client Project ID: Chevron #9-3283
Matrix: Solid
QC Sample Group: 6041532-537

Reported: Apr 25, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	SP042396	SP042396	SP042396	SP042396
Analy. Method:	8020EXA EPA 8020	8020EXA EPA 8020	8020EXA EPA 8020	8020EXA EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	M.Brewer	M.Brewer	M.Brewer	M.Brewer
MS/MSD #:	6041023	6041023	6041023	6041023
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	4/23/96	4/23/96	4/23/96	4/23/96
Analyzed Date:	4/23/96	4/23/96	4/23/96	4/23/96
Instrument I.D.#:	HP-4	HP-4	HP-4	HP-4
Conc. Spiked:	0.40 mg/kg	0.40 mg/kg	0.40 mg/kg	1.2 mg/kg
Result:	0.48	0.51	0.48	1.5
MS % Recovery:	120	128	120	125
Dup. Result:	0.53	0.54	0.52	1.6
MSD % Recov.:	133	135	130	133
RPD:	9.9	5.7	8.0	6.5
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:	4LCS042396	4LCS042396	4LCS042396	4LCS042396
Prepared Date:	4/23/96	4/23/96	4/23/96	4/23/96
Analyzed Date:	4/23/96	4/23/96	4/23/96	4/23/96
Instrument I.D.#:	HP-4	HP-4	HP-4	HP-4
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
LCS Result:	17	17	16	51
LCS % Recov.:	85	85	80	85

MS/MSD LCS Control Limits	55-145	47-149	47-155	56-140

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

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

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Development
781 Kingston Ave.
Oakland, CA 94611
Attention: Robert Mallory

Client Project ID: Chevron #9-3283
Matrix: Solid
QC Sample Group: 6041532-537

Reported: Apr 25, 1996

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
QC Batch#:	GC042296	GC042296	GC042296
	801006A	801006A	801006A
Analy. Method:	EPA 8010	EPA 8010	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030
Analyst:	I. Dalvand	I. Dalvand	I. Dalvand
MS/MSD #:	6041532	6041532	6041532
Sample Conc.:	N.D.	N.D.	N.D.
Prepared Date:	4/22/96	4/22/96	4/22/96
Analyzed Date:	4/22/96	4/22/96	4/22/96
Instrument I.D.#:	HP-6	HP-6	HP-6
Conc. Spiked:	100 µg/kg	100 µg/kg	100 µg/kg
Result:	89	87	73
MS % Recovery:	89	87	73
Dup. Result:	90	87	72
MSD % Recov.:	90	87	72
RPD:	1.1	0.0	1.4
RPD Limit:	0-30	0-30	0-30

LCS #:	LCS042296	LCS042296	LCS042296
Prepared Date:	4/22/96	4/22/96	4/22/96
Analyzed Date:	4/22/96	4/22/96	4/22/96
Instrument I.D.#:	HP-6	HP-6	HP-6
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L
LCS Result:	9.1	9.2	8.2
LCS % Recov.:	91	92	82

MS/MSD LCS Control Limits	28-167	35-146	38-150

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

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

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Development
781 Kingston Ave.
Oakland, CA 94611
Attention: Robert Mallory

Client Project ID: Chevron #9-3283
Matrix: Solid
QC Sample Group: 6041532-537
Reported: Apr 25, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Phenol	2-Chlorophenol	1,4-Dichloro benzene	N-Nitroso-Di-N-propylamine	1,2,4-Trichloro benzene	4-Chloro-3 Methylphenol
QC Batch#:	SP042296	SP042296	SP042296	SP042296	SP042296	SP042296
	8270EXA	8270EXA	8270EXA	8270EXA	8270EXA	8270EXA
Analy. Method:	EPA 8270	EPA 8270	EPA 8270	EPA 8270	EPA 8270	EPA 8270
Prep. Method:	EPA 3550	EPA 3550	EPA 3550	EPA 3550	EPA 3550	EPA 3550
Analyst:	T. Granicher	T. Granicher	T. Granicher	T. Granicher	T. Granicher	T. Granicher
MS/MSD #:	6041533	6041533	6041533	6041533	6041533	6041533
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	4/22/96	4/22/96	4/22/96	4/22/96	4/22/96	4/22/96
Analyzed Date:	4/24/96	4/24/96	4/24/96	4/24/96	4/24/96	4/24/96
Instrument I.D.#:	GC/MS-1	GC/MS-1	GC/MS-1	GC/MS-1	GC/MS-1	GC/MS-1
Conc. Spiked:	5000 µg/kg	5000 µg/kg	2500 µg/kg	2500 µg/kg	2500 µg/kg	5000 µg/kg
Result:	3400	3700	1800	1900	2000	3900
MS % Recovery:	67	73	72	74	80	78
Dup. Result:	3400	3600	1800	1900	2100	4100
MSD % Recov.:	68	72	72	76	82	81
RPD:	1.5	1.4	0.0	2.7	2.5	3.8
RPD Limit:	0-35	0-50	0-27	0-38	0-23	0-33

LCS #:	LCS042296	LCS042296	LCS042296	LCS042296	LCS042296	LCS042296
Prepared Date:	4/22/96	4/22/96	4/22/96	4/22/96	4/22/96	4/22/96
Analyzed Date:	4/24/96	4/24/96	4/24/96	4/24/96	4/24/96	4/24/96
Instrument I.D.#:	GC/MS-1	GC/MS-1	GC/MS-1	GC/MS-1	GC/MS-1	GC/MS-1
Conc. Spiked:	5000 µg/kg	5000 µg/kg	2500 µg/kg	2500 µg/kg	2500 µg/kg	5000 µg/kg
LCS Result:	3800	4100	2100	2100	2300	4300
LCS % Recov.:	75	81	82	84	90	86

MS/MSD LCS Control Limits	15-115	30-120	30-120	30-120	40-120	40-120

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

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

6041532.TUD <20>

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Development
781 Kingston Ave.
Oakland, CA 94611
Attention: Robert Mallory

Client Project ID: Chevron #9-3283
Matrix: Solid
QC Sample Group: 6041532-537

Reported: Apr 25, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Acenaphthene	4-Nitrophenol	2,4-Dinitro-toluene	Pentachloro-phenol	Pyrene
QC Batch#:	SP042296	SP042296	SP042296	SP042296	SP042296
	8270EXA	8270EXA	8270EXA	8270EXA	8270EXA
Analy. Method:	EPA 8270	EPA 8270	EPA 8270	EPA 8270	EPA 8270
Prep. Method:	EPA 3550	EPA 3550	EPA 3550	EPA 3550	EPA 3550
Analyst:	T. Granicher	T. Granicher	T. Granicher	T. Granicher	T. Granicher
MS/MSD #:	6041533	6041533	6041533	6041533	6041533
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	4/22/96	4/22/96	4/22/96	4/22/96	4/22/96
Analyzed Date:	4/24/96	4/24/96	4/24/96	4/24/96	4/24/96
Instrument I.D.#:	GC/MS-1	GC/MS-1	GC/MS-1	GC/MS-1	GC/MS-1
Conc. Spiked:	2500 µg/kg	5000 µg/kg	2500 µg/kg	5000 µg/kg	2500 µg/kg
Result:	1900	3000	1500	3500	2000
MS % Recovery:	76	59	58	70	80
Dup. Result:	1900	3300	1500	3700	2000
MSD % Recov.:	76	65	60	74	78
RPD:	0.0	9.7	3.4	5.6	2.5
RPD Limit:	0-19	0-50	0-47	0-47	0-36
LCS #:	LCS042296	LCS042296	LCS042296	LCS042296	LCS042296
Prepared Date:	4/22/96	4/22/96	4/22/96	4/22/96	4/22/96
Analyzed Date:	4/24/96	4/24/96	4/24/96	4/24/96	4/24/96
Instrument I.D.#:	GC/MS-1	GC/MS-1	GC/MS-1	GC/MS-1	GC/MS-1
Conc. Spiked:	2500 µg/kg	5000 µg/kg	2500 µg/kg	5000 µg/kg	2500 µg/kg
LCS Result:	2100	3400	1700	4000	2100
LCS % Recov.:	84	67	66	80	82
MS/MSD LCS Control Limits	50-140	20-120	20-120	30-110	50-115

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

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

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Development
781 Kingston Ave.
Oakland, CA 94611
Attention: Robert Mallory

Client Project ID: Chevron #9-3283
Matrix: Solid
QC Sample Group: 6041532-537

Reported: Apr 25, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Cadmium	Chromium	Lead	Nickel	Zinc
QC Batch#:	ME042296	ME042296	ME042296	ME042296	ME042296
	6010MDA	6010MDA	6010MDA	6010MDA	6010MDA
Analy. Method:	EPA 6010	EPA 6010	EPA 6010	EPA 6010	EPA 6010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	J. Kelly	J. Kelly	J. Kelly	J. Kelly	J. Kelly
MS/MSD #:	6041534	6041534	6041534	6041534	6041534
Sample Conc.:	N.D.	23 mg/kg	4.0 mg/kg	26 mg/kg	20 mg/kg
Prepared Date:	4/22/96	4/22/96	4/22/96	4/22/96	4/22/96
Analyzed Date:	4/23/96	4/23/96	4/23/96	4/23/96	4/23/96
Instrument I.D.#:	MV-3	MV-3	MV-3	MV-3	MV-3
Conc. Spiked:	50 mg/kg	50 mg/kg	50 mg/kg	50 mg/kg	50 mg/kg
Result:	58	91	65	94	82
MS % Recovery:	116	136	122	136	124
Dup. Result:	49	75	54	74	69
MSD % Recov.:	98	104	100	96	98
RPD:	17	19	18	24	17
RPD Limit:	0-20	0-20	0-20	0-20	0-20

LCS #:	BLK042296	BLK042296	BLK042296	BLK042296	BLK042296
Prepared Date:	4/22/96	4/22/96	4/22/96	4/22/96	4/22/96
Analyzed Date:	4/23/96	4/23/96	4/23/96	4/23/96	4/23/96
Instrument I.D.#:	MV-3	MV-3	MV-3	MV-3	MV-3
Conc. Spiked:	50 mg/kg	50 mg/kg	50 mg/kg	50 mg/kg	50 mg/kg
LCS Result:	49	52	52	51	46
LCS % Recov.:	98	104	104	102	92

MS/MSD LCS Control Limits	75-125	75-125	75-125	75-125	75-125

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

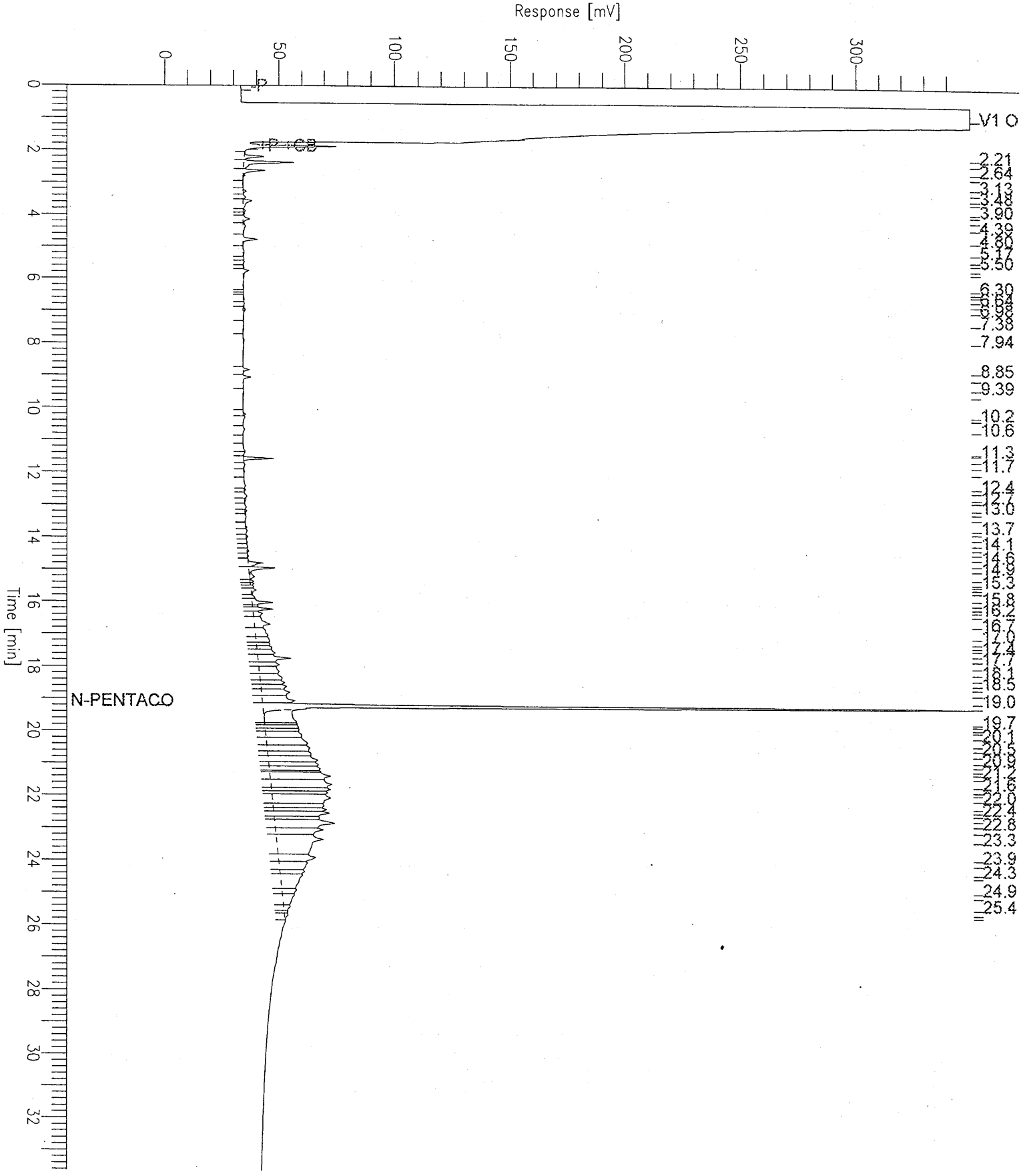
Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire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

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

Chromatogram

Sample Name : TOUCHSTONE
FileName : J:\HP3DATA\3BAP320.RAW
Method :
Start Time : 0.00 min End Time : 33.65 min
Scale Factor: 0.0 Plot Offset: 0 mV

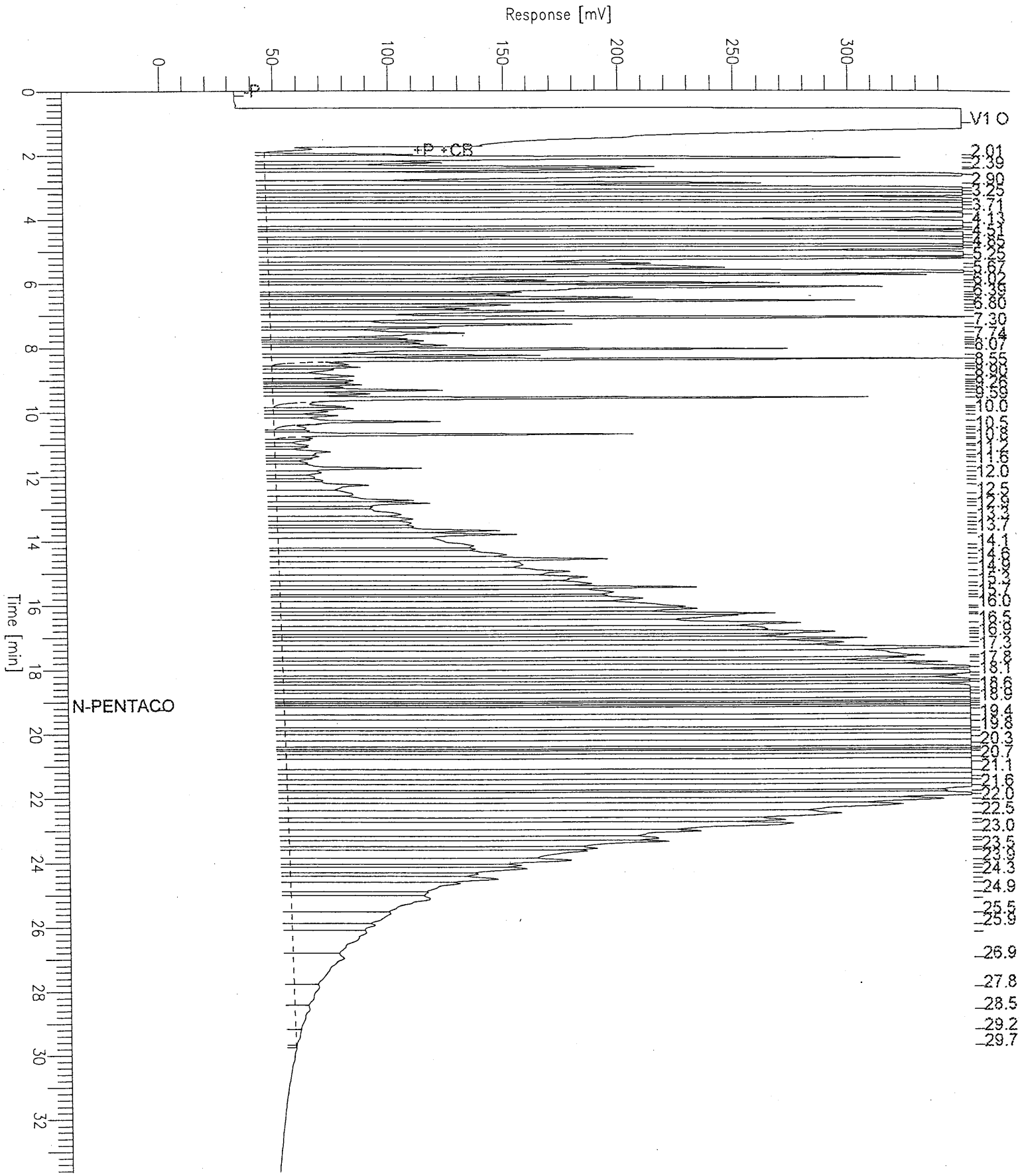
Sample #: 6041532 Page 1 of 1
Date : 4/23/96 9:52 AM
Time of Injection: 4/22/96 8:16 PM
Low Point : 0.00 mV High Point : 350.00 mV
Plot Scale: 350.0 mV



Chromatogram

Sample Name : TOUCHSTONE
FileName : J:\HP3DATA\3BAP321.RAW
Method :
Start Time : 0.00 min End Time : 33.65 min
Scale Factor: 0.0 Plot Offset: 0 mV

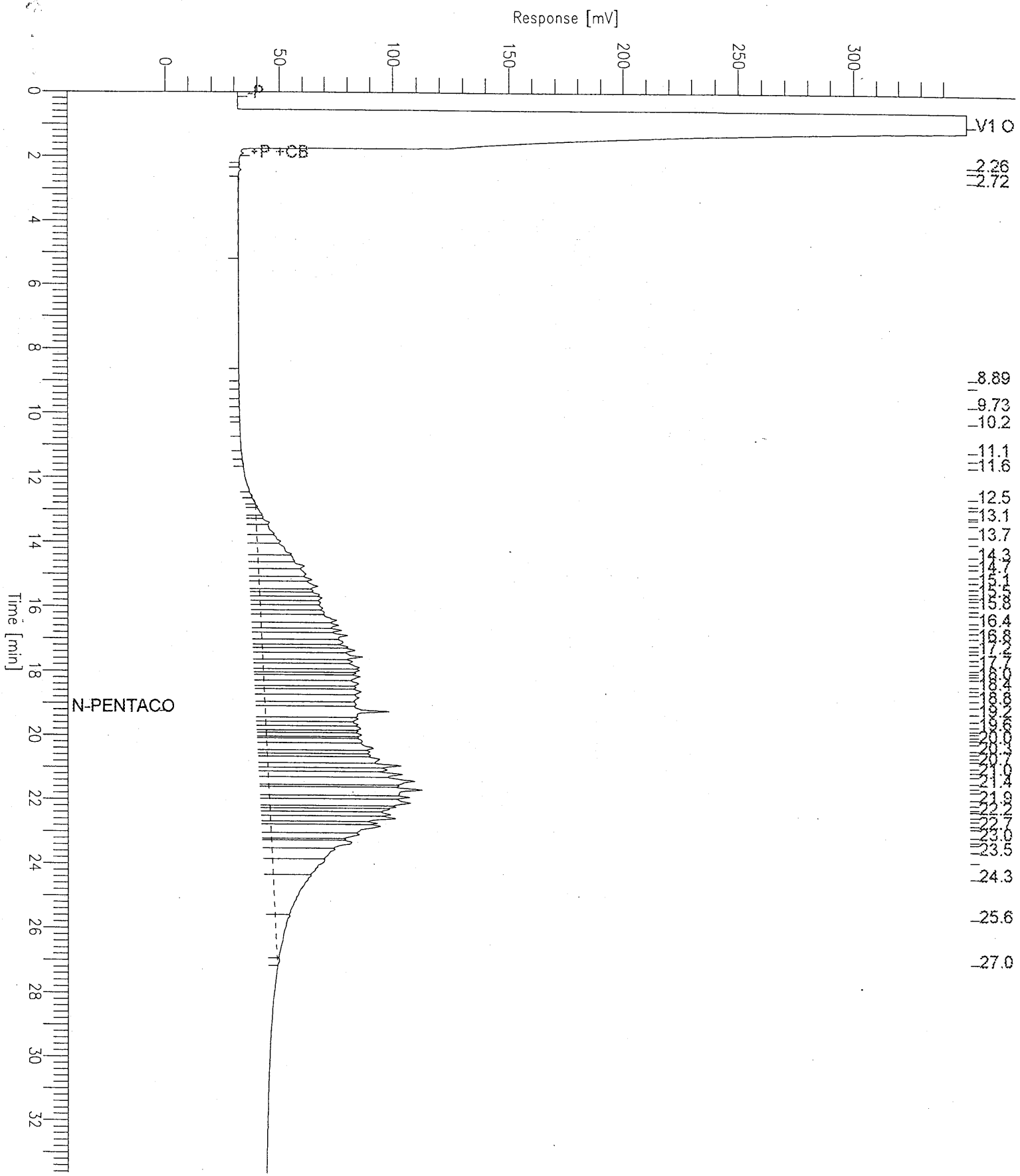
Sample #: 6041534 Page 1 of 1
Date : 4/23/96 9:53 AM
Time of Injection: 4/22/96 8:58 PM
Low Point : 0.00 mV High Point : 350.00 mV
Plot Scale: 350.0 mV



Chromatogram

Sample Name : TOUCHSTONE
FileName : J:\HP3DATA\3BAP329.RAW
Method :
Start Time : 0.00 min End Time : 33.65 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: 6041537RS Page 1 of 1
Date : 4/23/96 9:53 AM
Time of Injection: 4/23/96 9:10 AM
Low Point : 0.00 mV High Point : 350.00 mV
Plot Scale: 350.0 mV



Fax copy of Lab Report and COC to Chevron Contact: ☐ Yes ☐ No 960433 **Chain-of-Custody-Record**

Chevron U.S.A. Inc. P.O. BOX 5004 San Ramon, CA 94583 FAX (415)842-9591	Chevron Facility Number 9-3283 Facility Address 3005 GROVE WAY, CASTRO VALLEY, CA. Consultant Project Number 9-3283 Consultant Name TOUCHSTONE DEVELOPMENTS Address 781 KINGSTON AVE., OAKLAND, CA. Project Contact (Name) ROBERT MALLORY (Phone) (510) 658-6872 (Fax Number) (510) 658-6872
	Chevron Contact (Name) PHIL BRIGGS (Phone) (510) 842- Laboratory Name SEQUOIA Laboratory Release Number 6371350 Samples Collected by (Name) ROBERT C. MALLORY Collection Date 4/19/96 Signature Robert C. Mallory

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed: BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)	TPH- HYDROCARBON OIL				Remarks
WO-S-9.0		1	S	D	13:33		Y	X	X	X	X			X	X		6041532			
WO-N-9.5		1	S	D	13:37		Y	X	X	X	X			X	X		6041533			
OWS-1-5.0		1	S	D	13:43		Y	X	X	X	X			X	X		6041534			RUN 24 HR TAT.
H-1-8.5		1	S	D	13:57		Y									X	6041535			
H2-9.5		1	S	D	15:23		Y									X	6041536			
HR-1-6.0		1	S	D	14:13		Y									X	6041537			
OOX-1-7.0		1	S	D	13:50		Y													HOLD
																				E1107

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Turn Around Time (Circle Choice)
[signature]	TD	4/22/96 1048				24 Hrs. 48 Hrs. 5 Days 10 Days As Contracted
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time 4/22/96 1048	

COC-3.DWG/03 91/HCH

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Developments	Client Project ID:	Chevron #9-3283	Sampled: Apr 19, 1996
781 Kingston Avenue	Sample Matrix:	Soil	Relogged: Apr 23, 1996
Oakland, CA 94611	Analysis Method:	EPA 5030/8015 Mod./8020	Reported: May 2, 1996
Attention: Robert Mallory	First Sample #:	604-1721	

QC Batch Number: SP050196

8020EXA

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit mg/kg	Sample I.D. 604-1721 OOX-1-9.0
Purgeable Hydrocarbons	1.0	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Total Xylenes	0.0050	N.D.
Chromatogram Pattern:		--

Quality Control Data

Report Limit Multiplication Factor:	1.0
Date Analyzed:	5/1/96
Instrument Identification:	HP-4
Surrogate Recovery, %: (QC Limits = 70-130%)	107

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Developments	Client Project ID:	Chevron #9-3283	Sampled: Apr 19, 1996
781 Kingston Avenue	Sample Matrix:	Soil	Relogged: Apr 23, 1996
Oakland, CA 94611	Analysis Method:	EPA 3550/8015 Mod.	Reported: May 2, 1996
Attention: Robert Mallory	First Sample #:	604-1721	

QC Batch Number: SP042996

8015EXA

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

Analyte	Reporting Limit mg/kg	Sample I.D. 604-1721 OOX-1-9.0
Extractable Hydrocarbons	1.0	N.D.
Chromatogram Pattern:		--

Quality Control Data

Report Limit Multiplication Factor:	1.0
Date Extracted:	4/29/96
Date Analyzed:	4/29/96
Instrument Identification:	HP-3B

Extractable Hydrocarbons are quantitated against a fresh diesel standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Developments	Client Project ID:	Chevron #9-3283	Sampled: Apr 19, 1996
781 Kingston Avenue	Matrix Descript:	Soil	Relogged: Apr 23, 1996
Oakland, CA 94611	Analysis Method:	SM 5520 E&F (Gravimetric)	Extracted: Apr 23, 1996
Attention: Robert Mallory	First Sample #:	604-1721	Analyzed: Apr 23, 1996
			Reported: May 2, 1996

TOTAL RECOVERABLE PETROLEUM OIL

Sample Number	Sample Description	Oil & Grease mg/kg (ppm)	Detection Limit Multiplication Factor	QC Batch Number
604-1721	OOX-1-9.0	N.D.	1.0	SP0422965520EXA

Detection Limits:	50

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

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Developments	Client Project ID:	Chevron #9-3283	Sampled: Apr 19, 1996
781 Kingston Avenue	Sample Descript:	Soil	Relogged: Apr 23, 1996
Oakland, CA 94611	Analysis Method:	EPA 5030/8010	Analyzed: Apr 30, 1996
Attention: Robert Mallory	Lab Number:	604-1721	Reported: May 2, 1996

QC Batch Number: GC043096801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limit %		% Recovery
Dibromodifluoromethane	50	150	49*
4-Bromofluorobenzene	50	150	90

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

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

Please Note:
*Surrogate recovery outside control limits due to matrix interference.

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Developments
781 Kingston Avenue
Oakland, CA 94611
Attention: Robert Mallory

Client Project ID: Chevron #9-3283
Matrix: Solid
QC Sample Group: 6041721

Reported: May 3, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Diesel	Oil & Grease
QC Batch#:	SP050196	SP050196	SP050196	SP050196	SP042996	SP042296
	8020EXA	8020EXA	8020EXA	8020EXA	8015EXA	5520EXA
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015	SM 5520
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 3550	SM 5520
Analyst:	L. Huang	L. Huang	L. Huang	L. Huang	J. Dinsay	D. Newcomb
MS/MSD #:	6041572	6041572	6041572	6041572	6041763	6041553
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	5/1/96	5/1/96	5/1/96	5/1/96	4/29/96	4/22/96
Analyzed Date:	5/1/96	5/1/96	5/1/96	5/1/96	4/29/96	4/23/96
Instrument I.D.#:	HP-4	HP-4	HP-4	HP-4	HP-3A	Manual
Conc. Spiked:	0.40 mg/kg	0.40 mg/kg	0.40 mg/kg	1.2 mg/kg	10 mg/kg	5000 mg/kg
Result:	0.33	0.36	0.35	1.1	10	5200
MS % Recovery:	83	90	88	92	100	104
Dup. Result:	0.37	0.39	0.37	1.2	9.1	4900
MSD % Recov.:	93	98	93	100	91	98
RPD:	11	8.0	5.6	8.7	9.4	5.9
RPD Limit:	0-50	0-50	0-50	0-50	0-50	0-30

LCS #:	4LCS050196	4LCS050196	4LCS050196	4LCS050196	LCS042996	BLK042296
Prepared Date:	5/1/96	5/1/96	5/1/96	5/1/96	4/29/96	4/22/96
Analyzed Date:	5/1/96	5/1/96	5/1/96	5/1/96	4/29/96	4/23/96
Instrument I.D.#:	HP-4	HP-4	HP-4	HP-4	HP-3A	Manual
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	10 mg/kg	5000 mg/kg
LCS Result:	17	18	18	54	8.7	4600
LCS % Recov.:	85	90	90	90	87	92

MS/MSD LCS Control Limits	55-145	47-149	47-155	56-140	50-150	60-140

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

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

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Developments
781 Kingston Avenue
Oakland, CA 94611
Attention: Robert Mallory

Client Project ID: Chevron #9-3283
Matrix: Solid
QC Sample Group: 6041721

Reported: May 2, 1996

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
QC Batch#:	GC043096 801007A	GC043096 801007A	GC043096 801007A
Analy. Method:	EPA 8010	EPA 8010	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030
Analyst:	I. Dalvand	I. Dalvand	I. Dalvand
MS/MSD #:	-	-	-
Sample Conc.:	-	-	-
Prepared Date:	-	-	-
Analyzed Date:	-	-	-
Instrument I.D.#:	-	-	-
Conc. Spiked:	-	-	-
Result:	-	-	-
MS % Recovery:	-	-	-
Dup. Result:	-	-	-
MSD % Recov.:	-	-	-
RPD:	-	-	-
RPD Limit:	-	-	-

LCS #:	LCS043096	LCS043096	LCS043096
Prepared Date:	4/30/96	4/30/96	4/30/96
Analyzed Date:	4/30/96	4/30/96	4/30/96
Instrument I.D.#:	HP-7	HP-7	HP-7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L
LCS Result:	6.2	8.5	8.3
LCS % Recov.:	62	85	83

MS/MSD LCS Control Limits	28-167	35-146	38-150

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

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

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

REQUEST TO RELOG SAMPLES

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

CLIENT: Touchstone Developments MATRIX: Soil 9604389

PREVIOUSLY LOGGED SAMPLES

[X] TAT Change status to: 5-Day

Change status as of Day: 4/23/96 Time: 4:40 PM

[X] CHANGE ANALYSES

Add Analyses [X] Cancel Analyses [ ]

Sequoia Project ID: 9604351

Sample Number	Analyses

SAMPLES ON HOLD

Sample Description	Analyses
OOX-1-9.0	Gas/BTEX; Diesel; EPA 8010; EPA 5520 E&F 6041721

Client Authorization (Person/Date/Time): Robert Mallory 4/23/96 4:40 PM

Project Manager: Kevin Van Slambrook

Fax copy of Lab Report and COC to Chevron Contact: ☐ No 9604389 **Chain-of-Custody-Record**

Chevron U.S.A. Inc. P.O. BOX 5004 San Ramon, CA 94583 FAX (415)842-9591	Chevron Facility Number 9-3283 Facility Address 3005 GROVE WAY, CASTRO VALLEY, CA. Consultant Project Number 9-3283 Consultant Name TOUCHSTONE DEVELOPMENTS Address 781 KINGSTON AVE., OAKLAND, CA. Project Contact (Name) ROBERT MALLORY (Phone) (510) 658-6872 (Fax Number) (510) 658-6872
	Chevron Contact (Name) PHIL BRIGGS (Phone) (510) 842-9604389 Laboratory Name SEQUOIA Laboratory Release Number 637350 Samples Collected by (Name) ROBERT C. MALLORY Collection Date 4/19/96 Signature Robert C. Mallory

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed: BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)	TPH- HYDROCARBON OIL				Remarks
WO-S-9.0		1	S	D	13:33		Y	X	X	X	X			X	X		6041532			
WO-N-9.5		1	S	D	13:37		Y	X	X	X	X			X	X		6041533			
OWS-1-5.0		1	S	D	13:43		Y	X	X	X	X			X	X		6041534			RUN 24 HR TAT.
H-1-8.5		1	S	D	13:57		Y									X	6041535			
H-2-9.5		1	S	D	15:23		Y									X	6041536			
HR-1-6.0		1	S	D	14:13		Y									X	6041537			
OOX-1-7.0		1	S	D	13:50		Y													HOLD

E 1107

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Turn Around Time (Circle Choice)
Robert C. Mallory	D	4/22/96 1048				24 Hrs.
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	(48 Hrs.)
						5 Days
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time	10 Days
					4/22/96 1048	As Contracted

COC-3.DWG/03 91/HCH

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Developments
781 Kingston Ave.
Oakland, CA 94611

Attention: Robert Mallory

Client Proj. ID: Chevron 9-3283 / 9-3283

Lab Proj. ID: 9604H86

Sampled: 04/24/96
Received: 04/25/96
Analyzed: see below

Reported: 05/06/96

LABORATORY ANALYSIS

Analyte	Units	Date Analyzed	Detection Limit	Sample Results
Lab No: 9604H86-01 Sample Desc : **SOLID,OX-1-7.0**				
TRPH (SM 5520 E&F Mod.)	mg/Kg	05/01/96	50	N.D.
Lab No: 9604H86-02 Sample Desc : **SOLID,OX-2-7.0**				
TRPH (SM 5520 E&F Mod.)	mg/Kg	05/01/96	50	N.D.
Lab No: 9604H86-03 Sample Desc : **SOLID,OX-3-7.0**				
TRPH (SM 5520 E&F Mod.)	**mg/Kg**	**05/01/96**	**50**	**290**
Lab No: 9604H86-04 Sample Desc : **SOLID,OX-4-7.0**				
TRPH (SM 5520 E&F Mod.)	mg/Kg	05/01/96	50	N.D.

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Developments	Client Proj. ID: Chevron 9-3283 / 9-3283	Sampled: 04/24/96
781 Kingston Ave.	Sample Descript: OX-1-7.0	Received: 04/25/96
Oakland, CA 94611	Matrix: SOLID	Extracted: 04/30/96
	Analysis Method: EPA 8010	Analyzed: 05/01/96
Attention: Robert Mallory	Lab Number: 9604H86-01	Reported: 05/06/96

QC Batch Number: GC0424968010EXA
Instrument ID: GCHP9

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	93

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Developments
781 Kingston Ave.
Oakland, CA 94611

Attention: Robert Mallory

Client Proj. ID: Chevron 9-3283 / 9-3283
Sample Descript: OX-1-7.0
Matrix: SOLID
Analysis Method: 8015Mod/8020
Lab Number: 9604H86-01

Sampled: 04/24/96
Received: 04/25/96
Extracted: 04/29/96
Analyzed: 05/01/96
Reported: 05/06/96

QC Batch Number: GC042996BTEXEXD
Instrument ID: GCHP22

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	103

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Developments	Client Proj. ID: Chevron 9-3283 / 9-3283	Sampled: 04/24/96
781 Kingston Ave.	Sample Descript: OX-1-7.0	Received: 04/25/96
Oakland, CA 94611	Matrix: SOLID	Extracted: 04/30/96
	Analysis Method: EPA 8015 Mod	Analyzed: 05/01/96
Attention: Robert Mallory	Lab Number: 9604H86-01	Reported: 05/06/96

QC Batch Number: GC0430960HBPEXA
Instrument ID: GCHP4A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel	1.0	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	85

Results quantitated against a diesel standard.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Developments
781 Kingston Ave.
Oakland, CA 94611

Attention: Robert Mallory

Client Proj. ID: Chevron 9-3283 / 9-3283
Sample Descript: OX-2-7.0
Matrix: SOLID
Analysis Method: EPA 8010
Lab Number: 9604H86-02

Sampled: 04/24/96
Received: 04/25/96
Extracted: 04/30/96
Analyzed: 05/01/96
Reported: 05/06/96

QC Batch Number: GC0424968010EXA
Instrument ID: GCHP9

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	97

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Developments	Client Proj. ID: Chevron 9-3283 / 9-3283	Sampled: 04/24/96
781 Kingston Ave.	Sample Descript: OX-2-7.0	Received: 04/25/96
Oakland, CA 94611	Matrix: SOLID	Extracted: 04/29/96
	Analysis Method: 8015Mod/8020	Analyzed: 05/01/96
Attention: Robert Mallory	Lab Number: 9604H86-02	Reported: 05/06/96

QC Batch Number: GC042996BTEXEXD
Instrument ID: GCHP22

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	103

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Developments	Client Proj. ID: Chevron 9-3283 / 9-3283	Sampled: 04/24/96
781 Kingston Ave.	Sample Descript: OX-2-7.0	Received: 04/25/96
Oakland, CA 94611	Matrix: SOLID	Extracted: 04/30/96
	Analysis Method: EPA 8015 Mod	Analyzed: 05/01/96
Attention: Robert Mallory	Lab Number: 9604H86-02	Reported: 05/06/96

QC Batch Number: GC0430960HBPEXA
Instrument ID: GCHP4A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel	**1.0**	**6.7**
Chromatogram Pattern:	**C9-C24**	**Unidentified HC**
Surrogates	**Control Limits %**	**% Recovery**
n-Pentacosane (C25)	50 150	100

Results quantitated against a diesel standard.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Developments	Client Proj. ID: Chevron 9-3283 / 9-3283	Sampled: 04/24/96
781 Kingston Ave.	Sample Descript: OX-3-7.0	Received: 04/25/96
Oakland, CA 94611	Matrix: SOLID	Extracted: 04/30/96
	Analysis Method: EPA 8010	Analyzed: 05/01/96
Attention: Robert Mallory	Lab Number: 9604H86-03	Reported: 05/06/96

QC Batch Number: GC0424968010EXA
Instrument ID: GCHP9

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	98

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Developments	Client Proj. ID: Chevron 9-3283 / 9-3283	Sampled: 04/24/96
781 Kingston Ave.	Sample Descript: OX-3-7.0	Received: 04/25/96
Oakland, CA 94611	Matrix: SOLID	Extracted: 04/29/96
	Analysis Method: 8015Mod/8020	Analyzed: 05/01/96
Attention: Robert Mallory	Lab Number: 9604H86-03	Reported: 05/06/96

QC Batch Number: GC042996BTEXEXD
Instrument ID: GCHP22

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	100

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Developments	Client Proj. ID: Chevron 9-3283 / 9-3283	Sampled: 04/24/96
781 Kingston Ave.	Sample Descript: OX-3-7.0	Received: 04/25/96
Oakland, CA 94611	Matrix: SOLID	Extracted: 04/30/96
	Analysis Method: EPA 8015 Mod	Analyzed: 05/01/96
Attention: Robert Mallory	Lab Number: 9604H86-03	Reported: 05/06/96

QC Batch Number: GC0430960HBPEXA
Instrument ID: GCHP4A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel	**1.0**	**34**
Chromatogram Pattern:	**C9-C24**	**Unidentified HC**

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	137

Results quantitated against a diesel standard.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Developments
781 Kingston Ave.
Oakland, CA 94611

Attention: Robert Mallory

Client Proj. ID: Chevron 9-3283 / 9-3283
Sample Descript: OX-4-7.0
Matrix: SOLID
Analysis Method: EPA 8010
Lab Number: 9604H86-04

Sampled: 04/24/96
Received: 04/25/96
Extracted: 04/30/96
Analyzed: 05/01/96
Reported: 05/06/96

QC Batch Number: GC0424968010EXA
Instrument ID: GCHP9

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	95

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Developments	Client Proj. ID: Chevron 9-3283 / 9-3283	Sampled: 04/24/96
781 Kingston Ave.	Sample Descript: OX-4-7.0	Received: 04/25/96
Oakland, CA 94611	Matrix: SOLID	Extracted: 04/29/96
	Analysis Method: 8015Mod/8020	Analyzed: 05/01/96
Attention: Robert Mallory	Lab Number: 9604H86-04	Reported: 05/06/96

QC Batch Number: GC042996BTEXEXD
Instrument ID: GCHP22

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	**0.0050**	**0.015**
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	92

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Developments
781 Kingston Ave.
Oakland, CA 94611

Attention: Robert Mallory

Client Proj. ID: Chevron 9-3283 / 9-3283
Sample Descript: OX-4-7.0
Matrix: SOLID
Analysis Method: EPA 8015 Mod
Lab Number: 9604H86-04

Sampled: 04/24/96
Received: 04/25/96
Extracted: 04/30/96
Analyzed: 05/01/96
Reported: 05/06/96

QC Batch Number: GC0430960HBPEXA
Instrument ID: GCHP4A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel	1.0	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	93

Results quantitated against a diesel standard.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Developments	Client Proj. ID: Chevron 9-3283 / 9-3283	Received: 04/25/96
781 Kingston Ave.		
Oakland, CA 94611	Lab Proj. ID: 9604H86	Reported: 05/06/96
Attention: Robert Mallory		

LABORATORY NARRATIVE

No issues.

SEQUOIA ANALYTICAL

Kevin Follett
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Development
781 Kingston
Oakland, CA 94611
Attention: Robert Mallory

Client Project ID: Chevron 9-3283/9-3283
Matrix: Solid
Work Order #: 9604H86 -01 - 04
Reported: May 6, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Diesel
QC Batch#:	GC043096HBPEXA
Analy. Method:	EPA 8015 M
Prep. Method:	EPA 3550
Analyst:	J.Hills
MS/MSD #:	9604H86-01
Sample Conc.:	N.D.
Prepared Date:	4/30/96
Analyzed Date:	5/1/96
Instrument I.D.#:	GCHP4A
Conc. Spiked:	25 mg/kg
Result:	6.5
MS % Recovery:	26
Dup. Result:	18
MSD % Recov.:	72
RPD:	94
RPD Limit:	0-50

LCS #:	BLK043096S
Prepared Date:	4/30/96
Analyzed Date:	5/1/96
Instrument I.D.#:	GCHP4A
Conc. Spiked:	25 mg/kg
LCS Result:	13
LCS % Recov.:	52

MS/MSD LCS Control Limits	38-122

SEQUOIA ANALYTICAL

Kevin Follett
Project Manager

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

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Development	Client Project ID:	Chevron 9-3283/9-3283	
781 Kingston	Matrix:	Solid	
Oakland, CA 94611			
Attention: Robert Mallory	Work Order #:	9604H86 -01 - 04	Reported: May 6, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC042996BTEXEXD	GC042996BTEXEXD	GC042996BTEXEXD	GC042996BTEXEXD
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	E. Cunanan	E. Cunanan	E. Cunanan	E. Cunanan
MS/MSD #:	9604I7-04	9604I7-04	9604I7-04	9604I7-04
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	4/29/96	4/29/96	4/29/96	4/29/96
Analyzed Date:	4/29/96	4/29/96	4/29/96	4/29/96
Instrument I.D.#:	GCHP1	GCHP1	GCHP1	GCHP1
Conc. Spiked:	0.20 mg/kg	0.20 mg/kg	0.20 mg/kg	0.60 mg/kg
Result:	0.16	0.17	0.17	0.53
MS % Recovery:	80	85	85	88
Dup. Result:	0.16	0.16	0.16	0.50
MSD % Recov.:	80	80	80	83
RPD:	0.0	6.1	6.1	5.8
RPD Limit:	0-25	0-25	0-25	0-25
LCS #:	GBLK042996BSD	GBLK042996BSD	GBLK042996BSD	GBLK042996BSD
Prepared Date:	4/29/96	4/29/96	4/29/96	4/29/96
Analyzed Date:	4/29/96	4/29/96	4/29/96	4/29/96
Instrument I.D.#:	GCHP1	GCHP1	GCHP1	GCHP1
Conc. Spiked:	0.20 mg/kg	0.20 mg/kg	0.20 mg/kg	0.60 mg/kg
LCS Result:	0.16	0.16	0.17	0.51
LCS % Recov.:	80	80	85	85
MS/MSD LCS Control Limits	70-130	70-130	70-130	70-130

SEQUOIA ANALYTICAL

Kevin Follett
Project Manager

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

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Development
781 Kingston
Oakland, CA 94611
Attention: Robert Mallory

Client Project ID: Chevron 9-3283/9-3283
Matrix: Solid
Work Order #: 9604H86 -01 -04

Reported: May 6, 1996

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
QC Batch#:	GC0424968010EXA	GC0424968010EXA	GC0424968010EXA
Analy. Method:	EPA 8010	EPA 8010	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030
Analyst:	R. Vincent	R. Vincent	R. Vincent
MS/MSD #:	9604D66-01	9604D66-01	9604D66-01
Sample Conc.:	N.D.	N.D.	260
Prepared Date:	4/24/96	4/24/96	4/24/96
Analyzed Date:	4/25/96	4/25/96	4/25/96
Instrument I.D.#:	GCHP9	GCHP9	GCHP9
Conc. Spiked:	25 ug/kg	25 ug/kg	25 ug/kg
Result:	37	52	370
MS % Recovery:	4.0	5.0	11
Dup. Result:	17	25	170
MSD % Recov.:	2.0	3.0	0.0
RPD:	74	70	74
RPD Limit:	0-25	0-25	0-25

LCS #:	VBLK050196BS	VBLK050196BS	VBLK050196BS
Prepared Date:	5/1/96	5/1/96	5/1/96
Analyzed Date:	5/1/96	5/1/96	5/1/96
Instrument I.D.#:	GCHP9	GCHP9	GCHP9
Conc. Spiked:	25 ug/kg	25 ug/kg	25 ug/kg
LCS Result:	22	25	19
LCS % Recov.:	88	100	76
MS/MSD LCS Control Limits	30-140	40-130	40-130

SEQUOIA ANALYTICAL

Kevin Follett
Project Manager

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

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Development	Client Project ID:	Chevron 9-3283/9-3283	
781 Kingston	Matrix:	Solid	
Oakland, CA 94611			
Attention: Robert Mallory	Work Order #:	9604H86 -01 -04	Reported: May 6, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Total Recoverable Pet.Hydrocarbons
QC Batch#:	OP042596SM5520EXA
Analy. Method:	SM 5520 EF Mod
Prep. Method:	EPA 3550

Analyst:	C. Alcayde
MS/MSD #:	9604037-03
Sample Conc.:	2100
Prepared Date:	4/25/96
Analyzed Date:	4/26/96
Instrument I.D.#:	MANUAL
Conc. Spiked:	500 mg/kg
Result:	2000
MS % Recovery:	0.0
Dup. Result:	2800
MSD % Recov.:	140
RPD:	33
RPD Limit:	0-50

LCS #:	BLK043096
Prepared Date:	4/30/96
Analyzed Date:	5/1/96
Instrument I.D.#:	MANUAL
Conc. Spiked:	500 mg/kg
LCS Result:	350
LCS % Recov.:	70

MS/MSD LCS Control Limits	60-140

SEQUOIA ANALYTICAL

Kevin Follett
Project Manager

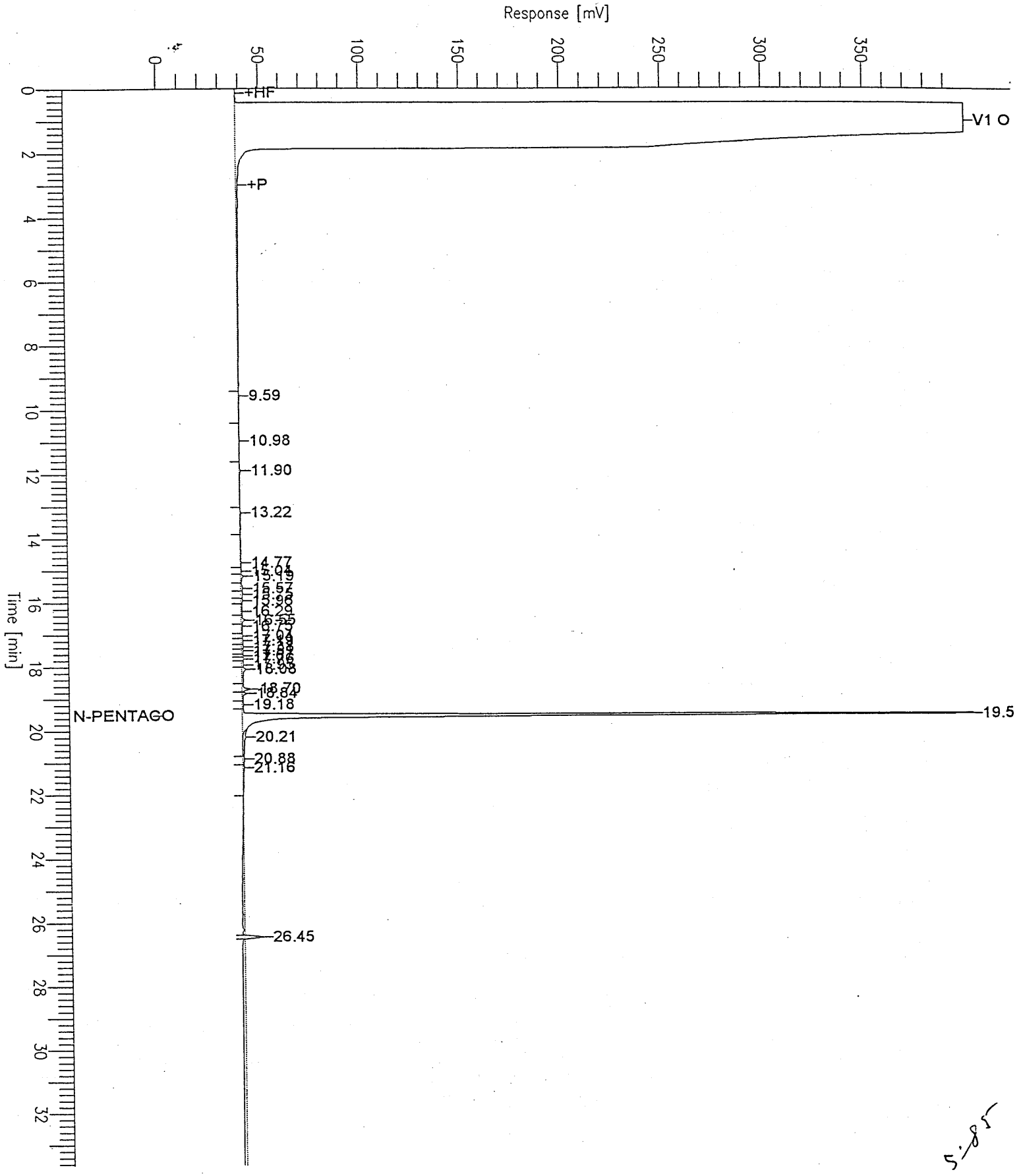
Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire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

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

Chromatogram

Sample Name : D9604H86-1 (20:1)
FileName : S:\GHP_04\0505\501A019.raw
Method : TPH04A
Start Time : 0.00 min End Time : 33.65 min
Scale Factor: 0.0 Plot Offset: 0 mV

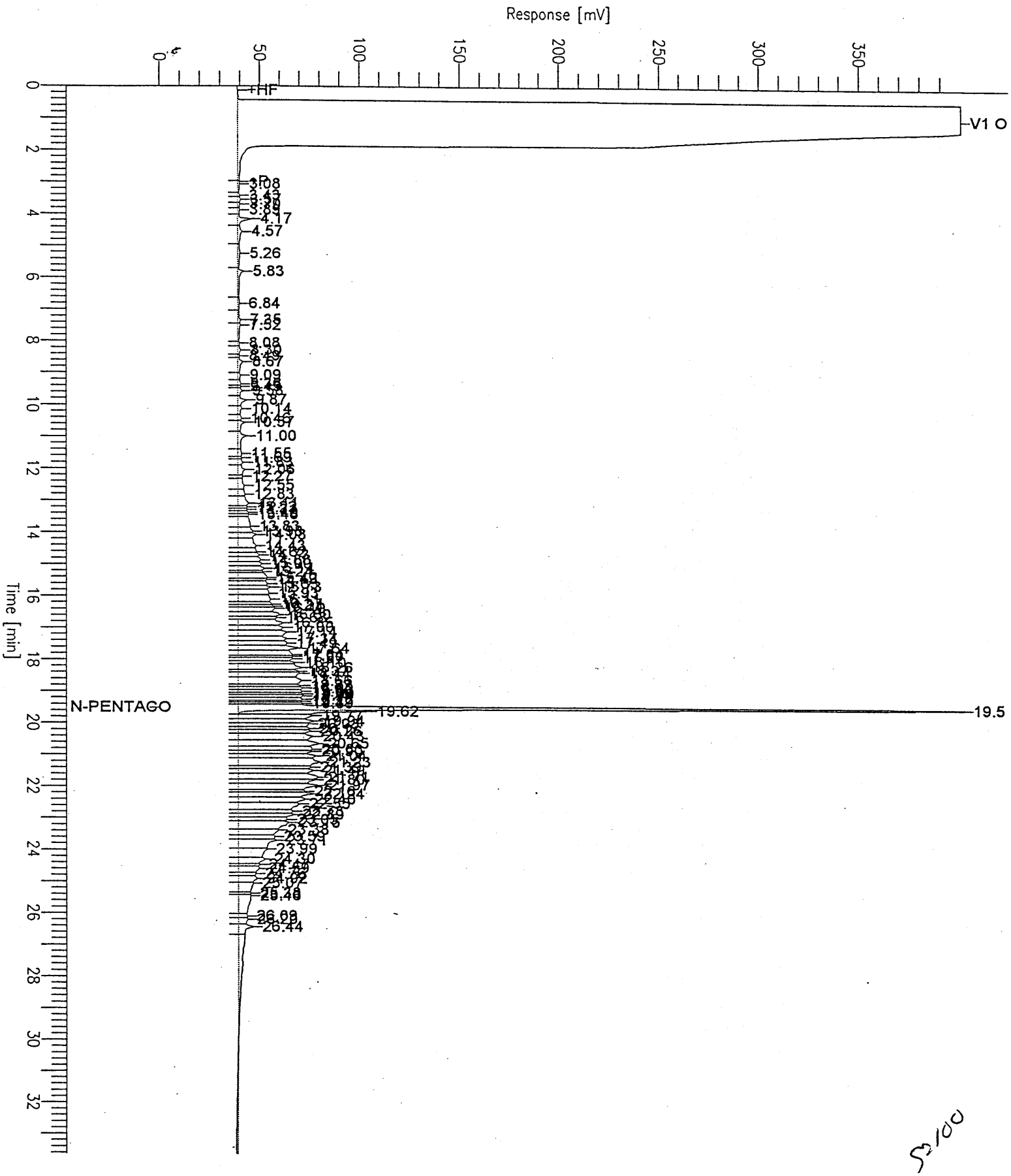
Sample #: OX-1-7.0 Page 1 of 1
Date : 5/1/96 18:00
Time of Injection: 5/1/96 17:26
Low Point : 0.00 mV High Point : 400.00 mV
Plot Scale: 400.0 mV



Chromatogram

Sample Name : D9604H86-2 (20:1)
FileName : S:\GHP_04\0505\501A022.raw
Method : TPH04A
Start Time : 0.00 min End Time : 33.65 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: OX-2-7.0 Page 1 of 1
Date : 5/1/96 20:03
Time of Injection: 5/1/96 19:29
Low Point : 0.00 mV High Point : 400.00 mV
Plot Scale: 400.0 mV

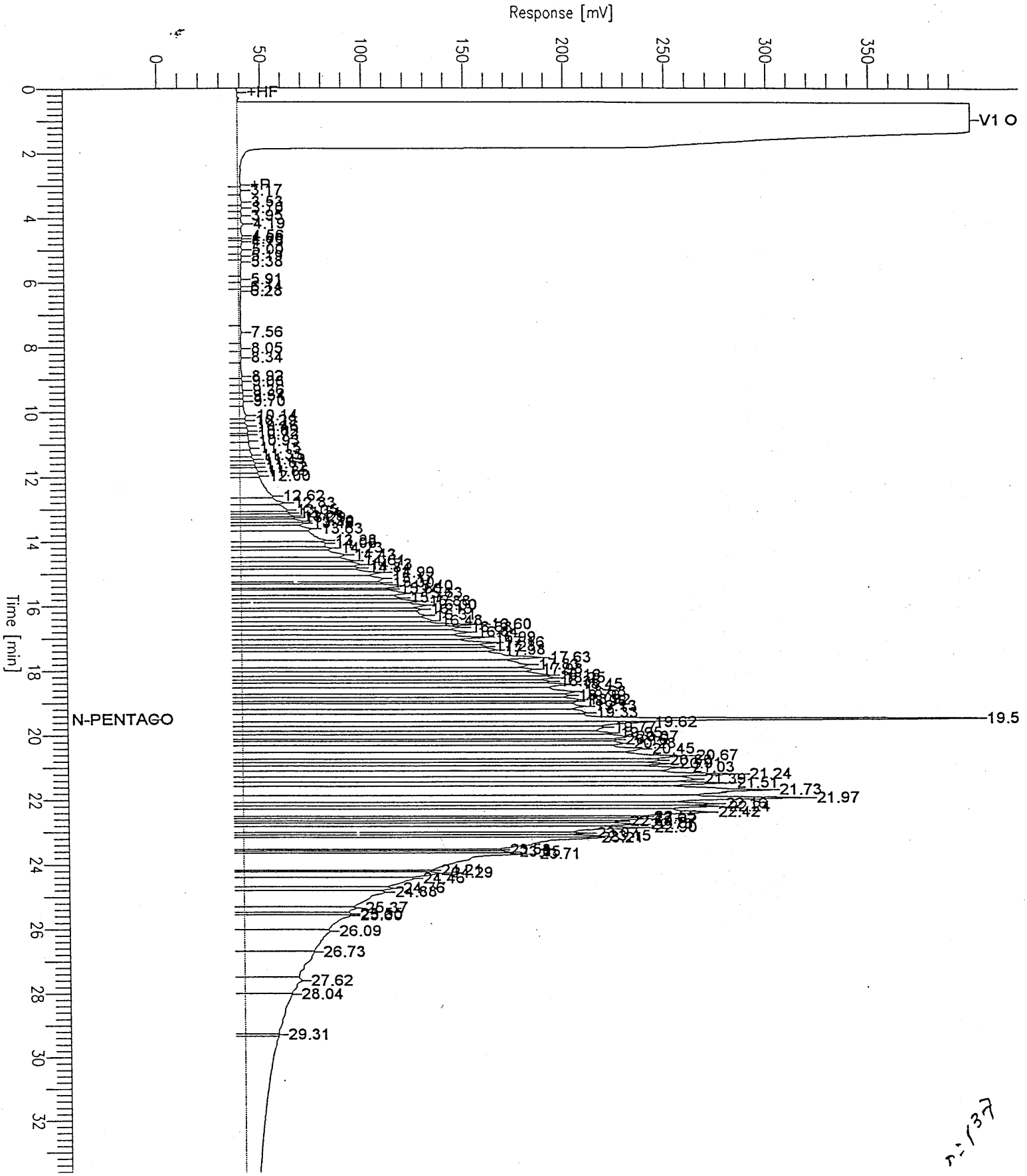


5/100

Chromatogram

Sample Name : D9604H86-3 (20:1)
FileName : S:\GHP_04\0505\501A023.raw
Method : TPH04A
Start Time : 0.00 min End Time : 33.65 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: OX-3-7.0 Page 1 of 1
Date : 5/1/96 20:44
Time of Injection: 5/1/96 20:09
Low Point : 0.00 mV High Point : 400.00 mV
Plot Scale: 400.0 mV

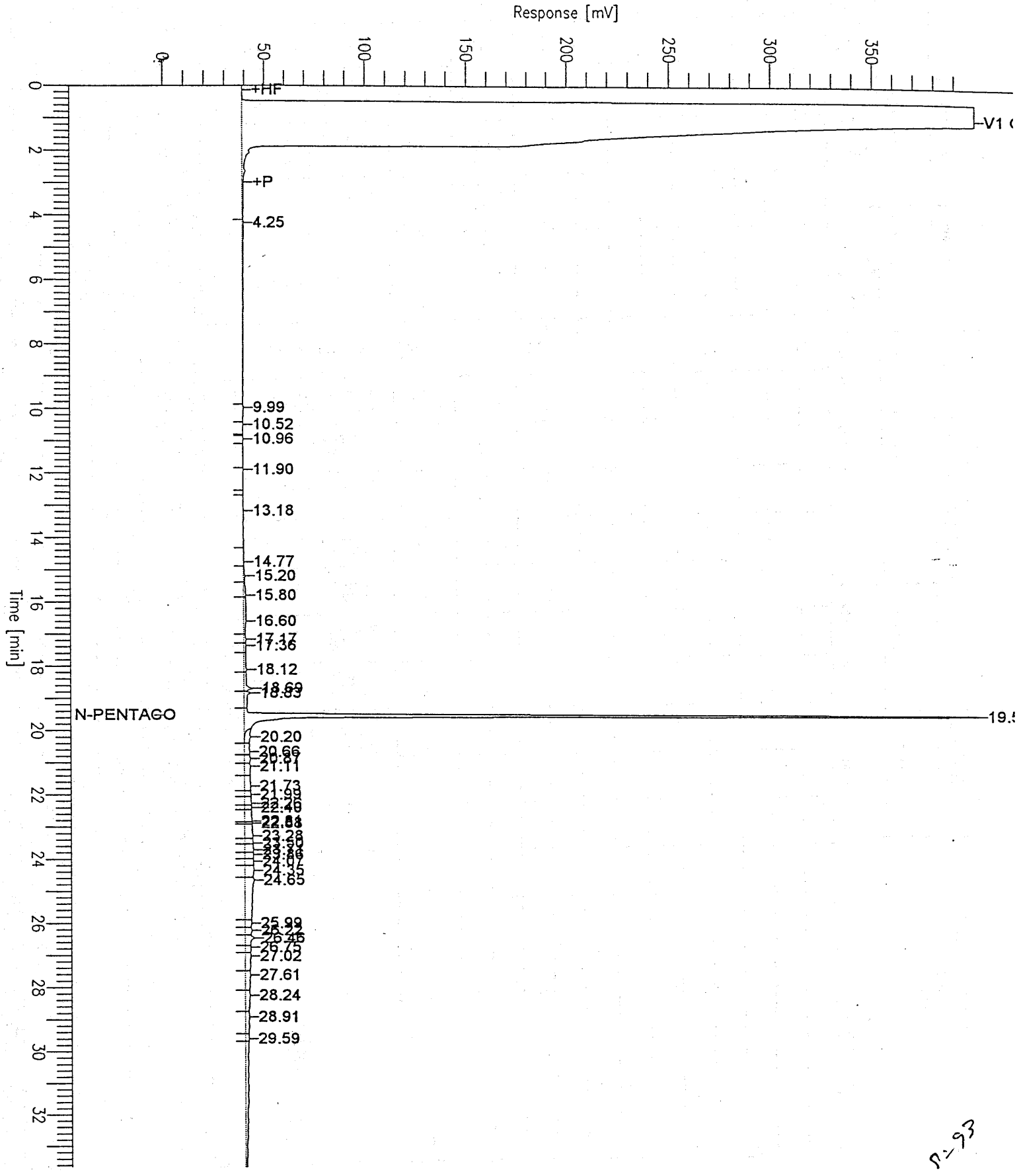


n=137

Chromatogram

Sample Name : D9604H86-4 (20:1)
FileName : S:\GHP_04\0505\501A024.raw
Method : TPH04A
Start Time : 0.00 min End Time : 33.65 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: OX-4-7.0 Page 1 of 1
Date : 5/1/96 21:25
Time of Injection: 5/1/96 20:50
Low Point : 0.00 mV High Point : 400.00 mV
Plot Scale: 400.0 mV



9-93

Fax copy of Lab Report and COC to Chevron Contact: ☐ Yes ☐ No

Chain-of-Custody-Record

Chevron U.S.A. Inc.
P.O. BOX 5004
San Ramon, CA 94583
FAX (415)842-9591

Chevron Facility Number 9-3283
Facility Address 3005 GROVE WAY, OAKLAND, CA.
Consultant Project Number 9-3283
Consultant Name TOUCHSTONE DEVELOPMENTS
Address 781 KINGSTON AVE, OAKLAND, CA
Project Contact (Name) ROBERT MALLORY
(Phone) (510) 658-6872 (Fax Number) (510) 658-6872

Chevron Contact (Name) PHIL BRIGGS
(Phone) (510) 842-9136
Laboratory Name SEQUOIA
Laboratory Release Number 6371350
Samples Collected by (Name) ROBERT C. MALLORY
Collection Date 4/24/96
Signature [signature]

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)						Remarks
OX-1-7.0	1	1	S	D	13:20		Y	X	X	X	X										9604 H86
OX-2-7.0	2	1	S	D	13:27		Y	X	X	X	X										
OX-3-7.0	3	1	S	D	13:35		Y	X	X	X	X										
OX-4-7.5	4	1	S	D	13:40		Y	X	X	X	X										

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
[signature]	TD	4/25/96 12:18			
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Recieved For Laboratory By (Signature) [signature]		Date/Time 4-25-96 1210

Turn Around Time (Circle Choice)
24 Hrs.
48 Hrs.
5 Days
10 Days
As Contracted (circled)

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Developments	Client Project ID:	Chevron #9-3283	Sampled:	Apr 19, 1996
781 Kingston Ave.	Sample Descript:	Soil, WOSP-1(A-D) & OWSP-1(A-D)	Received:	Apr 22, 1996
Oakland, CA 94611	Analysis Method:	EPA 8240	Extracted:	Apr 22, 1996
Attention: Robert C. Mallory	Lab Number:	604-1531	Analyzed:	Apr 22, 1996
			Reported:	Apr 24, 1996

QC Batch Number: SP0422968240EXA

Instrument ID: GC/MS-2

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Acetone	500	N.D.
Benzene	100	N.D.
Bromodichloromethane	100	N.D.
Bromoform	100	N.D.
Bromomethane	100	N.D.
2-Butanone	500	N.D.
Carbon disulfide	100	N.D.
Carbon tetrachloride	100	N.D.
Chlorobenzene	100	N.D.
Chloroethane	100	N.D.
2-Chloroethyl vinyl ether	500	N.D.
Chloroform	100	N.D.
Chloromethane	100	N.D.
Dibromochloromethane	100	N.D.
1,1-Dichloroethane	100	N.D.
1,2-Dichloroethane	100	N.D.
1,1-Dichloroethene	100	N.D.
cis-1,2-Dichloroethene	100	N.D.
trans-1,2-Dichloroethene	100	N.D.
1,2-Dichloropropane	100	N.D.
cis-1,3-Dichloropropene	100	N.D.
trans-1,3-Dichloropropene	100	N.D.
Ethylbenzene	**100**	**450**
2-Hexanone	500	N.D.
Methylene chloride	250	N.D.
4-Methyl-2-pentanone	500	N.D.
Styrene	100	N.D.
1,1,2,2-Tetrachloroethane	100	N.D.
Tetrachloroethene	100	N.D.
Toluene	100	N.D.
1,1,1-Trichloroethane	100	N.D.
1,1,2-Trichloroethane	100	N.D.
Trichloroethene	100	N.D.
Trichlorofluoromethane	100	N.D.

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

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Developments	Client Project ID:	Chevron #9-3283	Sampled: Apr 19, 1996
781 Kingston Ave.	Sample Descript:	Soil, WOSP-1(A-D) & OWSP-1(A-D)	Received: Apr 22, 1996
Oakland, CA 94611	Analysis Method:	EPA 8240	Extracted: Apr 22, 1996
Attention: Robert C. Mallory	Lab Number:	604-1531	Analyzed: Apr 22, 1996
			Reported: Apr 24, 1996

QC Batch Number: SP0422968240EXA

Instrument ID: GC/MS-2

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Vinyl acetate	100	N.D.
Vinyl chloride	100	N.D.
Total Xylenes	**100**	**4,600**

Surrogates	Control Limit %		% Recovery
1,2-Dichloroethane-d4	50	150	96
Toluene-d8	50	150	105
4-Bromofluorobenzene	50	150	97

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

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Developments	Client Project ID:	Chevron #9-3283	Sampled:	Apr 19, 1996
781 Kingston Ave.	Sample Descript:	Soil, WOSP-1(A-D) & OWSP-1(A-D)	Received:	Apr 22, 1996
Oakland, CA 94611	Analysis Method:	EPA 8270	Extracted:	Apr 22, 1996
Attention: Robert C. Mallory	Lab Number:	604-1531	Analyzed:	Apr 24, 1996
			Reported:	Apr 24, 1996

QC Batch Number: SP0422968270EXA

Instrument ID: GC/MS-1

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Acenaphthene	1,000	N.D.
Acenaphthylene	1,000	N.D.
Aniline	1,000	N.D.
Anthracene	1,000	N.D.
Benzidine	25,000	N.D.
Benzoic Acid	5,000	N.D.
Benzo(a)anthracene	1,000	N.D.
Benzo(b)fluoranthene	1,000	N.D.
Benzo(k)fluoranthene	1,000	N.D.
Benzo(g,h,i)perylene	1,000	N.D.
Benzo(a)pyrene	1,000	N.D.
Benzyl alcohol	1,000	N.D.
Bis(2-chloroethoxy)methane	1,000	N.D.
Bis(2-chloroethyl)ether	1,000	N.D.
Bis(2-chloroisopropyl)ether	1,000	N.D.
Bis(2-ethylhexyl)phthalate	5,000	N.D.
4-Bromophenyl phenyl ether	1,000	N.D.
Butyl benzyl phthalate	1,000	N.D.
4-Chloroaniline	1,000	N.D.
2-Chloronaphthalene	1,000	N.D.
4-Chloro-3-methylphenol	1,000	N.D.
2-Chlorophenol	1,000	N.D.
4-Chlorophenyl phenyl ether	1,000	N.D.
Chrysene	1,000	N.D.
Dibenz(a,h)anthracene	1,000	N.D.
Dibenzofuran	1,000	N.D.
Di-N-butyl phthalate	5,000	N.D.
1,3-Dichlorobenzene	1,000	N.D.
1,4-Dichlorobenzene	1,000	N.D.
1,2-Dichlorobenzene	1,000	N.D.
3,3-Dichlorobenzidine	5,000	N.D.
2,4-Dichlorophenol	1,000	N.D.
Diethyl phthalate	1,000	N.D.
2,4-Dimethylphenol	1,000	N.D.
Dimethyl phthalate	1,000	N.D.
4,6-Dinitro-2-methylphenol	5,000	N.D.
2,4-Dinitrophenol	5,000	N.D.
2,4-Dinitrotoluene	1,000	N.D.
2,6-Dinitrotoluene	1,000	N.D.
Di-N-octyl phthalate	1,000	N.D.
Fluoranthene	1,000	N.D.
Fluorene	1,000	N.D.

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Developments	Client Project ID:	Chevron #9-3283	Sampled: Apr 19, 1996
781 Kingston Ave.	Sample Descript:	Soil, WOSP-1(A-D) & OWSP-1(A-D)	Received: Apr 22, 1996
Oakland, CA 94611	Analysis Method:	EPA 8270	Extracted: Apr 22, 1996
Attention: Robert C. Mallory	Lab Number:	604-1531	Analyzed: Apr 24, 1996
			Reported: Apr 24, 1996

QC Batch Number: SP0422968270EXA

Instrument ID: GC/MS-1

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Hexachlorobenzene	1,000	N.D.
Hexachlorobutadiene	1,000	N.D.
Hexachlorocyclopentadiene	1,000	N.D.
Hexachloroethane	1,000	N.D.
Indeno(1,2,3-cd)pyrene	1,000	N.D.
Isophorone	1,000	N.D.
2-Methylnaphthalene	1,000	1,400
2-Methylphenol	1,000	N.D.
4-Methylphenol	1,000	N.D.
Naphthalene	1,000	N.D.
2-Nitroaniline	5,000	N.D.
3-Nitroaniline	5,000	N.D.
4-Nitroaniline	5,000	N.D.
Nitrobenzene	1,000	N.D.
2-Nitrophenol	1,000	N.D.
4-Nitrophenol	5,000	N.D.
N-Nitrosodimethylamine	1,000	N.D.
N-Nitrosodiphenylamine	1,000	N.D.
N-Nitroso-di-N-propylamine	1,000	N.D.
Pentachlorophenol	5,000	N.D.
Phenanthrene	1,000	N.D.
Phenol	1,000	N.D.
Pyrene	1,000	N.D.
1,2,4-Trichlorobenzene	1,000	N.D.
2,4,5-Trichlorophenol	5,000	N.D.
2,4,6-Trichlorophenol	1,000	N.D.

Surrogates	Control Limit %	% Recovery
2-Fluorophenol	25	64
Phenol-d6	24	70
Nitrobenzene-d5	23	88
2-Fluorobiphenyl	30	88
2,4,6-Tribromophenol	19	73
4-Terphenyl-d14	18	91

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Developments	Client Project ID:	Chevron #9-3283	Sampled:	Apr 19, 1996
781 Kingston Ave.	Matrix Descript:	Soil	Received:	Apr 22, 1996
Oakland, CA 94611	Analysis Method:	EPA 418.1 (I.R. with clean-up)	Extracted:	Apr 23, 1996
Attention: Robert C. Mallory	First Sample #:	604-1531	Analyzed:	Apr 23, 1996
			Reported:	Apr 24, 1996

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Sample Number	Sample Description	Petroleum Oil mg/kg (ppm)	D.L. Mult. Factor	QC Batch Number	Instrument ID
604-1531	WOSP-1(A-D) & OWSP-1(A-D)	2,000	25	SP0423964181MDA	Miran-1A

Detection Limits:	**5.0**

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

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Developments
781 Kingston Ave.
Oakland, CA 94611
Attention: Robert C. Mallory

Client Project ID: Chevron #9-3283
Sample Descript: Soil, WOSP-1(A-D) & OWSP-1(A-D)
Lab Number: 604-1531

Sampled: Apr 19, 1996
Received: Apr 22, 1996
Digested: Apr 22, 1996
Analyzed: Apr 23, 1996
Reported: Apr 24, 1996

CAM 17 METALS

Analyte	Detection Limit mg/kg	Sample Results mg/kg	QC Batch Number	Instrument ID
Antimony	5.0	N.D.	ME0422966010MDA	MV-3
Arsenic	5.0	N.D.	ME0422966010MDA	MV-3
Barium	0.50	170	ME0422966010MDA	MV-3
Beryllium	0.50	N.D.	ME0422966010MDA	MV-3
Cadmium	0.50	N.D.	ME0422966010MDA	MV-3
Chromium (III)	0.50	28	ME0422966010MDA	MV-3
Cobalt	0.50	9.5	ME0422966010MDA	MV-3
Copper	0.50	11	ME0422966010MDA	MV-3
Lead	1.0	16	ME0422966010MDA	MV-3
Mercury	0.010	0.084	ME0422967471MDA	MV-1
Molybdenum	0.50	N.D.	ME0422966010MDA	MV-3
Nickel	1.0	37	ME0422966010MDA	MV-3
Selenium	5.0	N.D.	ME0422966010MDA	MV-3
Silver	0.50	0.85	ME0422966010MDA	MV-1
Thallium	5.0	N.D.	ME0422966010MDA	MV-3
Vanadium	0.50	28	ME0422966010MDA	MV-3
Zinc	1.0	40	ME0422966010MDA	MV-3

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

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Developments
781 Kingston Ave.
Oakland, CA 94611
Attention: Robert C. Mallory

Client Project ID: Chevron #9-3283
Matrix: Solid
QC Sample Group: 6041531

Reported: Apr 24, 1996

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloroethene	Trichloroethene	Benzene	Toluene	Chloro-benzene
QC Batch#:	SP042296	SP042296	SP042296	SP042296	SP042296
	8240EXA	8240EXA	8240EXA	8240EXA	8240EXA
Analy. Method:	EPA 8240	EPA 8240	EPA 8240	EPA 8240	EPA 8240
Prep. Method:	EPA 8030	EPA 8030	EPA 8030	EPA 8030	EPA 8030
Analyst:	S. Le	S. Le	S. Le	S. Le	S. Le
MS/MSD #:	-	-	-	-	-
Sample Conc.:	-	-	-	-	-
Prepared Date:	-	-	-	-	-
Analyzed Date:	-	-	-	-	-
Instrument I.D.#:	-	-	-	-	-
Conc. Spiked:	-	-	-	-	-
Result:	-	-	-	-	-
MS % Recovery:	-	-	-	-	-
Dup. Result:	-	-	-	-	-
MSD % Recov.:	-	-	-	-	-
RPD:	-	-	-	-	-
RPD Limit:	-	-	-	-	-

LCS #:	LCS042296	LCS042296	LCS042296	LCS042296	LCS042296
Prepared Date:	4/22/96	4/22/96	4/22/96	4/22/96	4/22/96
Analyzed Date:	4/22/96	4/22/96	4/22/96	4/22/96	4/22/96
Instrument I.D.#:	GC/MS-2	GC/MS-2	GC/MS-2	GC/MS-2	GC/MS-2
Conc. Spiked:	50 µg/L	50 µg/L	50 µg/L	50 µg/L	50 µg/L
LCS Result:	41	43	43	42	43
LCS % Recov.:	82	86	86	84	86

MS/MSD LCS Control Limits	DL-234	71-157	37-151	47-150	37-160

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

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

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Developments
781 Kingston Ave.
Oakland, CA 94611
Attention: Robert C. Mallory

Client Project ID: Chevron #9-3283
Matrix: Solid
QC Sample Group: 6041531
Reported: Apr 24, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Phenol	2-Chlorophenol	1,4-Dichloro benzene	N-Nitroso-Di-N-propylamine	1,2,4-Trichloro benzene	4-Chloro-3 Methylphenol
QC Batch#:	SP042296	SP042296	SP042296	SP042296	SP042296	SP042296
Analy. Method:	8270EXA	8270EXA	8270EXA	8270EXA	8270EXA	8270EXA
Prep. Method:	EPA 8270	EPA 8270	EPA 8270	EPA 8270	EPA 8270	EPA 8270
Analyst:	EPA 3550	EPA 3550	EPA 3550	EPA 3550	EPA 3550	EPA 3550
MS/MSD #:	T. Granicher	T. Granicher	T. Granicher	T. Granicher	T. Granicher	T. Granicher
Sample Conc.:	6041533	6041533	6041533	6041533	6041533	6041533
Prepared Date:	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Analyzed Date:	4/22/96	4/22/96	4/22/96	4/22/96	4/22/96	4/22/96
Instrument I.D.#:	4/24/96	4/24/96	4/24/96	4/24/96	4/24/96	4/24/96
Conc. Spiked:	GC/MS-1	GC/MS-1	GC/MS-1	GC/MS-1	GC/MS-1	GC/MS-1
	5000 µg/kg	5000 µg/kg	2500 µg/kg	2500 µg/kg	2500 µg/kg	5000 µg/kg
Result:	3400	3700	1800	1900	2000	3900
MS % Recovery:	67	73	72	74	80	78
Dup. Result:	3400	3600	1800	1900	2100	4100
MSD % Recov.:	68	72	72	76	82	81
RPD:	1.5	1.4	0.0	2.7	2.5	3.8
RPD Limit:	0-35	0-50	0-27	0-38	0-23	0-33
LCS #:	LCS042296	LCS042296	LCS042296	LCS042296	LCS042296	LCS042296
Prepared Date:	4/22/96	4/22/96	4/22/96	4/22/96	4/22/96	4/22/96
Analyzed Date:	4/24/96	4/24/96	4/24/96	4/24/96	4/24/96	4/24/96
Instrument I.D.#:	GC/MS-1	GC/MS-1	GC/MS-1	GC/MS-1	GC/MS-1	GC/MS-1
Conc. Spiked:	5000 µg/kg	5000 µg/kg	2500 µg/kg	2500 µg/kg	2500 µg/kg	5000 µg/kg
LCS Result:	3800	4100	2100	2100	2300	4300
LCS % Recov.:	75	81	82	84	90	86
MS/MSD LCS Control Limits	15-115	30-120	30-120	30-120	40-120	40-120

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

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

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Developments
781 Kingston Ave.
Oakland, CA 94611
Attention: Robert C. Mallory

Client Project ID: Chevron #9-3283
Matrix: Solid
QC Sample Group: 6041531
Reported: Apr 24, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Acenaphthene	4-Nitrophenol	2,4-Dinitro-toluene	Pentachloro-phenol	Pyrene
QC Batch#:	SP042296	SP042296	SP042296	SP042296	SP042296
	8270EXA	8270EXA	8270EXA	8270EXA	8270EXA
Analy. Method:	EPA 8270	EPA 8270	EPA 8270	EPA 8270	EPA 8270
Prep. Method:	EPA 3550	EPA 3550	EPA 3550	EPA 3550	EPA 3550
Analyst:	T. Granicher	T. Granicher	T. Granicher	T. Granicher	T. Granicher
MS/MSD #:	6041533	6041533	6041533	6041533	6041533
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	4/22/96	4/22/96	4/22/96	4/22/96	4/22/96
Analyzed Date:	4/24/96	4/24/96	4/24/96	4/24/96	4/24/96
Instrument I.D.#:	GC/MS-1	GC/MS-1	GC/MS-1	GC/MS-1	GC/MS-1
Conc. Spiked:	2500 µg/kg	5000 µg/kg	2500 µg/kg	5000 µg/kg	2500 µg/kg
Result:	1900	3000	1500	3500	2000
MS % Recovery:	76	59	58	70	80
Dup. Result:	1900	3300	1500	3700	2000
MSD % Recov.:	76	65	60	74	78
RPD:	0.0	10	3.4	5.6	2.5
RPD Limit:	0-19	0-50	0-47	0-47	0-36

LCS #:	LCS042296	LCS042296	LCS042296	LCS042296	LCS042296
Prepared Date:	4/22/96	4/22/96	4/22/96	4/22/96	4/22/96
Analyzed Date:	4/24/96	4/24/96	4/24/96	4/24/96	4/24/96
Instrument I.D.#:	GC/MS-1	GC/MS-1	GC/MS-1	GC/MS-1	GC/MS-1
Conc. Spiked:	2500 µg/kg	5000 µg/kg	2500 µg/kg	5000 µg/kg	2500 µg/kg
LCS Result:	2100	3400	1700	4000	2100
LCS % Recov.:	84	67	66	80	82

MS/MSD LCS Control Limits	50-140	20-120	20-120	30-110	50-115

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

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Developments
781 Kingston Ave.
Oakland, CA 94611
Attention: Robert C. Mallory

Client Project ID: Chevron #9-3283
Matrix: Solid
QC Sample Group: 6041531
Reported: Apr 24, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Oil & Grease	Cobalt	Silver	Mercury
QC Batch#:	SP042396	ME042296	ME042296	ME042296
Analy. Method:	4181MDA	6010MDA	6010MDA	7471MDA
Prep. Method:	EPA 418.1	EPA 6010	EPA 7760	EPA 7471
Analyst:	EPA 3510	EPA 3050	EPA 3050	EPA 7471
MS/MSD #:	I. Dalvand	J.Kelly	K. Anderson	T. Le
Sample Conc.:	6041401	6041534	6041534	6041038
Prepared Date:	200 mg/kg	6.7 mg/kg	1.1 mg/kg	0.14 mg/kg
Analyzed Date:	4/23/96	4/22/96	4/22/96	4/22/96
Instrument I.D.#:	4/23/96	4/23/96	4/23/96	4/23/96
Conc. Spiked:	Miran 1A	MV-3	MV-1	MV-1
	125 mg/kg	50 mg/kg	50 mg/kg	0.10 mg/kg
Result:	300	71	41	0.21
MS % Recovery:	80	129	80	70
Dup. Result:	310	58	46	0.24
MSD % Recov.:	90	103	90	100
RPD:	4.2	20	11	13
RPD Limit:	0-30	0-20	0-20	0-20

LCS #:	LCS042396	BLK042296	BLK042296	BLK042296
Prepared Date:	4/23/96	4/22/96	4/22/96	4/22/96
Analyzed Date:	4/23/96	4/23/96	4/23/96	4/23/96
Instrument I.D.#:	Miran 1A	MV-3	MV-1	MV-1
Conc. Spiked:	125 mg/kg	50 mg/kg	50 mg/kg	0.10 mg/kg
LCS Result:	140	52	49	0.10
LCS % Recov.:	112	104	96	100

MS/MSD LCS Control Limits	70-130	75-125	75-125	85-115

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

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

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Developments
781 Kingston Ave.
Oakland, CA 94611
Attention: Robert C. Mallory

Client Project ID: Chevron #9-3283
Matrix: Solid
QC Sample Group: 6041531

Reported: Apr 24, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Cadmium	Chromium	Lead	Nickel	Zinc	Thallium	Vanadium
QC Batch#:	ME042296	ME042296	ME042296	ME042296	ME042296	ME042296	ME042296
	6010MDA	6010MDA	6010MDA	6010MDA	6010MDA	6010MDA	6010MDA
Analy. Method:	EPA 6010	EPA 6010	EPA 6010	EPA 6010	EPA 6010	EPA 6010	EPA 6010
Prep. Method:	EPA 3050	EPA 3050	EPA 3050	EPA 3050	EPA 3050	EPA 3050	EPA 3050
Analyst:	J. Kelly	J. Kelly	J. Kelly	J. Kelly	J. Kelly	J. Kelly	J. Kelly
MS/MSD #:	6041534	6041534	6041534	6041534	6041534	6041534	6041534
Sample Conc.:	N.D.	23 mg/kg	4.0 mg/kg	26 mg/kg	20 mg/kg	N.D.	22 mg/kg
Prepared Date:	4/22/96	4/22/96	4/22/96	4/22/96	4/22/96	4/22/96	4/22/96
Analyzed Date:	4/23/96	4/23/96	4/23/96	4/23/96	4/23/96	4/23/96	4/23/96
Instrument I.D.#:	MV-3	MV-3	MV-3	MV-3	MV-3	MV-3	MV-3
Conc. Spiked:	50 mg/kg	50 mg/kg	50 mg/kg	50 mg/kg	50 mg/kg	50 mg/kg	50 mg/kg
Result:	58	91	65	94	82	56	86
MS % Recovery:	116	136	122	136	124	112	128
Dup. Result:	49	75	54	74	69	48	72
MSD % Recov.:	98	104	100	96	98	96	100
RPD:	17	19	18	24	17	15	18
RPD Limit:	0-20	0-20	0-20	0-20	0-20	0-20	0-20

LCS #:	BLK042296	BLK042296	BLK042296	BLK042296	BLK042296	BLK042296	BLK042296
Prepared Date:	4/22/96	4/22/96	4/22/96	4/22/96	4/22/96	4/22/96	4/22/96
Analyzed Date:	4/23/96	4/23/96	4/23/96	4/23/96	4/23/96	4/23/96	4/23/96
Instrument I.D.#:	MV-3	MV-3	MV-3	MV-3	MV-3	MV-3	MV-3
Conc. Spiked:	50 mg/kg	50 mg/kg	50 mg/kg	50 mg/kg	50 mg/kg	50 mg/kg	50 mg/kg
LCS Result:	49	52	52	51	46	49	47
LCS % Recov.:	98	104	104	102	92	98	94

MS/MSD LCS Control Limits	75-125	75-125	75-125	75-125	75-125	75-125	75-125

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

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

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Touchstone Developments
781 Kingston Ave.
Oakland, CA 94611
Attention: Robert C. Mallory

Client Project ID: Chevron #9-3283
Matrix: Solid
QC Sample Group: 6041531
Reported: Apr 24, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Beryllium	Barium	Copper	Selenium	Molybdenum	Arsenic	Antimony
QC Batch#:	ME042296	ME042296	ME042296	ME042296	ME042296	ME042296	ME042296
Analy. Method:	6010MDA	6010MDA	6010MDA	6010MDA	6010MDA	6010MDA	6010MDA
Prep. Method:	EPA 6010	EPA 6010	EPA 6010	EPA 6010	EPA 6010	EPA 6010	EPA 6010
Analyst:	EPA 3050	EPA 3050	EPA 3050	EPA 3050	EPA 3050	EPA 3050	EPA 3050
MS/MSD #:	J. Kelly	J. Kelly	J. Kelly	J. Kelly	J. Kelly	J. Kelly	J. Kelly
Sample Conc.:	6041534	6041534	6041534	6041534	6041534	6041534	6041534
Prepared Date:	N.D.	100 mg/kg	4.1 mg/kg	N.D.	N.D.	N.D.	N.D.
Analyzed Date:	4/22/96	4/22/96	4/22/96	4/22/96	4/22/96	4/22/96	4/22/96
Instrument I.D.#:	4/23/96	4/23/96	4/23/96	4/23/96	4/23/96	4/23/96	4/23/96
Conc. Spiked:	MV-3	MV-3	MV-3	MV-3	MV-3	MV-3	MV-3
	50 mg/kg	50 mg/kg	50 mg/kg	50 mg/kg	50 mg/kg	50 mg/kg	50 mg/kg
Result:	59	190	65	58	54	64	33
MS % Recovery:	118	180	122	116	108	128	66
Dup. Result:	51	160	54	49	46	55	27
MSD % Recov.:	102	120	100	98	92	110	54
RPD:	15	17	18	17	16	15	20
RPD Limit:	0-20	0-20	0-20	0-20	0-20	0-20	0-20

LCS #:	BLK042296	BLK042296	BLK042296	BLK042296	BLK042296	BLK042296	BLK042296
Prepared Date:	4/22/96	4/22/96	4/22/96	4/22/96	4/22/96	4/22/96	4/22/96
Analyzed Date:	4/23/96	4/23/96	4/23/96	4/23/96	4/23/96	4/23/96	4/23/96
Instrument I.D.#:	MV-3	MV-3	MV-3	MV-3	MV-3	MV-3	MV-3
Conc. Spiked:	50 mg/kg	50 mg/kg	50 mg/kg	50 mg/kg	50 mg/kg	50 mg/kg	50 mg/kg
LCS Result:	49	53	46	52	46	50	48
LCS % Recov.:	98	106	92	104	92	100	96
MS/MSD LCS Control Limits	75-125	75-125	75-125	75-125	75-125	75-125	75-125

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.
** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

Fax copy of Lab Report and COC to Chevron Contact: ☐ Yes ☐ No

Chain-of-Custody-Record

Chevron U.S.A. Inc.
P.O. BOX 5004
San Ramon, CA 94583
FAX (415)842-9591

Chevron Facility Number: 9-3283
Facility Address: 3005 CROVE WAY, CASTRO VALLEY, CA
Consultant Project Number: 9-3283
Consultant Name: TOUCHSTONE DEVELOPMENTS
Address: 781 KINGSTON AVE, OAKLAND, CA.
Project Contact (Name): ROBERT C. MALLORY
(Phone) (510) 658 6877 (Fax Number) (510) 658-6672

Chevron Contact (Name): PHIL BRIGGS
(Phone) (510) 842-9136
Laboratory Name: SEQUOIA
Laboratory Release Number: 637350
Samples Collected by (Name): ROBERT C. MALLORY
Collection Date: 4/19/96
Signature: Robert C. Mallory

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)	CAM 17	EPA 418.1				Remarks
WOSP-1(A-D)		4	S	C	/		Y						X	X		X	X	6041531A			COMPOSITE ALL INTO ONE SAMPLE
OWSP1(A-D)		4	S	C	/		Y						X	X		X	X				

E1107

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Robert C. Mallory	TO	4/22/96 10:48			
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time
					4/22 1048

Turn Around Time (Circle Choice)
(24 Hrs.)
48 Hrs.
5 Days
10 Days
As Contracted

COC-3.DWG/03 01/MGM

ATTACHMENT C

ACEHS Letter, August 2, 1996, Closure of Underground Storage Tank

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

Alameda County CC4580
Environmental Health Services
1131 Harbor Bay Pkwy., #250
Alameda CA 94502-6577
(510)567-6700 FAX(510)337-9335

StId 640

P.R.B.
AUG 19 96

August 2, 1996

Attn: Phillip Briggs
Chevron Products Company
Marketing Department
PO Box 5004
San Ramon CA 94583-0804

Subject: CLOSURE OF UNDERGROUND STORAGE TANK at Chevron Service Station #9-3283 located at 3005 Grove Way, Castro Valley, CA

Dear Mr. Briggs:

Thank you for forwarding to us Touchstone Developments' report, dated June 28, 1996, concerning the removal of one underground storage tank at Chevron Service Station #9-3283 located at 3005 Grove Way, Castro Valley, CA. After review of this report, it is our opinion that the 1,000-gallon used-oil tank was closed in compliance with Title 23 of the California Code of Regulations,

No further investigations or cleanup actions are required. Please be aware that further work may be required if conditions change or a water quality threat is discovered at this site.

If you have any further questions concerning this matter, please contact this office at (510)567-6700.

Sincerely,

Amy Leech
Hazardous Materials Specialist

c: Don Atkinson-Adams
Gordon Coleman - File(ALL)