Chevron

February 4, 1999

Chevron Products Company
6001 Bollinger Canyon Road
Building L, Room 1110
PO Box 6004
San Ramon, CA 94583-0904

Philip R. Briggs
Project Manager
Site Assessment & Remediation
Phone 925 842-9136
Fax 925 842-8370

Mr. Scott Seery
Alameda County Health Care Services
Department of Environmental health
1130 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

99 FEB -8 PM 1:10

Re: Former Chevron Service Station #9-8139
16304 Foothill Blvd.
San Leandro, California

Dear Mr. Seery:

Enclosed is the UST Removal and Sampling Report, dated January 19, 1999, that was prepared by our consultant Touchstone Developments for the above noted facility. This report summarizes the removal of the underground storage tanks (UST's) and associated product piping along with the sampling activities performed at this site.

Four single-walled fiberglass UST's were removed on October 26, 1998 and was witnessed by Mr. Scott Seery Alameda County Health Care Services, Mr. Jeff Monroe, Touchstone and Mr. Phil Briggs and Larry Wallace of Chevron. No holes were observed in the four UST's, however, some staining was observed around the sides of the used oil tank.

Groundwater was encountered in the UST excavation at a depth of approximately 12 feet below grade, however, it was not determined if the water observed in the tank excavation was true groundwater or from recent rains and therefore, no samples were taken. The site is also presently being monitored. A sheen was detected on the water surface and on November 2, 1998, approximately 2500 gallons of water was pumped out of the excavation prior to backfilling.

Six soil samples were collected from beneath the ends of the former UST's located at a depth of about 14 feet. Six soil samples were also collected beneath the product dispensers and piping at depths of approximately 2 to 3 feet. The samples were analyzed for TPH-g, BTEX, MtBE and Total lead constituents. The highest benzene concentrations detected in the UST excavation and beneath the product dispensers/piping were <1.000 mg/Kg (ppm) and <1.000 mg/Kg (ppm) respectively.

Note that the analytical results shown in Tables A, B, C and D are in ug/Kg (ppb) unless noted otherwise. The analytical results as reported by the lab are in ug/Kg, refer to Appendix B.

The highest concentration of TPH-g detected in the UST excavation was <200 mg/Kg (ppm) and in the dispenser/piping areas was 1,560 mg/Kg (ppm), while the highest MtBE concentration in the UST excavation was 12.700 mg/Kg (ppm) and 8.610 mg/Kg (ppm) in the dispenser/piping area. The highest Total Lead concentration detected in the UST excavation was 5.1 ppm and in the dispenser/piping area was 11 ppm.

Three hoists and one clarifier (oil/water separator) were removed from inside the service station building and soil samples collected at a depth of approximately 8 feet below grade for the hoists and 6 feet for the clarifier. The soil sample for the clarifier was analyzed for TOG (total oil/grease), TPH-g, TPH-d, BTEX, MtBE, VOC's (8010), SVOC's (8270) and five metals, while the soil samples for the hoists were analyzed for TPH-d. Refer to Table B for the results.

Two-soil samples were collected from beneath the removed used oil tank at a depth of approximately 9 feet below grade. The samples was analyzed for Total Oil & Grease, TPH-d, TPH-g, BTEX, MtBE, Volatile Organic Compounds (VOC's), Semi-Volatile Compounds (SVOC's) and Metals (EPA 6010). Refer to Table B for the results. On November 2, 1998, two feet of standing water was observed in the used tank excavation and approximately 500 gallons was pumped out prior to backfilling. An additional soil sample was collected at 11 feet below grade, refer to Table B for results.

On November 2, 1998, additional overexcavation was performed in the former piping trenches. The trenches were widened to approximately 6 feet and excavated vertically to about 4 feet below surface grade. Four soil samples were collected and analyzed for TPH-g, BTEX and MtBE constituents. The highest benzene concentration detected was 0.0881 mg/Kg (ppm). Refer to Table C for the other results.

Soils generated during the construction activities at the site were stockpiled and sampled for disposal. Approximately 100 cubic yards was generated from uncovering the UST's and composed primarily of pea gravel and was reused on site as fill material. This material was designated as stockpile SP-1 (a-d). Refer to Table D for the analytical results. Approximately 40 cubic yards of soil each were generated from the former used oil tank excavation and the piping trench and are designated as stockpile UOSP-1 (a-d)and stockpile SP-2 (a-d). Refer to Table D for the analytical results. Both of these stockpiles were profiled and transported for disposal at BFI in Livermore by Allwaste Transportation and Remediation.

The point sources that have impacted the site in the past have been removed and any further impact from petroleum hydrocarbons will be minimal. Existing monitoing wells located at the site will continue to be sampled and analyzed for petroleum hydrocarbon constituents, which are expected to decline over time due to the removal of the point sources.

If you have any questions or comments, call me at (925) 842-9136.

Sincerely,
CHEVRON PRODUCTS COMPANY

Philip R. Briggs
Site Assessment and Remediation Project Manager

Enclosure

CC. Mr. Bill Scudder, Chevron

Mr. Chuck Headlee
RWQCB-San Francisco Bay Region
2101 Webster St., Suite 500
Oakland, CA 94612

Mr. Harv Dhaliwal, P.E.
President
Dhaliwal & Asociates, Inc.
4430 Deerfield Way
Danville, CA 94506

Touchstone Developments
Environmental Management

UST Removal and Sampling Report

Former Chevron Station No. 9-8139
16304 Foothill Boulvard
San Leandro, California

prepared for

Chevron Products Company
6001 Bollinger Canyon Road
San Ramon, California 94583

prepared by

Touchstone Developments

Jeff Monroe
Project Manager

January 19, 1999

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

INTRODUCTION

This report summarizes the field and sampling activities performed at former Chevron Service Station number 9-8139 located at 16304 Foothill Boulevard, San Leandro, California (Figure 1) during recent station demolition. Activities consisted of the removal of a used oil tank, hoists, clarifier, gasoline Underground Storage Tanks (USTs) and associated piping. UST and associated piping removal and excavation activities were performed by Musco Excavating of Santa Rosa, California. Touchstone Developments was present onsite to observe the UST removal, and obtain soil samples from the tank excavation, piping trenches, and associated soil stockpiles. The soil excavation and sampling activities described in this report were performed October 26 and November 2, 1998 to comply with the current Regional Water Quality Control Board and Alameda County Water District Guidelines.

SITE DESCRIPTION

The site had been occupied by a Chevron station that was demolished during October 1998. The site is adjacent to commercial properties. The former gasoline UST complex was located south of the station building (Figure 1), and consisted of three 10,000 gallon single-walled fiberglass tanks containing gasoline products. The former 1000 gallon single-walled fiberglass used oil tank was located near the northeastern corner of the former station building, and three hoists and one clarifier were inside the former building in the service bays (Figure 1). Both single-wall steel and fiberglass product pipes were observed in the piping trenches. The USTs and piping appeared to be in good condition.

FIELD EXCAVATION ACTIVITIES

Tank/piping, hoist and clarifier removals and initial compliance sampling was performed on October 26, 1998. On November 2, 1998, additional over-excavation was performed in the dispenser area. Removals and initial compliance sampling was witnessed by Scott Seery, representing Alameda County Environmental Health Department (ACEHD), see attached inspection sheets in Appendix A. Also present were Phil Briggs and Larry Wallace representing Chevron Products Company.

Groundwater was encountered in the fuel excavation at approximately 12 feet below grade surface (bgs) before USTs were removed.

SOIL SAMPLING

Samples were collected under the direction of Scott Seery. Soil samples were collected from the excavator bucket by removing the top few inches of soil then pushing a clean, three-inch-long brass tube (2" in diameter) into the soil until full. Tubes were covered at both ends with aluminum foil and sealed with plastic end caps. The soil samples were then labeled, recorded on a Chain-of-Custody form, put in a cooler with crushed ice and transported to Sequoia Analytical, Inc. located in Petaluma, California.

UST Excavation Sampling

After removal of the gasoline USTs. Soil samples designated AN, AS, BN, BS, CN and CS were collected from beneath the former fuel tanks in native soils at approximately 14 feet below grade surface (bgs) as requested by Scott Seery. It was not yet determined if the water in the excavation was true groundwater or not. The approximate sample locations are shown on Figure 2. Sample analytical summaries and depths are found in Table A.

Product Line Sampling

Product lines were excavated and removed on October 26, 1998. The product transfer lines extended from the fuel UST complex to the dispenser islands. Soil samples P1 through P6 were collected after piping was removed, at approximate depths of 2 to 3 feet bgs (Figure 2). Samples were collected from the trench bottom, beneath the former piping and dispensers. Sample depths are listed in Table A with the chemical analytical summary.

Used Oil Tank Sampling

A 1000 gallon used oil tank was also removed on October 26, 1998. Two soil samples, designated UO1 and UO2, were initially collected from the bottom of the excavation at approximately 9 feet bgs (Figure 2). No holes were observed in the tank, however, some staining and odors were observed where UO1 was collected. The half of the represented initially by UO1 was then overexcavated vertically to 11 feet bgs and an additional sample designated UO1X was collected (Figure 3). Sample analytical results and depths are summarized in Table B.

Hoist/Clarifier Sampling

Three hydraulic hoists and one oil water separator (clarifier) were removed during the station demolition.

Samples designated H1, H2 and H3 were collected beneath each of the former hoists at approximately 8 feet bgs. The sample designated CLR was collected beneath the former clarifier at approximately 6 feet bgs. Sample locations are shown on Figure 2 and analytical summaries are found in Table B.

Product Piping Overexcavation

On November 2, 1998, additional overexcavation was performed in the former product piping trenches. Trenches were widened to approximately 6 feet and excavated vertically down to approximately 4 feet bgs. Four samples designated PX1, PX3, PX4 and PX6 were collected from the bottom of the overexcavated trenches, cooresponding to the initial piping samples P1, P3, P4 and P6. Overexcavation limits and sample locations are shown in Figure 3. Sample analytical summaries are found in Table C.

On November 2, 1998, two feet of standing water was observed in the used oil tank excavation. This was vacuumed out (approximately 500 gallons) using a vacuum truck supplied by Allwaste. Additionally, approximately 2500 gallons was also pumped out of the former gasoline UST excavation prior to backfilling.

Stockpile Sampling

Soils generated during the fuel UST and product piping removal activities were stockpiled and sampled discretely approximately every 5 to 25 cubic yards (cy). Samples designated SP-1(a-d) were collected from the stockpile generated from uncovering the fuel USTs and represent approximately 100 cubic yards (cy). Samples UOSP-1(a-d) were collected from approximately 40 cy of soil generated from the used oil tank removal, and samples SP-2(a-d) were collected from approximately 40 cy generated from the product line trench and excavation activities. Stockpile locations are shown in Figure 3.

One sample was collected for approximately every 5 to 25 cy of soil stockpiled. The four samples were then composited in the laboratory and analyzed as one sample to represent each stockpile. Stockpile soil samples were collected by removing the top 8 to 14 inches of soil, pushing a clean 3" long (2" diameter) brass tube into the stockpile until completely filled, then removed, sealed and handled as described previously. Analytical results are summarized in Table D.

Upon receipt of chemical analytical data, stockpiles represented by SP-2(a-d) and UOSP-1(a-d) were profiled and

transported for disposal at Browning-Ferris Industries (BFI) located in Livermore, California. Transportation was performed November 3, 1998 by Allwaste Transportation and Remediation located in San Martin, California. Stockpile SP-1(a-d) consisting primarily of pea-gravel, was reused onsite as fill material.

ANALYTICAL RESULTS

Summaries of the soil sample analytical results are presented in Tables A, B, C and D. The fuel UST excavation, trench and stockpile samples were analyzed for Total Petroleum Hydrocarbons calculated as gasoline (TPH-Gas) by EPA Method 8015 (Modified), Methyl t-Butyl Ether (MTBE), and Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX) by EPA Method 8020 and Total Lead by EPA Method 6010. Select samples were additionally analyzed for MTBE by EPA Method 8260. Samples from the used oil tank and clarifier removal activities were additionally analyzed for TPH-diesel by EPA Method 8015 (Modified), Total Oil and Grease by EPA Method 5520, Volatile Organic Compounds by EPA Method 8010, Semi-Volatile Compounds by EPA Method 8270 and Metals by EPA Method 6010.

Copies of the Certified Analytical Reports (CARs) from the Laboratory and Chain-of-Custody forms are attached in Appendix B.

LIST OF ATTACHMENTS

Figure 1: Former Facility Site Map
Figure 2: Compliance Sample Locations Map
Figure 3: Over-excavation/Stockpile and Sample Location Map

Table A: UST and Product Line Sample Summary
Table B: Used Oil Tank, Hoists and Clarifier Summary
Table C: Over-excavation Sample Summary
Table D: Stockpile Sample Summary

Appendix A: Copies of Alameda County Inspection Sheets
Appendix B: Analytical Reports and Chain-of-Custody Forms

TABLE A
Sample Analytical Summary
Results in µg/Kg (ppb) unless noted

Fuel UST Excavation Samples (Date Sampled 10/26/99) 1998								
Sample ID	Depth in Feet	TPH as Gasoline	B	T	E	X	MTBE	Total Pb
AN	14	ND<200,000	ND<1,000	ND<1,000	ND<1,000	ND<2,000	8,900	3.9 ppm
AS	14	28,800	ND<100	ND<100	ND<100	726	12,700	3.6 ppm
BN	14	154,000	ND<100	ND<100	875	9,860	1,410	4.3 ppm
BS	14	ND<20,000	ND<100	ND<100	ND<100	ND<200	7,690	3.2 ppm
CN	14	ND<1,000	ND<5	ND<5	6.22	17.7	ND<25	5.1 ppm
CS	14	ND<20,000	ND<100	ND<100	ND<100	ND<200	7,510	4.6 ppm
Product Piping Samples (Date Sampled 10/26/99) 1998								
P1	2	11,400	434	359	268	1,290	3,470	8.5 ppm
P2	2	ND<2,000	ND<10	ND<10	ND<10	ND<20	778	6.7 ppm
P3	2	ND<200,000	ND<1,000	ND<1,000	ND<1,000	ND<2,000	8,610	6.4 ppm
P4	2	1,560,000	ND<1,000	5,240	30,600	8460	ND<5,000	11 ppm
P5	3	1,060	28.0	ND<5	7.49	ND<10	283	6.7 ppm
P6	3	13,300	372	90.0	248	1,150	2,260	5.5 ppm

ND =Not detected at or above laboratory detection limits
TPH =Total petroleum hydrocarbons
B =Benzene
T =Toluene
E =Ethylbenzene
X =Xylenes
MTBE =methyl tert butyl ether
Pb =Lead
ppm =parts per million or mg/Kg
ppb =parts per billion or µg/Kg

TABLE B
Sample Analytical Summary
Results in µg/Kg (ppb) unless noted

Hoists, Clarifier & Used Oil Tank Excavation Samples (Date Sampled 10/26/98)												
Sample ID	Depth in Feet	TPH as Gasoline	B	T	E	X	MTBE	TPH as Diesel	TOG 5520	8010	8270	Metals
H1	8	NA	NA	NA	NA	NA	NA	59 ppm	NA	NA	NA	See CAR's for Results
H2	8	NA	NA	NA	NA	NA	NA	ND < 1 ppm	NA	NA	NA	
H3	8	NA	NA	NA	NA	NA	NA	ND < 1 ppm	NA	NA	NA	
CLR	6	4,720	ND < 10	ND < 10	ND < 10	ND < 20	ND < 50	7.3 ppm	44.3 ppm	ND	924*	
UO1	9	3,900	ND < 5	ND < 5	ND < 5	ND < 10	ND < 25	410 ppm	3,460 ppm	ND	**	
UO2	9	ND < 1,000	ND < 5	ND < 5	ND < 5	ND < 10	ND < 25	ND < 1	ND < 33.3	ND	ND	
UO1X	11	ND < 1,000	ND < 5	ND < 5	ND < 5	ND < 10	ND < 25	38 ppm	476 ppm	ND	***	

NA =Not analyzed
ND =Not detected at or above laboratory detection limits
TPH =Total petroleum hydrocarbons
B =Benzene
T =Toluene
E =Ethylbenzene
X =Xylenes
MTBE =Methyl tert butyl ether
TOG =Total oil and grease
CAR's =Certified Analytical Reports (Appendix B)
* =Bis (2-ethylhexyl phthalate)
** =533 ppb Bis (2-ethylhexyl phthalate
379 ppb Fluorene
*** =3420 ppb Bis (2-ethylhexyl phthalate
ppm =parts per million or mg/Kg
ppb =parts per billion or µg/Kg

TABLE C
Sample Analytical Summary
Results in µg/Kg (ppb) unless noted

Product Piping Overexcavation Samples (Date Sampled 11/02/98)							
Sample ID	Depth in Feet	TPH as Gasoline	B	T	E	X	MTBE
PX1	4	2,490	88.1	ND<10	49.4	166	2,900
PX3	4	1,030	ND<5	ND<5	8.51	ND<10	1,300
PX4	4	ND<1,000	ND<5	ND<5	ND<5	ND<10	40.7
PX6	4	ND<1,000	ND<5	ND<5	ND<5	ND<10	555

ND =Not detected at or above laboratory detection limits
TPH =Total petroleum hydrocarbons
B =Benzene
T =Toluene
E =Ethylbenzene
X =Xylenes
MTBE =Methyl tert butyl ether
ppb =parts per billion or µg/Kg

TABLE D
Sample Analytical Summary
Results in μg/Kg (ppb) unless noted

Used Oil Stockpile Samples (Date Sampled 10/26/98)

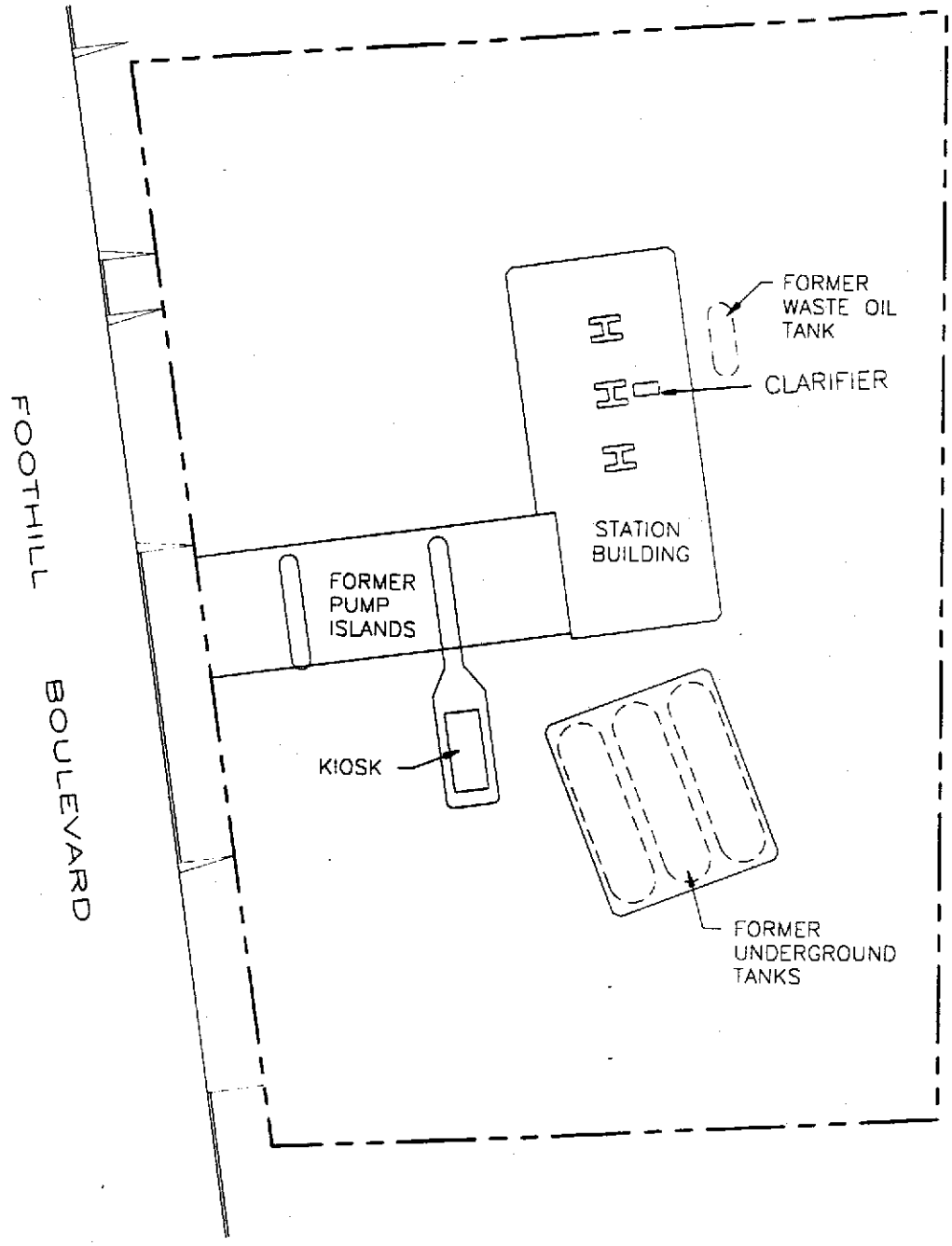
Sample ID	Depth in Feet	TPH as Gasoline	B	T	E	X	MTBE	TPH as Diesel	TOG 5520	8010	8270
UOSP-1 (a-d)	Stockpile	ND<1,000	ND<5	ND<5	ND<5	ND<10	ND<25	30 ppm	128 ppm	6.3 ★	★★

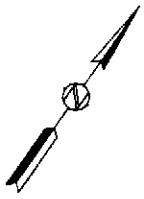
ND =Not detected at or above laboratory detection limits
TPH =Total petroleum hydrocarbons
B =Benzene
T =Toluene
E =Ethylbenzene
X =Xylenes
MTBE =Methyl tert butyl ether
TOG =Total oil and grease
CAR's =Certified Analytical Reports (Appendix B)
★ =Methylene Chloride
★★ =See CAR's for positive results
ppm =parts per million or mg/Kg
ppb =parts per billion or μg/Kg

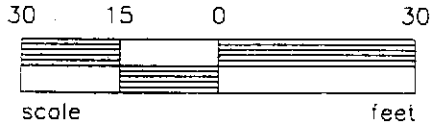
UST & Piping Stockpile Samples (Date Sampled 10/26/98)

Sample ID	Depth in Feet	TPH as Gasoline	B	T	E	X	MTBE	8010	Total Lead
SP-1 (a-d)	Stockpile	ND<1,000	ND<5	ND<5	ND<5	ND<10	87.9	NA	3.7 ppm
SP-2 (a-d)	Stockpile	342,000	ND<100	1,300	3,780	11,100	ND<500	ND	12 ppm

ND =Not detected at or above laboratory detection limits
NA =Not analyzed
TPH =Total petroleum hydrocarbons
B =Benzene
T =Toluene
E =Ethylbenzene
X =Xylenes
MTBE =Methyl tert butyl ether
ppm =parts per million or mg/Kg
ppb =parts per billion or μg/Kg

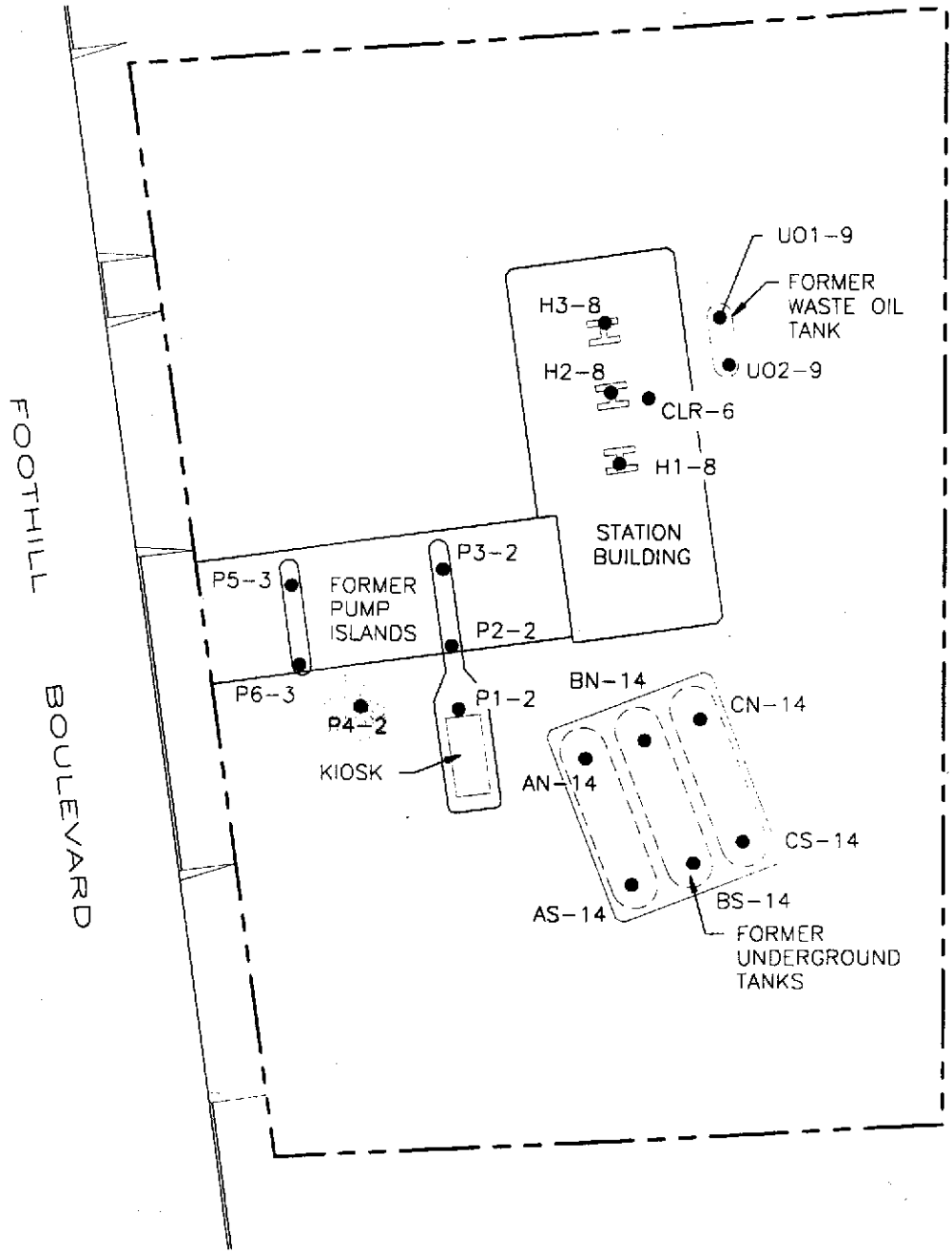






Reference: Site Plan by Standard Oil Company.

Touchstone Developments Environmental Management	Job. No: 98-8139 Appr: Drwn: CD Date: OCT 1998	SITE PLAN Former Chevron Station 9-8139 16304 Foothill Blvd. San Leandro, California	FIGURE 1



LEGEND

● P1 SAMPLE ID & LOCATION

30 15 0 30

scale feet

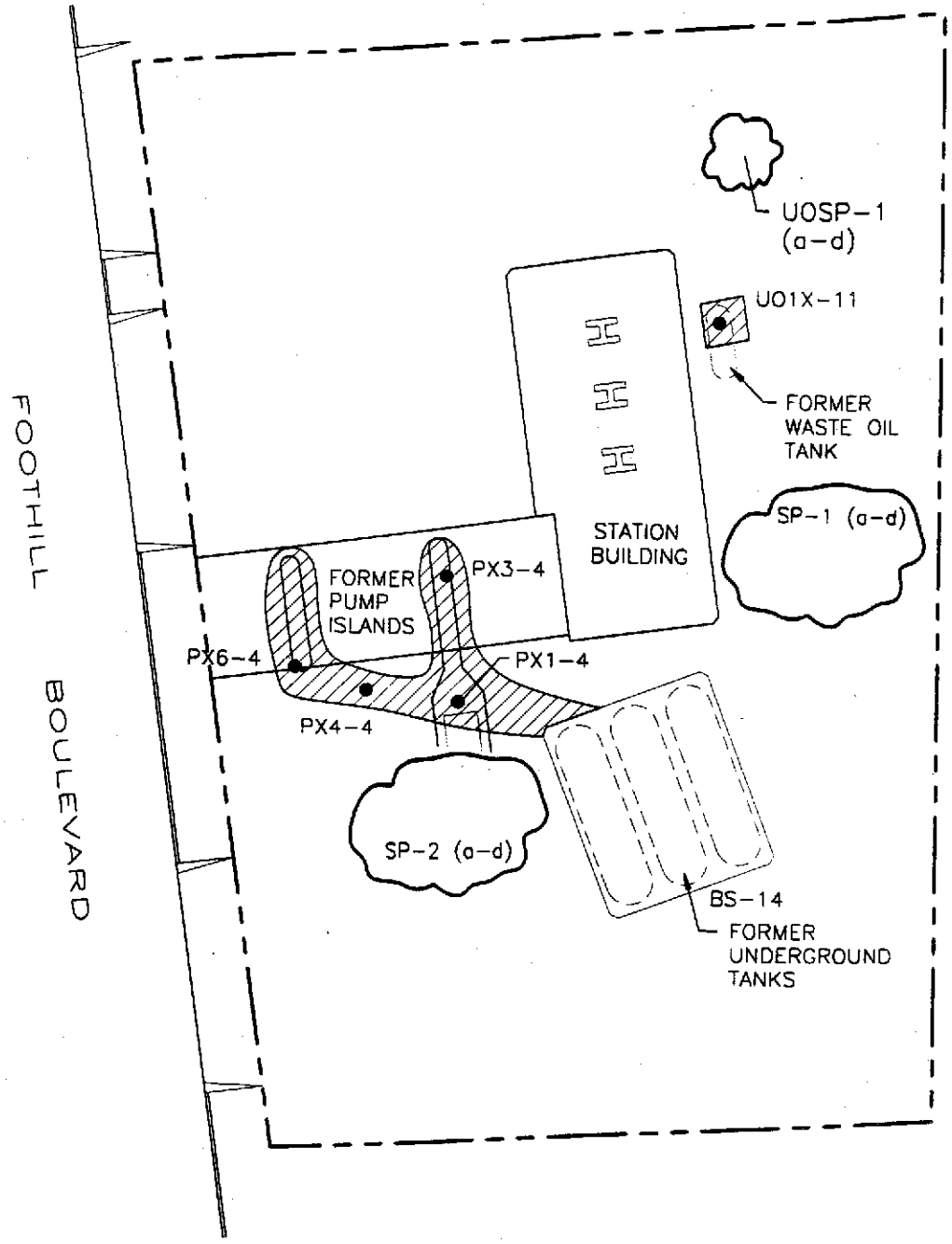
Reference: Site Plan by Standard Oil Company.

Touchstone Developments
Environmental Management

Job. No: 98-8139
Appr:
Drwn: CD
Date: OCT 1998

SITE PLAN W/
SAMPLE LOCATIONS
Former Chevron Station 9-8139
16304 Foothill Blvd.
San Leandro, California

FIGURE
2



LEGEND

P1 SAMPLE ID & LOCATION

EXCAVATION LIMITS

STOCKPILE

30 15 0 30

scale feet

Reference: Site Plan by Standard Oil Company.

Touchstone Developments
Environmental Management

Job. No: 98-8139
Appr:
Drwn: CD
Date: OCT 1998

SITE PLAN W/OVEREXCAVATION & SAMPLE LOCATIONS
Former Chevron Station 9-8139
16304 Foothill Blvd.
San Leandro, California

FIGURE 3

APPENDIX A

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

1131 Harbor Bay Pkwy.
Suite 250
Alameda, CA 94502-6577
(510) 567-6700

Hazardous Materials Inspection Form

II,III

Site ID # 1801 Site Name Chevron #8139 Today's Date 10/26/98

Site Address 16304 Foothill Bl.

City San Leandro Zip 94578 Phone

___ MAX AMT stored > 500 lbs. 55gal., 200 cft.?

Inspection Categories:
___ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
___ II. Business Plans, Acute Hazardous Materials
✓ III. Underground Tanks

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

II.A BUSINESS PLANS (Title 19)

___	1. Immediate Reporting	2703
___	2. Bus. Plan Stds.	25503(b)
___	3. RR Cars > 30 days	25503.7
___	4. Inventory Information	25504(a)
___	5. Inventory Complete	2730
___	6. Emergency Response	25504(b)
___	7. Training	25504(c)
___	8. Deficiency	25505(a)
___	9. Modification	25505(b)

II.B ACUTELY HAZ. MAT'LS

___	10. Registration Form Filed	25533(a)
___	11. Form Complete	25533(b)
___	12. RMPP Contents	25534(c)
___	13. Implement Sch. Req'd? (Y/N)	___
___	14. OffSite Conseq. Assess.	25524(c)
___	15. Probable Risk Assessment	25534(d)
___	16. Persons Responsible	25534(g)
___	17. Certification	25534(f)
___	18. Exemption Request? (Y/N)	25536(b)
___	19. Trade Secret Requested?	25538

III. UNDERGROUND TANKS (Title 23)

General

___	1. Permit Application	25284 (H&S)
___	2. Pipeline Leak Detection	25292 (H&S)
___	3. Records Maintenance	2712
___	4. Release Report	2651
___	5. Closure Plans	2670

Monitoring for Existing Tanks

___ 6. Method
1) Monthly Test
2) Daily Vadose
Semiannual gndwater
One time soils
3) Daily Vadose
One time soils
Annual tank test
4) Monthly Gndwater
One time soils
5) Daily Inventory
Annual tank testing
Cont pipe leak det
Vadose/gndwater mon.
6) Daily Inventory
Annual tank testing
Cont pipe leak det
7) Weekly Tank Gauge
Annual tank tsting
8) Annual Tank Testing
Daily Inventory
9) Other ___

___	7. Precs Tank Test Date: ___	2643
___	8. Inventory Rec.	2644
___	9. Soil Testing.	2646
___	10. Ground Water.	2647

New Tanks

___	11. Monitor Plan	2632
___	12. Access. Secure	2634
___	13. Plans Submit Date: ___	2711
___	14. As Built Date: ___	2635

Rev 6/88

Comments:

On site to witness removal of 3 fuel and oil waste oil UST. The Fire Dept was not present so I checked O_2/LEL %. "OK" was given to pull fuel UST as %LEL was < 3%. O_2 was < 18% in each tank.

Fuel tank are comprised of FRP and are single walled.

(1) West UST- appears intact. Product globules seeped into pit from backfill on water present in the tank invert at the base of the excavation

(2) Center UST- condition as above

(3) East UST- condition a above

(4) Waste oil UST. LEL/O_2 was not measured as the only access was taken from the site by one of the ECI drivers. Attempts to reach him by phone were unsuccessful. "OK" was given to remove tank as: 1) it was a waste oil tank, 2) it had been pressure washed after being voided and 3) a reported 30 lbs of dry ice was added for the 1000 gallon capacity, twice the required amount.

II, III

Contact: Jeff Monroe

Title: Touchstone Development Inspector: S Seery

Signature: Signature:

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

Hazardous Materials Inspection Form

80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320

II,III

Site ID # 1801 Site Name Chevron #8139 Today's Date 10/26/96

Site Address 16304 Foothill Bl.

City S. Leandro Zip 94578 Phone

___ MAX AMT stored > 500 lbs., 55 gal., 200 cft.?

Inspection Categories:
___ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
___ II. Business Plans: Acute Hazardous Materials
✓ III. Underground Tanks

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

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II.B ACUTELY HAZ. MAT'LS

___	10. Registration Form Filed	25533(a)
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___	13. Implement Sch. Req'd? (Y/N)	___
___	14. OffSite Conseq. Assess.	25524(c)
___	15. Probable Risk Assessment	25534(d)
___	16. Persons Responsible	25534(g)
___	17. Certification	25534(f)
___	18. Exemption Request? (Y/N)	25536(b)
___	19. Trade Secret Requested?	25538

III. UNDERGROUND TANKS (Title 23)

General

___	1. Permit Application	25284 (H&S)
___	2. Pipeline Leak Detection	25292 (H&S)
___	3. Records Maintenance	2712
___	4. Release Report	2651
___	5. Closure Plans	2670

Monitoring for Existing Tanks

___ 6. Method
1) Monthly Test
2) Daily Vadose
Semi-annual gndwater
One time soils
3) Daily Vadose
One time soils
Annual tank test
4) Monthly Gndwater
One time soils
5) Daily Inventory
Annual tank testing
Cont pipe leak det
Vadose/gndwater mon.
6) Daily Inventory
Annual tank testing
Cont pipe leak det
7) Weekly Tank Gauge
Annual tank tstng
8) Annual Tank Testing
Daily Inventory
9) Other ___

___	7. Precis Tank Test Date: ___	2643
___	8. Inventory Rec.	2644
___	9. Soil Testing.	2646
___	10. Ground Water.	2647

New Tanks

___	11. Monitor Plan	2632
___	12. Access. Secure	2634
___	13. Plans Submit Date: ___	2711
___	14. As Built Date: ___	2635

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Comments:

(4) waste oil UST (con't.) - tank was intact. Some oil staining was seen spilling down the outside of tank due to apparent overfilling. (See photo)

Sampling: 24 hr turnaround

(24) Waste oil - apparent rain water had infiltrated the tank pit. Samples were collected initially from both ends of the pit. The north end was very odorous and stained - the south end relatively clean. The north end was extended to ~11' BG and resampled. It appeared cleaner than shallower sample. Analytes: TPH-G/D, BTEX, HVOC, SVOC, metals, O+G

(1)(2)(3) Fuel tanks - it was very difficult to determine if the H2O in pit was GW or from infiltration as a consequence of the recent rains. A decision was made to sample the pit bottom below the ends of ea. tank.

Piping/dispensers - Samples (6) were collected from below dispensers and piping runs in various locations

Contact: Jeff Munroe

Title: Touchstone Development

Signature: ___

Inspector: S. Seery

Signature: ___

II, III

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320

Hazardous Materials Division Inspection Form

I

Site ID# 1801 Site Name Chevron #8139 Today's Date 10/26/88

Site Address 16304 Foothill Bl EPA ID# _____

City San Leandro Zip 94578 Phone _____

MAX Amt. Stored > 500lbs/55g/200cf? Y N
Hazardous Waste generated per month? _____

Inspection Categories:
___ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
___ II. Business Plans, Acute Hazardous Materials
✓ III. Underground Tanks

The marked items represent violations of the Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

I.A GENERATOR (Title 22)

	1. Waste ID	* 66471
	2. EPA ID	66472
	3. > 90 days	66508
	4. Label dates	66508
	5. Biennial	66493
Manifest	6. Records	66492
	7. Correct	66484
	8. Copy sent	66492
	9. Exception	66484
	10. Copies Rec'd	66492
Misc.	11. Treatment	66371
	12. On-site Disp. (H.S.&C.)	26189.5
	13. Ex Haz. Waste	66570
Prevention	14. Communications	67121
	15. Aisle Space	67124
	16. Local Authority	67126
	17. Maintenance	67120
	18. Training	67105
Contin. gency	19. Prepared	67140
	20. Name List	67141
	21. Copies	67141
	22. Emg. Coord. Trng.	67144
Containers, Tanks	23. Condition	67241
	24. Compatibility	67242
	25. Maintenance	67243
	26. Inspection	67244
	27. Buffer Zone	67246
	28. Tank Inspection	67259
	29. Containment	67245
	30. Safe Storage	67261
	31. Freeboard	67257

I.B TRANSPORTER (Title 22)

	32. Appic./Insurance	66428
	33. Comp. Cert./CHP Insp.	66448
	34. Containers	66465
Manifest	35. Vehicles	66465
	36. EPA ID #s	66531
	37. Correct	66541
	38. HW Delivery	66543
	39. Records	66544
Cont'rs	40. Name/ Covers	66545
	41. Recyclables	66800

Comments:

oil water separater / hoists - samples were also collected from below each hydraulic hoist (3) and below separator sump

The samples collected from hoists to be analyzed for O+G. Sample collected from below separator to be ran for waste oil suite.

Samples from fuel UST pit and piping / dispensers to be ran for TPH-G, BTEX, MTBE. Hotest MTBE hit from UST pit to be run for 8260 confirmation. Hotest MTBE hit from piping / dispenser also to run 8260 analysis.

Rev 6/88

I

Contact: Jeff Monroe
Title: Technical Development
Signature: _____

Inspector: S. Seery
Signature: _____

APPENDIX B

Chemical Analytical Reports and COC Form

Analytical Reports and Chain-of-Custody forms

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

November 2, 1998

Mr. Jeff Monroe
Touchstone Developments
PO Box 2554
Santa Rosa, CA 95405

RE: Chevron/General/P810399

Dear Mr. Jeff Monroe

Enclosed are the results of analyses for sample(s) received by the laboratory on October 27, 1998. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Debbie Leibensberger
Project Manager

CA ELAP Certificate Number 2245

Sequoia Analytical

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Touchstone Developments	Project:	Chevron/General	Sampled:	10/26/98
PO Box 2554	Project Number:	9-8139	Received:	10/27/98
Santa Rosa, CA 95405	Project Manager:	Mr. Jeff Monroe	Reported:	10/30/98

ANALYTICAL REPORT FOR P810399

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
U01-9	P810399-01	Soil	10/26/98
U02-9	P810399-02	Soil	10/26/98
U01X-11	P810399-03	Soil	10/26/98
CLR-6	P810399-04	Soil	10/26/98
AN-14	P810399-08	Soil	10/26/98
AS-14	P810399-09	Soil	10/26/98
BN-14	P810399-10	Soil	10/26/98
BS-14	P810399-11	Soil	10/26/98
CN-14	P810399-12	Soil	10/26/98
CS-14	P810399-13	Soil	10/26/98
P1-2	P810399-14	Soil	10/26/98
P2-2	P810399-15	Soil	10/26/98
P3-2	P810399-16	Soil	10/26/98
P4-2	P810399-17	Soil	10/26/98
P5-3	P810399-18	Soil	10/26/98
P6-3	P810399-19	Soil	10/26/98
U0SP-1(A-D)	P810399-20	Soil	10/26/98
SP-1(A-D)	P810399-21	Soil	10/26/98
SP-2(A-D)	P810399-22	Soil	10/26/98

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Touchstone Developments	Project:	Chevron/General	Sampled: 10/26/98
PO Box 2554	Project Number:	9-8139	Received: 10/27/98
Santa Rosa, CA 95405	Project Manager:	Mr. Jeff Monroe	Reported: 11/2/98

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
U01-9			**P810399-01**				**Soil**	
Gasoline	8100492	10/28/98	10/28/98		1000	**3900**	ug/kg	
Benzene	"	"	"		5.00	ND	"	
Toluene	"	"	"		5.00	ND	"	
Ethylbenzene	"	"	"		5.00	ND	"	
Xylenes (total)	"	"	"		10.0	ND	"	
Methyl tert-butyl ether	"	"	"		25.0	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	-		*90.7*	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	-		*94.3*	"	
U02-9			**P810399-02**				**Soil**	
Gasoline	8100492	10/28/98	10/28/98		1000	ND	ug/kg	
Benzene	"	"	"		5.00	ND	"	
Toluene	"	"	"		5.00	ND	"	
Ethylbenzene	"	"	"		5.00	ND	"	
Xylenes (total)	"	"	"		10.0	ND	"	
Methyl tert-butyl ether	"	"	"		25.0	**36.4**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	-		*89.0*	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	-		*90.0*	"	
U01X-11			**P810399-03**				**Soil**	
Gasoline	8100492	10/28/98	10/28/98		1000	ND	ug/kg	
Benzene	"	"	"		5.00	ND	"	
Toluene	"	"	"		5.00	ND	"	
Ethylbenzene	"	"	"		5.00	ND	"	
Xylenes (total)	"	"	"		10.0	ND	"	
Methyl tert-butyl ether	"	"	"		25.0	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	-		*89.7*	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	-		*90.0*	"	
CLR-6			**P810399-04**				**Soil**	
Gasoline	8100492	10/28/98	10/28/98		2000	**4720**	ug/kg	
Benzene	"	"	"		10.0	ND	"	
Toluene	"	"	"		10.0	ND	"	
Ethylbenzene	"	"	"		10.0	ND	"	
Xylenes (total)	"	"	"		20.0	ND	"	
Methyl tert-butyl ether	"	"	"		50.0	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	-		*89.0*	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	-		*100*	"	
AN-14			**P810399-08**				**Soil**	
Gasoline	8100513	10/28/98	10/28/98		200000	ND	ug/kg	

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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Touchstone Developments	Project:	Chevron/General	Sampled: 10/26/98
PO Box 2554	Project Number:	9-8139	Received: 10/27/98
Santa Rosa, CA 95405	Project Manager:	Mr. Jeff Monroe	Reported: 11/2/98

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
AN-14 (continued)			**P810399-08**				**Soil**	
Benzene	8100513	10/28/98	10/28/98		1000	ND	ug/kg	
Toluene	"	"	"		1000	ND	"	
Ethylbenzene	"	"	"		1000	ND	"	
Xylenes (total)	"	"	"		2000	ND	"	
Methyl tert-butyl ether	"	"	"		5000	**8900**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	-		*105*	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	-		*104*	"	
AS-14			**P810399-09**				**Soil**	
Gasoline	8100513	10/28/98	10/28/98		20000	**28800**	ug/kg	
Benzene	"	"	"		100	ND	"	
Toluene	"	"	"		100	ND	"	
Ethylbenzene	"	"	"		100	ND	"	
Xylenes (total)	"	"	"		200	**726**	"	
Methyl tert-butyl ether	"	"	"		500	**12700**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	-		*102*	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	-		*97.3*	"	
BN-14			**P810399-10**				**Soil**	
Gasoline	8100513	10/28/98	10/28/98		20000	**154000**	ug/kg	
Benzene	"	"	"		100	ND	"	
Toluene	"	"	"		100	ND	"	
Ethylbenzene	"	"	"		100	**875**	"	
Xylenes (total)	"	"	"		200	**9860**	"	
Methyl tert-butyl ether	"	"	"		500	**1410**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	-		*101*	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	-		*99.3*	"	
BS-14			**P810399-11**				**Soil**	
Gasoline	8100513	10/28/98	10/28/98		20000	ND	ug/kg	
Benzene	"	"	"		100	ND	"	
Toluene	"	"	"		100	ND	"	
Ethylbenzene	"	"	"		100	ND	"	
Xylenes (total)	"	"	"		200	ND	"	
Methyl tert-butyl ether	"	"	"		500	**7690**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	-		*104*	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	-		*97.0*	"	
CN-14			**P810399-12**				**Soil**	
Gasoline	8100492	10/28/98	10/28/98		1000	ND	ug/kg	
Benzene	"	"	"		5.00	ND	"	

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Touchstone Developments	Project:	Chevron/General	Sampled: 10/26/98
PO Box 2554	Project Number:	9-8139	Received: 10/27/98
Santa Rosa, CA 95405	Project Manager:	Mr. Jeff Monroe	Reported: 11/2/98

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
CN-14 (continued)			**P810399-12**				**Soil**	
Toluene	8100492	10/28/98	10/28/98		5.00	ND	ug/kg	
Ethylbenzene	"	"	"		5.00	**6.32**	"	
Xylenes (total)	"	"	"		10.0	**17.7**	"	
Methyl tert-butyl ether	"	"	"		25.0	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	-		*93.7*	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	-		*96.3*	"	
CS-14			**P810399-13**				**Soil**	
Gasoline	8100513	10/28/98	10/28/98		20000	ND	ug/kg	
Benzene	"	"	"		100	ND	"	
Toluene	"	"	"		100	ND	"	
Ethylbenzene	"	"	"		100	ND	"	
Xylenes (total)	"	"	"		200	ND	"	
Methyl tert-butyl ether	"	"	"		500	**7510**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	-		*100*	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	-		*96.0*	"	
P1-2			**P810399-14**				**Soil**	
Gasoline	8100492	10/28/98	10/28/98		2000	**11400**	ug/kg	
Benzene	"	"	"		10.0	**434**	"	
Toluene	"	"	"		10.0	**359**	"	
Ethylbenzene	"	"	"		10.0	**268**	"	
Xylenes (total)	"	"	"		20.0	**1290**	"	
Methyl tert-butyl ether	"	"	"		50.0	**3470**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	-		*88.3*	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	-		*90.0*	"	
P2-2			**P810399-15**				**Soil**	
Gasoline	8100492	10/28/98	10/28/98		2000	ND	ug/kg	
Benzene	"	"	"		10.0	ND	"	
Toluene	"	"	"		10.0	ND	"	
Ethylbenzene	"	"	"		10.0	ND	"	
Xylenes (total)	"	"	"		20.0	ND	"	
Methyl tert-butyl ether	"	"	"		50.0	**778**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	-		*87.0*	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	-		*91.3*	"	
P3-2			**P810399-16**				**Soil**	
Gasoline	8100513	10/28/98	10/28/98		200000	ND	ug/kg	
Benzene	"	"	"		1000	ND	"	
Toluene	"	"	"		1000	ND	"	

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Touchstone Developments	Project:	Chevron/General	Sampled: 10/26/98
PO Box 2554	Project Number:	9-8139	Received: 10/27/98
Santa Rosa, CA 95405	Project Manager:	Mr. Jeff Monroe	Reported: 11/2/98

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
P3-2 (continued)			**P810399-16**				**Soil**	
Ethylbenzene	8100513	10/28/98	10/28/98		1000	ND	ug/kg	
Xylenes (total)	"	"	"		2000	ND	"	
Methyl tert-butyl ether	"	"	"		5000	**8610**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	-		*108*	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	-		*107*	"	
P4-2			**P810399-17**				**Soil**	
Gasoline	8100513	10/28/98	10/28/98		200000	**1560000**	ug/kg	
Benzene	"	"	"		1000	ND	"	
Toluene	"	"	"		1000	**5240**	"	
Ethylbenzene	"	"	"		1000	**30600**	"	
Xylenes (total)	"	"	"		2000	**8460**	"	
Methyl tert-butyl ether	"	"	"		5000	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	-		*108*	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	-		*146*	"	*1*
P5-3			**P810399-18**				**Soil**	
Gasoline	8100492	10/28/98	10/28/98		1000	**1060**	ug/kg	
Benzene	"	"	"		5.00	**28.0**	"	
Toluene	"	"	"		5.00	ND	"	
Ethylbenzene	"	"	"		5.00	**7.49**	"	
Xylenes (total)	"	"	"		10.0	ND	"	
Methyl tert-butyl ether	"	"	"		25.0	**283**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	-		*84.3*	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	-		*85.0*	"	
P6-3			**P810399-19**				**Soil**	
Gasoline	8100492	10/28/98	10/28/98		2000	**13300**	ug/kg	
Benzene	"	"	"		10.0	**372**	"	
Toluene	"	"	"		10.0	**90.0**	"	
Ethylbenzene	"	"	"		10.0	**248**	"	
Xylenes (total)	"	"	"		20.0	**1150**	"	
Methyl tert-butyl ether	"	"	"		50.0	**2260**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	-		*87.3*	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	-		*90.3*	"	
U0SP-1(A-D)			**P810399-20**				**Soil**	
Gasoline	8100492	10/28/98	10/28/98		1000	ND	ug/kg	
Benzene	"	"	"		5.00	ND	"	
Toluene	"	"	"		5.00	ND	"	
Ethylbenzene	"	"	"		5.00	ND	"	

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Touchstone Developments	Project:	Chevron/General	Sampled: 10/26/98
PO Box 2554	Project Number:	9-8139	Received: 10/27/98
Santa Rosa, CA 95405	Project Manager:	Mr. Jeff Monroe	Reported: 11/2/98

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
U0SP-1(A-D) (continued)			**P810399-20**				**Soil**	
Xylenes (total)	8100492	10/28/98	10/28/98		10.0	ND	ug/kg	
Methyl tert-butyl ether	"	"	"		25.0	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	-		*84.3*	*%*	
Surrogate: 4-Bromofluorobenzene	"	"	"	-		*87.0*	"	
SP-1(A-D)			**P810399-21**				**Soil**	
Gasoline	8100492	10/28/98	10/28/98		1000	ND	ug/kg	
Benzene	"	"	"		5.00	ND	"	
Toluene	"	"	"		5.00	ND	"	
Ethylbenzene	"	"	"		5.00	ND	"	
Xylenes (total)	"	"	"		10.0	ND	"	
Methyl tert-butyl ether	"	"	"		25.0	**87.9**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	-		*82.3*	*%*	
Surrogate: 4-Bromofluorobenzene	"	"	"	-		*86.0*	"	
SP-2(A-D)			**P810399-22**				**Soil**	
Gasoline	8100513	10/28/98	10/28/98		20000	**842000**	ug/kg	
Benzene	"	"	"		100	ND	"	
Toluene	"	"	"		100	**1300**	"	
Ethylbenzene	"	"	"		100	**3780**	"	
Xylenes (total)	"	"	"		200	**11100**	"	
Methyl tert-butyl ether	"	"	"		500	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	-		*48.3*	*%*	*1*
Surrogate: 4-Bromofluorobenzene	"	"	"	-		*65.3*	"	

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Touchstone Developments	Project:	Chevron/General	Sampled: 10/26/98
PO Box 2554	Project Number:	9-8139	Received: 10/27/98
Santa Rosa, CA 95405	Project Manager:	Mr. Jeff Monroe	Reported: 10/30/98

Volatile Organic Compounds by EPA Method 8010B
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
U01-9			**P810399-01**				**Soil**	
Bromodichloromethane	8100549	10/27/98	10/27/98		50.0	ND	ug/kg	
Bromoform	"	"	"		50.0	ND	"	
Bromomethane	"	"	"		50.0	ND	"	
Carbon tetrachloride	"	"	"		50.0	ND	"	
Chlorobenzene	"	"	"		50.0	ND	"	
Chloroethane	"	"	"		50.0	ND	"	
2-Chloroethylvinyl ether	"	"	"		500	ND	"	
Chloroform	"	"	"		50.0	ND	"	
Chloromethane	"	"	"		50.0	ND	"	
Dibromochloromethane	"	"	"		50.0	ND	"	
1,2-Dibromoethane (EDB)	"	"	"		50.0	ND	"	
1,2-Dichlorobenzene	"	"	"		50.0	ND	"	
1,3-Dichlorobenzene	"	"	"		50.0	ND	"	
1,4-Dichlorobenzene	"	"	"		50.0	ND	"	
Dichlorodifluoromethane	"	"	"		50.0	ND	"	
1,1-Dichloroethane	"	"	"		50.0	ND	"	
1,2-Dichloroethane	"	"	"		50.0	ND	"	
1,1-Dichloroethene	"	"	"		50.0	ND	"	
cis-1,2-Dichloroethene	"	"	"		50.0	ND	"	
trans-1,2-Dichloroethene	"	"	"		50.0	ND	"	
1,2-Dichloropropane	"	"	"		50.0	ND	"	
cis-1,3-Dichloropropene	"	"	"		50.0	ND	"	
trans-1,3-Dichloropropene	"	"	"		50.0	ND	"	
Freon 113	"	"	"		50.0	ND	"	
Methylene chloride	"	"	"		50.0	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		50.0	ND	"	
Tetrachloroethene	"	"	"		50.0	ND	"	
1,1,2-Trichloroethane	"	"	"		50.0	ND	"	
1,1,1-Trichloroethane	"	"	"		50.0	ND	"	
Trichloroethene	"	"	"		50.0	ND	"	
Trichlorofluoromethane	"	"	"		50.0	ND	"	
Vinyl chloride	"	"	"		50.0	ND	"	
Surrogate: Bromochloromethane	"	"	"	-		*102*	*%*	
Surrogate: 1,4-Dichlorobutane	"	"	"	-		*102*	"	

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Touchstone Developments	Project:	Chevron/General	Sampled: 10/26/98
PO Box 2554	Project Number:	9-8139	Received: 10/27/98
Santa Rosa, CA 95405	Project Manager:	Mr. Jeff Monroe	Reported: 10/30/98

Volatile Organic Compounds by EPA Method 8010B
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
U02-9			**P810399-02**				**Soil**	
Bromodichloromethane	8100549	10/27/98	10/27/98		50.0	ND	ug/kg	
Bromoform	"	"	"		50.0	ND	"	
Bromomethane	"	"	"		50.0	ND	"	
Carbon tetrachloride	"	"	"		50.0	ND	"	
Chlorobenzene	"	"	"		50.0	ND	"	
Chloroethane	"	"	"		50.0	ND	"	
2-Chloroethylvinyl ether	"	"	"		500	ND	"	
Chloroform	"	"	"		50.0	ND	"	
Chloromethane	"	"	"		50.0	ND	"	
Dibromochloromethane	"	"	"		50.0	ND	"	
1,2-Dibromoethane (EDB)	"	"	"		50.0	ND	"	
1,2-Dichlorobenzene	"	"	"		50.0	ND	"	
1,3-Dichlorobenzene	"	"	"		50.0	ND	"	
1,4-Dichlorobenzene	"	"	"		50.0	ND	"	
Dichlorodifluoromethane	"	"	"		50.0	ND	"	
1,1-Dichloroethane	"	"	"		50.0	ND	"	
1,2-Dichloroethane	"	"	"		50.0	ND	"	
1,1-Dichloroethene	"	"	"		50.0	ND	"	
cis-1,2-Dichloroethene	"	"	"		50.0	ND	"	
trans-1,2-Dichloroethene	"	"	"		50.0	ND	"	
1,2-Dichloropropane	"	"	"		50.0	ND	"	
cis-1,3-Dichloropropene	"	"	"		50.0	ND	"	
trans-1,3-Dichloropropene	"	"	"		50.0	ND	"	
Freon 113	"	"	"		50.0	ND	"	
Methylene chloride	"	"	"		50.0	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		50.0	ND	"	
Tetrachloroethene	"	"	"		50.0	ND	"	
1,1,2-Trichloroethane	"	"	"		50.0	ND	"	
1,1,1-Trichloroethane	"	"	"		50.0	ND	"	
Trichloroethene	"	"	"		50.0	ND	"	
Trichlorofluoromethane	"	"	"		50.0	ND	"	
Vinyl chloride	"	"	"		50.0	ND	"	
Surrogate: Bromochloromethane	"	"	"	-		*103*	%	
Surrogate: 1,4-Dichlorobutane	"	"	"	-		*102*	"	

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Touchstone Developments	Project:	Chevron/General	Sampled: 10/26/98
PO Box 2554	Project Number:	9-8139	Received: 10/27/98
Santa Rosa, CA 95405	Project Manager:	Mr. Jeff Monroe	Reported: 10/30/98

Volatile Organic Compounds by EPA Method 8010B
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
U01X-11			**P810399-03**				**Soil**	
Bromodichloromethane	8100549	10/27/98	10/27/98		50.0	ND	ug/kg	
Bromoform	"	"	"		50.0	ND	"	
Bromomethane	"	"	"		50.0	ND	"	
Carbon tetrachloride	"	"	"		50.0	ND	"	
Chlorobenzene	"	"	"		50.0	ND	"	
Chloroethane	"	"	"		50.0	ND	"	
2-Chloroethylvinyl ether	"	"	"		500	ND	"	
Chloroform	"	"	"		50.0	ND	"	
Chloromethane	"	"	"		50.0	ND	"	
Dibromochloromethane	"	"	"		50.0	ND	"	
1,2-Dibromoethane (EDB)	"	"	"		50.0	ND	"	
1,2-Dichlorobenzene	"	"	"		50.0	ND	"	
1,3-Dichlorobenzene	"	"	"		50.0	ND	"	
1,4-Dichlorobenzene	"	"	"		50.0	ND	"	
Dichlorodifluoromethane	"	"	"		50.0	ND	"	
1,1-Dichloroethane	"	"	"		50.0	ND	"	
1,2-Dichloroethane	"	"	"		50.0	ND	"	
1,1-Dichloroethene	"	"	"		50.0	ND	"	
cis-1,2-Dichloroethene	"	"	"		50.0	ND	"	
trans-1,2-Dichloroethene	"	"	"		50.0	ND	"	
1,2-Dichloropropane	"	"	"		50.0	ND	"	
cis-1,3-Dichloropropene	"	"	"		50.0	ND	"	
trans-1,3-Dichloropropene	"	"	"		50.0	ND	"	
Freon 113	"	"	"		50.0	ND	"	
Methylene chloride	"	"	"		50.0	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		50.0	ND	"	
Tetrachloroethene	"	"	"		50.0	ND	"	
1,1,2-Trichloroethane	"	"	"		50.0	ND	"	
1,1,1-Trichloroethane	"	"	"		50.0	ND	"	
Trichloroethene	"	"	"		50.0	ND	"	
Trichlorofluoromethane	"	"	"		50.0	ND	"	
Vinyl chloride	"	"	"		50.0	ND	"	
Surrogate: Bromochloromethane	"	"	"	-		*104*	*%*	
Surrogate: 1,4-Dichlorobutane	"	"	"	-		*98.3*	"	

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Touchstone Developments	Project:	Chevron/General	Sampled: 10/26/98
PO Box 2554	Project Number:	9-8139	Received: 10/27/98
Santa Rosa, CA 95405	Project Manager:	Mr. Jeff Monroe	Reported: 10/30/98

Volatile Organic Compounds by EPA Method 8010B
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
CLR-6			**P810399-04**				**Soil**	
Bromodichloromethane	8100549	10/27/98	10/27/98		50.0	ND	ug/kg	
Bromoform	"	"	"		50.0	ND	"	
Bromomethane	"	"	"		50.0	ND	"	
Carbon tetrachloride	"	"	"		50.0	ND	"	
Chlorobenzene	"	"	"		50.0	ND	"	
Chloroethane	"	"	"		50.0	ND	"	
2-Chloroethylvinyl ether	"	"	"		500	ND	"	
Chloroform	"	"	"		50.0	ND	"	
Chloromethane	"	"	"		50.0	ND	"	
Dibromochloromethane	"	"	"		50.0	ND	"	
1,2-Dibromoethane (EDB)	"	"	"		50.0	ND	"	
1,2-Dichlorobenzene	"	"	"		50.0	ND	"	
1,3-Dichlorobenzene	"	"	"		50.0	ND	"	
1,4-Dichlorobenzene	"	"	"		50.0	ND	"	
Dichlorodifluoromethane	"	"	"		50.0	ND	"	
1,1-Dichloroethane	"	"	"		50.0	ND	"	
1,2-Dichloroethane	"	"	"		50.0	ND	"	
1,1-Dichloroethene	"	"	"		50.0	ND	"	
cis-1,2-Dichloroethene	"	"	"		50.0	ND	"	
trans-1,2-Dichloroethene	"	"	"		50.0	ND	"	
1,2-Dichloropropane	"	"	"		50.0	ND	"	
cis-1,3-Dichloropropene	"	"	"		50.0	ND	"	
trans-1,3-Dichloropropene	"	"	"		50.0	ND	"	
Freon 113	"	"	"		50.0	ND	"	
Methylene chloride	"	"	"		50.0	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		50.0	ND	"	
Tetrachloroethene	"	"	"		50.0	ND	"	
1,1,2-Trichloroethane	"	"	"		50.0	ND	"	
1,1,1-Trichloroethane	"	"	"		50.0	ND	"	
Trichloroethene	"	"	"		50.0	ND	"	
Trichlorofluoromethane	"	"	"		50.0	ND	"	
Vinyl chloride	"	"	"		50.0	ND	"	
Surrogate: Bromochloromethane	"	"	"	-		*103*	%	
Surrogate: 1,4-Dichlorobutane	"	"	"	-		*103*	"	

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Touchstone Developments	Project:	Chevron/General	Sampled: 10/26/98
PO Box 2554	Project Number:	9-8139	Received: 10/27/98
Santa Rosa, CA 95405	Project Manager:	Mr. Jeff Monroe	Reported: 10/30/98

Volatile Organic Compounds by EPA Method 8260B
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
U0SP-1(A-D)			**P810399-20**				**Soil**	
Acetone	8100510	10/29/98	10/29/98		20.0	ND	ug/kg	
Benzene	"	"	"		5.00	ND	"	
Bromobenzene	"	"	"		5.00	ND	"	
Bromochloromethane	"	"	"		5.00	ND	"	
Bromodichloromethane	"	"	"		5.00	ND	"	
Bromoform	"	"	"		5.00	ND	"	
Bromomethane	"	"	"		5.00	ND	"	
2-Butanone	"	"	"		10.0	ND	"	
n-Butylbenzene	"	"	"		5.00	ND	"	
sec-Butylbenzene	"	"	"		5.00	ND	"	
tert-Butylbenzene	"	"	"		5.00	ND	"	
Carbon disulfide	"	"	"		10.0	ND	"	
Carbon tetrachloride	"	"	"		5.00	ND	"	
Chlorobenzene	"	"	"		5.00	ND	"	
Chloroethane	"	"	"		5.00	ND	"	
2-Chloroethylvinyl ether	"	"	"		5.00	ND	"	
Chloroform	"	"	"		5.00	ND	"	
Chloromethane	"	"	"		5.00	ND	"	
2-Chlorotoluene	"	"	"		5.00	ND	"	
4-Chlorotoluene	"	"	"		5.00	ND	"	
Dibromochloromethane	"	"	"		5.00	ND	"	
1,2-Dibromo-3-chloropropane	"	"	"		5.00	ND	"	
1,2-Dibromoethane (EDB)	"	"	"		5.00	ND	"	
Dibromomethane	"	"	"		5.00	ND	"	
1,2-Dichlorobenzene	"	"	"		5.00	ND	"	
1,3-Dichlorobenzene	"	"	"		5.00	ND	"	
1,4-Dichlorobenzene	"	"	"		5.00	ND	"	
Dichlorodifluoromethane	"	"	"		5.00	ND	"	
1,1-Dichloroethane	"	"	"		5.00	ND	"	
1,2-Dichloroethane	"	"	"		5.00	ND	"	
1,1-Dichloroethene	"	"	"		5.00	ND	"	
cis-1,2-Dichloroethene	"	"	"		5.00	ND	"	
trans-1,2-Dichloroethene	"	"	"		5.00	ND	"	
1,2-Dichloropropane	"	"	"		5.00	ND	"	
1,3-Dichloropropane	"	"	"		5.00	ND	"	
2,2-Dichloropropane	"	"	"		5.00	ND	"	
1,1-Dichloropropene	"	"	"		5.00	ND	"	
cis-1,3-Dichloropropene	"	"	"		5.00	ND	"	
trans-1,3-Dichloropropene	"	"	"		5.00	ND	"	
Ethylbenzene	"	"	"		5.00	ND	"	
Freon 113	"	"	"		5.00	ND	"	

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Touchstone Developments	Project:	Chevron/General	Sampled: 10/26/98
PO Box 2554	Project Number:	9-8139	Received: 10/27/98
Santa Rosa, CA 95405	Project Manager:	Mr. Jeff Monroe	Reported: 10/30/98

Volatile Organic Compounds by EPA Method 8260B
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
U0SP-1(A-D) (continued)			**P810399-20**				Soil	
Hexachlorobutadiene	8100510	10/29/98	10/29/98		5.00	ND	ug/kg	
2-Hexanone	"	"	"		10.0	ND	"	
Isopropylbenzene	"	"	"		5.00	ND	"	
p-Isopropyltoluene	"	"	"		5.00	ND	"	
Methylene chloride	"	"	"		5.00	**6.43**	"	2
4-Methyl-2-pentanone	"	"	"		10.0	ND	"	
Methyl tert-butyl ether	"	"	"		5.00	ND	"	
Naphthalene	"	"	"		5.00	ND	"	
n-Propylbenzene	"	"	"		5.00	ND	"	
Styrene	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		5.00	ND	"	
1,1,1,2-Tetrachloroethane	"	"	"		5.00	ND	"	
Tetrachloroethene	"	"	"		5.00	ND	"	
Toluene	"	"	"		5.00	ND	"	
1,2,3-Trichlorobenzene	"	"	"		5.00	ND	"	
1,2,4-Trichlorobenzene	"	"	"		5.00	ND	"	
1,1,2-Trichloroethane	"	"	"		5.00	ND	"	
1,1,1-Trichloroethane	"	"	"		5.00	ND	"	
Trichloroethene	"	"	"		5.00	ND	"	
Trichlorofluoromethane	"	"	"		5.00	ND	"	
1,2,3-Trichloropropane	"	"	"		5.00	ND	"	
1,3,5-Trimethylbenzene	"	"	"		5.00	ND	"	
1,2,4-Trimethylbenzene	"	"	"		5.00	ND	"	
Vinyl acetate	"	"	"		10.0	ND	"	
Vinyl chloride	"	"	"		5.00	ND	"	
m,p-Xylene	"	"	"		5.00	ND	"	
o-Xylene	"	"	"		5.00	ND	"	
Surrogate: Dibromofluoromethane	"	"	"	*80.0-120*		*96.8*	%	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	*80.0-120*		*92.8*	"	
Surrogate: Toluene-d8	"	"	"	*81.0-117*		*86.6*	"	
Surrogate: 4-Bromofluorobenzene	"	"	"	*74.0-121*		*88.6*	"	

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Touchstone Developments	Project:	Chevron/General	Sampled: 10/26/98
PO Box 2554	Project Number:	9-8139	Received: 10/27/98
Santa Rosa, CA 95405	Project Manager:	Mr. Jeff Monroe	Reported: 10/30/98

Semivolatile Organic Compounds by EPA Method 8270B
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
U01-9			**P810399-01**				**Soil**	
Acenaphthene	8100483	10/27/98	10/27/98		330	ND	ug/kg	
Acenaphthylene	"	"	"		330	ND	"	
Anthracene	"	"	"		330	ND	"	
Benzoic acid	"	"	"		1670	ND	"	
Benzo (a) anthracene	"	"	"		330	ND	"	
Benzo (b) fluoranthene	"	"	"		330	ND	"	
Benzo (k) fluoranthene	"	"	"		330	ND	"	
Benzo (g,h,i) perylene	"	"	"		330	ND	"	
Benzo (a) pyrene	"	"	"		330	ND	"	
Benzyl alcohol	"	"	"		660	ND	"	
Bis(2-chloroethoxy)methane	"	"	"		330	ND	"	
Bis(2-chloroethyl)ether	"	"	"		330	ND	"	
Bis(2-chloroisopropyl)ether	"	"	"		330	ND	"	
Bis(2-ethylhexyl)phthalate	"	"	"		330	**533**	"	
4-Bromophenyl phenyl ether	"	"	"		330	ND	"	
Butyl benzyl phthalate	"	"	"		330	ND	"	
4-Chloroaniline	"	"	"		660	ND	"	
4-Chloro-3-methylphenol	"	"	"		660	ND	"	
2-Chloronaphthalene	"	"	"		330	ND	"	
2-Chlorophenol	"	"	"		330	ND	"	
4-Chlorophenyl phenyl ether	"	"	"		330	ND	"	
Chrysene	"	"	"		330	ND	"	
Dibenz (a,h) anthracene	"	"	"		330	ND	"	
Dibenzofuran	"	"	"		330	ND	"	
Di-n-butyl phthalate	"	"	"		330	ND	"	
1,2-Dichlorobenzene	"	"	"		330	ND	"	
1,3-Dichlorobenzene	"	"	"		330	ND	"	
1,4-Dichlorobenzene	"	"	"		330	ND	"	
3,3'-Dichlorobenzidine	"	"	"		660	ND	"	
2,4-Dichlorophenol	"	"	"		330	ND	"	
Diethyl phthalate	"	"	"		330	ND	"	
2,4-Dimethylphenol	"	"	"		330	ND	"	
Dimethyl phthalate	"	"	"		330	ND	"	
4,6-Dinitro-2-methylphenol	"	"	"		1670	ND	"	
2,4-Dinitrophenol	"	"	"		1670	ND	"	
2,4-Dinitrotoluene	"	"	"		330	ND	"	
2,6-Dinitrotoluene	"	"	"		330	ND	"	
Di-n-octyl phthalate	"	"	"		330	ND	"	
Fluoranthene	"	"	"		330	ND	"	
Fluorene	"	"	"		330	**379**	"	
Hexachlorobenzene	"	"	"		330	ND	"	

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Touchstone Developments	Project:	Chevron/General	Sampled: 10/26/98
PO Box 2554	Project Number:	9-8139	Received: 10/27/98
Santa Rosa, CA 95405	Project Manager:	Mr. Jeff Monroe	Reported: 10/30/98

Semivolatile Organic Compounds by EPA Method 8270B
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
U01-9 (continued)			**P810399-01**				**Soil**	
Hexachlorobutadiene	8100483	10/27/98	10/27/98		330	ND	ug/kg	
Hexachlorocyclopentadiene	"	"	"		330	ND	"	
Hexachloroethane	"	"	"		330	ND	"	
Indeno (1,2,3-cd) pyrene	"	"	"		330	ND	"	
Isophorone	"	"	"		330	ND	"	
2-Methylnaphthalene	"	"	"		330	ND	"	
2-Methylphenol	"	"	"		330	ND	"	
4-Methylphenol	"	"	"		330	ND	"	
Naphthalene	"	"	"		330	ND	"	
2-Nitroaniline	"	"	"		1670	ND	"	
3-Nitroaniline	"	"	"		1670	ND	"	
4-Nitroaniline	"	"	"		1670	ND	"	
Nitrobenzene	"	"	"		330	ND	"	
2-Nitrophenol	"	"	"		330	ND	"	
4-Nitrophenol	"	"	"		1670	ND	"	
N-Nitrosodiphenylamine	"	"	"		330	ND	"	
N-Nitrosodi-n-propylamine	"	"	"		330	ND	"	
Pentachlorophenol	"	"	"		1670	ND	"	
Phenanthrene	"	"	"		330	ND	"	
Phenol	"	"	"		330	ND	"	
Pyrene	"	"	"		330	ND	"	
1,2,4-Trichlorobenzene	"	"	"		330	ND	"	
2,4,5-Trichlorophenol	"	"	"		330	ND	"	
2,4,6-Trichlorophenol	"	"	"		330	ND	"	
Surrogate: 2-Fluorophenol	"	"	"	-		*72.0*	%	
Surrogate: Phenol-d6	"	"	"	-		*81.4*	"	
Surrogate: Nitrobenzene-d5	"	"	"	-		*78.7*	"	
Surrogate: 2-Fluorobiphenyl	"	"	"	-		*66.4*	"	
Surrogate: 2,4,6-Tribromophenol	"	"	"	-		*62.0*	"	
Surrogate: Terphenyl-d14	"	"	"	-			"	

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Touchstone Developments	Project:	Chevron/General	Sampled: 10/26/98
PO Box 2554	Project Number:	9-8139	Received: 10/27/98
Santa Rosa, CA 95405	Project Manager:	Mr. Jeff Monroe	Reported: 10/30/98

Semivolatile Organic Compounds by EPA Method 8270B
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
U02-9			**P810399-02**				**Soil**	
Acenaphthene	8100483	10/27/98	10/27/98		330	ND	ug/kg	
Acenaphthylene	"	"	"		330	ND	"	
Anthracene	"	"	"		330	ND	"	
Benzoic acid	"	"	"		1670	ND	"	
Benzo (a) anthracene	"	"	"		330	ND	"	
Benzo (b) fluoranthene	"	"	"		330	ND	"	
Benzo (k) fluoranthene	"	"	"		330	ND	"	
Benzo (g,h,i) perylene	"	"	"		330	ND	"	
Benzo (a) pyrene	"	"	"		330	ND	"	
Benzyl alcohol	"	"	"		660	ND	"	
Bis(2-chloroethoxy)methane	"	"	"		330	ND	"	
Bis(2-chloroethyl)ether	"	"	"		330	ND	"	
Bis(2-chloroisopropyl)ether	"	"	"		330	ND	"	
Bis(2-ethylhexyl)phthalate	"	"	"		330	ND	"	
4-Bromophenyl phenyl ether	"	"	"		330	ND	"	
Butyl benzyl phthalate	"	"	"		330	ND	"	
4-Chloroaniline	"	"	"		660	ND	"	
4-Chloro-3-methylphenol	"	"	"		660	ND	"	
2-Chloronaphthalene	"	"	"		330	ND	"	
2-Chlorophenol	"	"	"		330	ND	"	
4-Chlorophenyl phenyl ether	"	"	"		330	ND	"	
Chrysene	"	"	"		330	ND	"	
Dibenz (a,h) anthracene	"	"	"		330	ND	"	
Dibenzofuran	"	"	"		330	ND	"	
Di-n-butyl phthalate	"	"	"		330	ND	"	
1,2-Dichlorobenzene	"	"	"		330	ND	"	
1,3-Dichlorobenzene	"	"	"		330	ND	"	
1,4-Dichlorobenzene	"	"	"		330	ND	"	
3,3'-Dichlorobenzidine	"	"	"		660	ND	"	
2,4-Dichlorophenol	"	"	"		330	ND	"	
Diethyl phthalate	"	"	"		330	ND	"	
2,4-Dimethylphenol	"	"	"		330	ND	"	
Dimethyl phthalate	"	"	"		330	ND	"	
4,6-Dinitro-2-methylphenol	"	"	"		1670	ND	"	
2,4-Dinitrophenol	"	"	"		1670	ND	"	
2,4-Dinitrotoluene	"	"	"		330	ND	"	
2,6-Dinitrotoluene	"	"	"		330	ND	"	
Di-n-octyl phthalate	"	"	"		330	ND	"	
Fluoranthene	"	"	"		330	ND	"	
Fluorene	"	"	"		330	ND	"	
Hexachlorobenzene	"	"	"		330	ND	"	

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Touchstone Developments	Project:	Chevron/General	Sampled: 10/26/98
PO Box 2554	Project Number:	9-8139	Received: 10/27/98
Santa Rosa, CA 95405	Project Manager:	Mr. Jeff Monroe	Reported: 10/30/98

Semivolatile Organic Compounds by EPA Method 8270B
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
U02-9 (continued)			**P810399-02**				**Soil**	
Hexachlorobutadiene	8100483	10/27/98	10/27/98		330	ND	ug/kg	
Hexachlorocyclopentadiene	"	"	"		330	ND	"	
Hexachloroethane	"	"	"		330	ND	"	
Indeno (1,2,3-cd) pyrene	"	"	"		330	ND	"	
Isophorone	"	"	"		330	ND	"	
2-Methylnaphthalene	"	"	"		330	ND	"	
2-Methylphenol	"	"	"		330	ND	"	
4-Methylphenol	"	"	"		330	ND	"	
Naphthalene	"	"	"		330	ND	"	
2-Nitroaniline	"	"	"		1670	ND	"	
3-Nitroaniline	"	"	"		1670	ND	"	
4-Nitroaniline	"	"	"		1670	ND	"	
Nitrobenzene	"	"	"		330	ND	"	
2-Nitrophenol	"	"	"		330	ND	"	
4-Nitrophenol	"	"	"		1670	ND	"	
N-Nitrosodiphenylamine	"	"	"		330	ND	"	
N-Nitrosodi-n-propylamine	"	"	"		330	ND	"	
Pentachlorophenol	"	"	"		1670	ND	"	
Phenanthrene	"	"	"		330	ND	"	
Phenol	"	"	"		330	ND	"	
Pyrene	"	"	"		330	ND	"	
1,2,4-Trichlorobenzene	"	"	"		330	ND	"	
2,4,5-Trichlorophenol	"	"	"		330	ND	"	
2,4,6-Trichlorophenol	"	"	"		330	ND	"	
Surrogate: 2-Fluorophenol	"	"	"	-		*74.6*	*%*	
Surrogate: Phenol-d6	"	"	"	-		*78.4*	"	
Surrogate: Nitrobenzene-d5	"	"	"	-		*74.8*	"	
Surrogate: 2-Fluorobiphenyl	"	"	"	-		*70.6*	"	
Surrogate: 2,4,6-Tribromophenol	"	"	"	-		*67.6*	"	
Surrogate: Terphenyl-d14	"	"	"	-			"	

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Touchstone Developments	Project:	Chevron/General	Sampled:	10/26/98
PO Box 2554	Project Number:	9-8139	Received:	10/27/98
Santa Rosa, CA 95405	Project Manager:	Mr. Jeff Monroe	Reported:	10/30/98

Semivolatile Organic Compounds by EPA Method 8270B
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
U01X-11			**P810399-03**				Soil	
Acenaphthene	8100483	10/27/98	10/27/98		330	ND	ug/kg	
Acenaphthylene	"	"	"		330	ND	"	
Anthracene	"	"	"		330	ND	"	
Benzoic acid	"	"	"		1670	ND	"	
Benzo (a) anthracene	"	"	"		330	ND	"	
Benzo (b) fluoranthene	"	"	"		330	ND	"	
Benzo (k) fluoranthene	"	"	"		330	ND	"	
Benzo (g,h,i) perylene	"	"	"		330	ND	"	
Benzo (a) pyrene	"	"	"		330	ND	"	
Benzyl alcohol	"	"	"		660	ND	"	
Bis(2-chloroethoxy)methane	"	"	"		330	ND	"	
Bis(2-chloroethyl)ether	"	"	"		330	ND	"	
Bis(2-chloroisopropyl)ether	"	"	"		330	ND	"	
Bis(2-ethylhexyl)phthalate	"	"	"		330	**3420**	"	
4-Bromophenyl phenyl ether	"	"	"		330	ND	"	
Butyl benzyl phthalate	"	"	"		330	ND	"	
4-Chloroaniline	"	"	"		660	ND	"	
4-Chloro-3-methylphenol	"	"	"		660	ND	"	
2-Chloronaphthalene	"	"	"		330	ND	"	
2-Chlorophenol	"	"	"		330	ND	"	
4-Chlorophenyl phenyl ether	"	"	"		330	ND	"	
Chrysene	"	"	"		330	ND	"	
Dibenz (a,h) anthracene	"	"	"		330	ND	"	
Dibenzofuran	"	"	"		330	ND	"	
Di-n-butyl phthalate	"	"	"		330	ND	"	
1,2-Dichlorobenzene	"	"	"		330	ND	"	
1,3-Dichlorobenzene	"	"	"		330	ND	"	
1,4-Dichlorobenzene	"	"	"		330	ND	"	
3,3'-Dichlorobenzidine	"	"	"		660	ND	"	
2,4-Dichlorophenol	"	"	"		330	ND	"	
Diethyl phthalate	"	"	"		330	ND	"	
2,4-Dimethylphenol	"	"	"		330	ND	"	
Dimethyl phthalate	"	"	"		330	ND	"	
4,6-Dinitro-2-methylphenol	"	"	"		1670	ND	"	
2,4-Dinitrophenol	"	"	"		1670	ND	"	
2,4-Dinitrotoluene	"	"	"		330	ND	"	
2,6-Dinitrotoluene	"	"	"		330	ND	"	
Di-n-octyl phthalate	"	"	"		330	ND	"	
Fluoranthene	"	"	"		330	ND	"	
Fluorene	"	"	"		330	ND	"	
Hexachlorobenzene	"	"	"		330	ND	"	

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Touchstone Developments	Project:	Chevron/General	Sampled: 10/26/98
PO Box 2554	Project Number:	9-8139	Received: 10/27/98
Santa Rosa, CA 95405	Project Manager:	Mr. Jeff Monroe	Reported: 10/30/98

Semivolatile Organic Compounds by EPA Method 8270B
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
U01X-11 (continued)			**P810399-03**				**Soil**	
Hexachlorobutadiene	8100483	10/27/98	10/27/98		330	ND	ug/kg	
Hexachlorocyclopentadiene	"	"	"		330	ND	"	
Hexachloroethane	"	"	"		330	ND	"	
Indeno (1,2,3-cd) pyrene	"	"	"		330	ND	"	
Isophorone	"	"	"		330	ND	"	
2-Methylnaphthalene	"	"	"		330	ND	"	
2-Methylphenol	"	"	"		330	ND	"	
4-Methylphenol	"	"	"		330	ND	"	
Naphthalene	"	"	"		330	ND	"	
2-Nitroaniline	"	"	"		1670	ND	"	
3-Nitroaniline	"	"	"		1670	ND	"	
4-Nitroaniline	"	"	"		1670	ND	"	
Nitrobenzene	"	"	"		330	ND	"	
2-Nitrophenol	"	"	"		330	ND	"	
4-Nitrophenol	"	"	"		1670	ND	"	
N-Nitrosodiphenylamine	"	"	"		330	ND	"	
N-Nitrosodi-n-propylamine	"	"	"		330	ND	"	
Pentachlorophenol	"	"	"		1670	ND	"	
Phenanthrene	"	"	"		330	ND	"	
Phenol	"	"	"		330	ND	"	
Pyrene	"	"	"		330	ND	"	
1,2,4-Trichlorobenzene	"	"	"		330	ND	"	
2,4,5-Trichlorophenol	"	"	"		330	ND	"	
2,4,6-Trichlorophenol	"	"	"		330	ND	"	
Surrogate: 2-Fluorophenol	"	"	"	-		*60.6*	%	
Surrogate: Phenol-d6	"	"	"	-		*66.8*	"	
Surrogate: Nitrobenzene-d5	"	"	"	-		*63.1*	"	
Surrogate: 2-Fluorobiphenyl	"	"	"	-		*64.3*	"	
Surrogate: 2,4,6-Tribromophenol	"	"	"	-		*63.2*	"	
Surrogate: Terphenyl-d14	"	"	"	-			"	

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Touchstone Developments	Project:	Chevron/General	Sampled: 10/26/98
PO Box 2554	Project Number:	9-8139	Received: 10/27/98
Santa Rosa, CA 95405	Project Manager:	Mr. Jeff Monroe	Reported: 10/30/98

Semivolatile Organic Compounds by EPA Method 8270B
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
CLR-6			**P810399-04**				**Soil**	
Acenaphthene	8100483	10/27/98	10/27/98		330	ND	ug/kg	
Acenaphthylene	"	"	"		330	ND	"	
Anthracene	"	"	"		330	ND	"	
Benzoic acid	"	"	"		1670	ND	"	
Benzo (a) anthracene	"	"	"		330	ND	"	
Benzo (b) fluoranthene	"	"	"		330	ND	"	
Benzo (k) fluoranthene	"	"	"		330	ND	"	
Benzo (g,h,i) perylene	"	"	"		330	ND	"	
Benzo (a) pyrene	"	"	"		330	ND	"	
Benzyl alcohol	"	"	"		660	ND	"	
Bis(2-chloroethoxy)methane	"	"	"		330	ND	"	
Bis(2-chloroethyl)ether	"	"	"		330	ND	"	
Bis(2-chloroisopropyl)ether	"	"	"		330	ND	"	
Bis(2-ethylhexyl)phthalate	"	"	"		330	**924**	"	
4-Bromophenyl phenyl ether	"	"	"		330	ND	"	
Butyl benzyl phthalate	"	"	"		330	ND	"	
4-Chloroaniline	"	"	"		660	ND	"	
4-Chloro-3-methylphenol	"	"	"		660	ND	"	
2-Chloronaphthalene	"	"	"		330	ND	"	
2-Chlorophenol	"	"	"		330	ND	"	
4-Chlorophenyl phenyl ether	"	"	"		330	ND	"	
Chrysene	"	"	"		330	ND	"	
Dibenz (a,h) anthracene	"	"	"		330	ND	"	
Dibenzofuran	"	"	"		330	ND	"	
Di-n-butyl phthalate	"	"	"		330	ND	"	
1,2-Dichlorobenzene	"	"	"		330	ND	"	
1,3-Dichlorobenzene	"	"	"		330	ND	"	
1,4-Dichlorobenzene	"	"	"		330	ND	"	
3,3'-Dichlorobenzidine	"	"	"		660	ND	"	
2,4-Dichlorophenol	"	"	"		330	ND	"	
Diethyl phthalate	"	"	"		330	ND	"	
2,4-Dimethylphenol	"	"	"		330	ND	"	
Dimethyl phthalate	"	"	"		330	ND	"	
4,6-Dinitro-2-methylphenol	"	"	"		1670	ND	"	
2,4-Dinitrophenol	"	"	"		1670	ND	"	
2,4-Dinitrotoluene	"	"	"		330	ND	"	
2,6-Dinitrotoluene	"	"	"		330	ND	"	
Di-n-octyl phthalate	"	"	"		330	ND	"	
Fluoranthene	"	"	"		330	ND	"	
Fluorene	"	"	"		330	ND	"	
Hexachlorobenzene	"	"	"		330	ND	"	

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Touchstone Developments	Project:	Chevron/General	Sampled: 10/26/98
PO Box 2554	Project Number:	9-8139	Received: 10/27/98
Santa Rosa, CA 95405	Project Manager:	Mr. Jeff Monroe	Reported: 10/30/98

Semivolatile Organic Compounds by EPA Method 8270B
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
CLR-6 (continued)			**P810399-04**				**Soil**	
Hexachlorobutadiene	8100483	10/27/98	10/27/98		330	ND	ug/kg	
Hexachlorocyclopentadiene	"	"	"		330	ND	"	
Hexachloroethane	"	"	"		330	ND	"	
Indeno (1,2,3-cd) pyrene	"	"	"		330	ND	"	
Isophorone	"	"	"		330	ND	"	
2-Methylnaphthalene	"	"	"		330	ND	"	
2-Methylphenol	"	"	"		330	ND	"	
4-Methylphenol	"	"	"		330	ND	"	
Naphthalene	"	"	"		330	ND	"	
2-Nitroaniline	"	"	"		1670	ND	"	
3-Nitroaniline	"	"	"		1670	ND	"	
4-Nitroaniline	"	"	"		1670	ND	"	
Nitrobenzene	"	"	"		330	ND	"	
2-Nitrophenol	"	"	"		330	ND	"	
4-Nitrophenol	"	"	"		1670	ND	"	
N-Nitrosodiphenylamine	"	"	"		330	ND	"	
N-Nitrosodi-n-propylamine	"	"	"		330	ND	"	
Pentachlorophenol	"	"	"		1670	ND	"	
Phenanthrene	"	"	"		330	ND	"	
Phenol	"	"	"		330	ND	"	
Pyrene	"	"	"		330	ND	"	
1,2,4-Trichlorobenzene	"	"	"		330	ND	"	
2,4,5-Trichlorophenol	"	"	"		330	ND	"	
2,4,6-Trichlorophenol	"	"	"		330	ND	"	
Surrogate: 2-Fluorophenol	"	"	"	-		*55.6*	%	
Surrogate: Phenol-d6	"	"	"	-		*59.6*	"	
Surrogate: Nitrobenzene-d5	"	"	"	-		*56.8*	"	
Surrogate: 2-Fluorobiphenyl	"	"	"	-		*52.6*	"	
Surrogate: 2,4,6-Tribromophenol	"	"	"	-		*58.4*	"	
Surrogate: Terphenyl-d14	"	"	"	-			"	

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Touchstone Developments	Project:	Chevron/General	Sampled: 10/26/98
PO Box 2554	Project Number:	9-8139	Received: 10/27/98
Santa Rosa, CA 95405	Project Manager:	Mr. Jeff Monroe	Reported: 10/30/98

Semivolatile Organic Compounds by EPA Method 8270B
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
U0SP-1(A-D)			**P810399-20**				Soil	
Acenaphthene	8100483	10/27/98	10/27/98		330	ND	ug/kg	
Acenaphthylene	"	"	"		330	ND	"	
Anthracene	"	"	"		330	ND	"	
Benzoic acid	"	"	"		1670	ND	"	
Benzo (a) anthracene	"	"	"		330	ND	"	
Benzo (b) fluoranthene	"	"	"		330	ND	"	
Benzo (k) fluoranthene	"	"	"		330	ND	"	
Benzo (g,h,i) perylene	"	"	"		330	ND	"	
Benzo (a) pyrene	"	"	"		330	ND	"	
Benzyl alcohol	"	"	"		660	ND	"	
Bis(2-chloroethoxy)methane	"	"	"		330	ND	"	
Bis(2-chloroethyl)ether	"	"	"		330	ND	"	
Bis(2-chloroisopropyl)ether	"	"	"		330	ND	"	
Bis(2-ethylhexyl)phthalate	"	"	"		330	ND	"	
4-Bromophenyl phenyl ether	"	"	"		330	ND	"	
Butyl benzyl phthalate	"	"	"		330	ND	"	
4-Chloroaniline	"	"	"		660	ND	"	
4-Chloro-3-methylphenol	"	"	"		660	ND	"	
2-Chloronaphthalene	"	"	"		330	ND	"	
2-Chlorophenol	"	"	"		330	ND	"	
4-Chlorophenyl phenyl ether	"	"	"		330	ND	"	
Chrysene	"	"	"		330	ND	"	
Dibenz (a,h) anthracene	"	"	"		330	**388**	"	
Dibenzofuran	"	"	"		330	ND	"	
Di-n-butyl phthalate	"	"	"		330	ND	"	
1,2-Dichlorobenzene	"	"	"		330	ND	"	
1,3-Dichlorobenzene	"	"	"		330	ND	"	
1,4-Dichlorobenzene	"	"	"		330	ND	"	
3,3'-Dichlorobenzidine	"	"	"		660	ND	"	
2,4-Dichlorophenol	"	"	"		330	ND	"	
Diethyl phthalate	"	"	"		330	ND	"	
2,4-Dimethylphenol	"	"	"		330	ND	"	
Dimethyl phthalate	"	"	"		330	ND	"	
4,6-Dinitro-2-methylphenol	"	"	"		1670	ND	"	
2,4-Dinitrophenol	"	"	"		1670	ND	"	
2,4-Dinitrotoluene	"	"	"		330	ND	"	
2,6-Dinitrotoluene	"	"	"		330	ND	"	
Di-n-octyl phthalate	"	"	"		330	ND	"	
Fluoranthene	"	"	"		330	**348**	"	
Fluorene	"	"	"		330	ND	"	
Hexachlorobenzene	"	"	"		330	ND	"	

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Touchstone Developments	Project:	Chevron/General	Sampled: 10/26/98
PO Box 2554	Project Number:	9-8139	Received: 10/27/98
Santa Rosa, CA 95405	Project Manager:	Mr. Jeff Monroe	Reported: 10/30/98

Semivolatile Organic Compounds by EPA Method 8270B
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
U0SP-1(A-D) (continued)			**P810399-20**				**Soil**	
Hexachlorobutadiene	8100483	10/27/98	10/27/98		330	ND	ug/kg	
Hexachlorocyclopentadiene	"	"	"		330	ND	"	
Hexachloroethane	"	"	"		330	ND	"	
Indeno (1,2,3-cd) pyrene	"	"	"		330	**410**	"	
Isophorone	"	"	"		330	ND	"	
2-Methylnaphthalene	"	"	"		330	ND	"	
2-Methylphenol	"	"	"		330	ND	"	
4-Methylphenol	"	"	"		330	ND	"	
Naphthalene	"	"	"		330	ND	"	
2-Nitroaniline	"	"	"		1670	ND	"	
3-Nitroaniline	"	"	"		1670	ND	"	
4-Nitroaniline	"	"	"		1670	ND	"	
Nitrobenzene	"	"	"		330	ND	"	
2-Nitrophenol	"	"	"		330	ND	"	
4-Nitrophenol	"	"	"		1670	ND	"	
N-Nitrosodiphenylamine	"	"	"		330	ND	"	
N-Nitrosodi-n-propylamine	"	"	"		330	ND	"	
Pentachlorophenol	"	"	"		1670	ND	"	
Phenanthrene	"	"	"		330	ND	"	
Phenol	"	"	"		330	ND	"	
Pyrene	"	"	"		330	**459**	"	
1,2,4-Trichlorobenzene	"	"	"		330	ND	"	
2,4,5-Trichlorophenol	"	"	"		330	ND	"	
2,4,6-Trichlorophenol	"	"	"		330	ND	"	
Surrogate: 2-Fluorophenol	"	"	"	-		*89.6*	%	
Surrogate: Phenol-d6	"	"	"	-		*98.6*	"	
Surrogate: Nitrobenzene-d5	"	"	"	-		*89.8*	"	
Surrogate: 2-Fluorobiphenyl	"	"	"	-		*79.6*	"	
Surrogate: 2,4,6-Tribromophenol	"	"	"	-		*65.0*	"	
Surrogate: Terphenyl-d14	"	"	"	-			"	

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Touchstone Developments	Project:	Chevron/General	Sampled: 10/26/98
PO Box 2554	Project Number:	9-8139	Received: 10/27/98
Santa Rosa, CA 95405	Project Manager:	Mr. Jeff Monroe	Reported: 10/30/98

Conventional Chemistry Parameters by APHA/EPA Methods
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
U01-9			**P810399-01**				**Soil**	
TRPH	8100484	10/27/98	10/28/98	SM 5520C&F	167	**3460**	mg/kg	
U02-9			**P810399-02**				**Soil**	
TRPH	8100484	10/27/98	10/28/98	SM 5520C&F	33.3	ND	mg/kg	
U01X-11			**P810399-03**				**Soil**	
TRPH	8100484	10/27/98	10/28/98	SM 5520C&F	33.3	**476**	mg/kg	
CLR-6			**P810399-04**				**Soil**	
TRPH	8100484	10/27/98	10/28/98	SM 5520C&F	33.3	**44.3**	mg/kg	
U0SP-1(A-D)			**P810399-20**				**Soil**	
TRPH	8100484	10/27/98	10/28/98	SM 5520C&F	33.3	**128**	mg/kg	

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Touchstone Developments	Project:	Chevron/General	Sampled: 10/26/98
PO Box 2554	Project Number:	9-8139	Received: 10/27/98
Santa Rosa, CA 95405	Project Manager:	Mr. Jeff Monroe	Reported: 10/30/98

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M/Quality Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 8100492	**Date Prepared: 10/27/98**					**Extraction Method: EPA 5030 soils**				
Blank	**8100492-BLK1**									
Gasoline	10/28/98			**ND**	ug/kg	**200**				
Benzene	"			**ND**	"	**1.00**				
Toluene	"			**ND**	"	**1.00**				
Ethylbenzene	"			**ND**	"	**1.00**				
Xylenes (total)	"			**ND**	"	**2.00**				
Methyl tert-butyl ether	"			**ND**	"	**5.00**				
Surrogate: a,a,a-Trifluorotoluene	"	*300*		*272*	"		*90.7*			
Surrogate: 4-Bromofluorobenzene	"	*300*		*283*	"		*94.3*			
LCS	**8100492-BS1**									
Gasoline	10/28/98	1000		1080	ug/kg		108			
Surrogate: 4-Bromofluorobenzene	"	*300*		*291*	"		*97.0*			
Matrix Spike	**8100492-MS1**		**P810399-02**							
Gasoline	10/28/98	5000	ND	4750	ug/kg		**95.0**			
Surrogate: 4-Bromofluorobenzene	"	*300*		*268*	"		*89.3*			
Matrix Spike Dup	**8100492-MSD1**		**P810399-02**							
Gasoline	10/28/98	5000	ND	4660	ug/kg		**93.2**		**1.91**	
Surrogate: 4-Bromofluorobenzene	"	*300*		*260*	"		*86.7*			
Batch: 8100513	**Date Prepared: 10/28/98**					**Extraction Method: EPA 5030 soils MeOH**				
Blank	**8100513-BLK1**									
Gasoline	10/28/98			**ND**	ug/kg	**40000**				
Benzene	"			**ND**	"	**200**				
Toluene	"			**ND**	"	**200**				
Ethylbenzene	"			**ND**	"	**200**				
Xylenes (total)	"			**ND**	"	**400**				
Methyl tert-butyl ether	"			**ND**	"	**1000**				
Surrogate: a,a,a-Trifluorotoluene	"	*30000*		*30500*	"		*102*			
Surrogate: 4-Bromofluorobenzene	"	*30000*		*29600*	"		*98.7*			
LCS	**8100513-BS1**									
Gasoline	10/28/98	50000		51600	ug/kg		103			
Surrogate: 4-Bromofluorobenzene	"	*30000*		*29500*	"		*98.3*			
Matrix Spike	**8100513-MS1**		**P810399-10**							
Gasoline	10/28/98	50000	154000	293000	ug/kg		**278**			3
Surrogate: 4-Bromofluorobenzene	"	*30000*		*30500*	"		*102*			

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Touchstone Developments	Project:	Chevron/General	Sampled: 10/26/98
PO Box 2554	Project Number:	9-8139	Received: 10/27/98
Santa Rosa, CA 95405	Project Manager:	Mr. Jeff Monroe	Reported: 10/30/98

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M/Quality Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Matrix Spike Dup	**8100513-MSD1**		**P810399-10**							
Gasoline	10/28/98	50000	154000	169000	ug/kg		**30.0**		**161**	3
Surrogate: 4-Bromofluorobenzene	"	*30000*		*30200*	"		*101*			

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Touchstone Developments	Project:	Chevron/General	Sampled: 10/26/98
PO Box 2554	Project Number:	9-8139	Received: 10/27/98
Santa Rosa, CA 95405	Project Manager:	Mr. Jeff Monroe	Reported: 10/30/98

Volatile Organic Compounds by EPA Method 8010B/Quality Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 8100549	**Date Prepared: 10/27/98**					**Extraction Method: EPA 5030 soils MeOH**				
Blank	**8100549-BLK1**									
Bromodichloromethane	10/27/98			**ND**	ug/kg	**50.0**				
Bromoform	"			**ND**	"	**50.0**				
Bromomethane	"			**ND**	"	**50.0**				
Carbon tetrachloride	"			**ND**	"	**50.0**				
Chlorobenzene	"			**ND**	"	**50.0**				
Chloroethane	"			**ND**	"	**50.0**				
2-Chloroethylvinyl ether	"			**ND**	"	**500**				
Chloroform	"			**ND**	"	**50.0**				
Chloromethane	"			**ND**	"	**50.0**				
Dibromochloromethane	"			**ND**	"	**50.0**				
1,2-Dibromoethane (EDB)	"			**ND**	"	**50.0**				
1,2-Dichlorobenzene	"			**ND**	"	**50.0**				
1,3-Dichlorobenzene	"			**ND**	"	**50.0**				
1,4-Dichlorobenzene	"			**ND**	"	**50.0**				
Dichlorodifluoromethane	"			**ND**	"	**50.0**				
1,1-Dichloroethane	"			**ND**	"	**50.0**				
1,2-Dichloroethane	"			**ND**	"	**50.0**				
1,1-Dichloroethene	"			**ND**	"	**50.0**				
cis-1,2-Dichloroethene	"			**ND**	"	**50.0**				
trans-1,2-Dichloroethene	"			**ND**	"	**50.0**				
1,2-Dichloropropane	"			**ND**	"	**50.0**				
cis-1,3-Dichloropropene	"			**ND**	"	**50.0**				
trans-1,3-Dichloropropene	"			**ND**	"	**50.0**				
Freon 113	"			**ND**	"	**50.0**				
Methylene chloride	"			**ND**	"	**50.0**				
1,1,2,2-Tetrachloroethane	"			**ND**	"	**50.0**				
Tetrachloroethene	"			**ND**	"	**50.0**				
1,1,2-Trichloroethane	"			**ND**	"	**50.0**				
1,1,1-Trichloroethane	"			**ND**	"	**50.0**				
Trichloroethene	"			**ND**	"	**50.0**				
Trichlorofluoromethane	"			**ND**	"	**50.0**				
Vinyl chloride	"			**ND**	"	**50.0**				
Surrogate: Bromochloromethane	"	*3000*		*3030*	"		*101*			
Surrogate: 1,4-Dichlorobutane	"	*3000*		*3000*	"		*100*			
LCS	**8100549-BS1**									
Chlorobenzene	10/27/98	1000		1020	ug/kg		102			
1,1-Dichloroethene	"	1000		960	"		96.0			
Trichloroethene	"	1000		1020	"		102			
Surrogate: Bromochloromethane	"	*3000*		*2850*	"		*95.0*			

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Touchstone Developments	Project:	Chevron/General	Sampled: 10/26/98
PO Box 2554	Project Number:	9-8139	Received: 10/27/98
Santa Rosa, CA 95405	Project Manager:	Mr. Jeff Monroe	Reported: 10/30/98

Volatile Organic Compounds by EPA Method 8010B/Quality Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
LCS (continued)	**8100549-BS1**									
Surrogate: 1,4-Dichlorobutane	*10/27/98*	*3000*		*2960*	*ug/kg*		*98.7*			
Matrix Spike	**8100549-MS1**		**P810399-02**							
Chlorobenzene	10/27/98	1000	ND	1000	ug/kg		**100**			
1,1-Dichloroethene	"	1000	ND	941	"		**94.1**			
Trichloroethene	"	1000	ND	990	"		**99.0**			
Surrogate: Bromochloromethane	"	*3000*		*2620*	"		*87.3*			
Surrogate: 1,4-Dichlorobutane	"	*3000*		*2780*	"		*92.7*			
Matrix Spike Dup	**8100549-MSD1**		**P810399-02**							
Chlorobenzene	10/27/98	1000	ND	1010	ug/kg		**101**		**0.995**	
1,1-Dichloroethene	"	1000	ND	676	"		**67.6**		**32.8**	
Trichloroethene	"	1000	ND	1090	"		**109**		**9.62**	
Surrogate: Bromochloromethane	"	*3000*		*2870*	"		*95.7*			
Surrogate: 1,4-Dichlorobutane	"	*3000*		*2870*	"		*95.7*			

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Touchstone Developments	Project:	Chevron/General	Sampled: 10/26/98
PO Box 2554	Project Number:	9-8139	Received: 10/27/98
Santa Rosa, CA 95405	Project Manager:	Mr. Jeff Monroe	Reported: 10/30/98

Volatile Organic Compounds by EPA Method 8260B/Quality Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 8100510	**Date Prepared: 10/29/98**					**Extraction Method: EPA 5030 soils**				
Blank	**8100510-BLK2**									
Acetone	10/29/98			**ND**	ug/kg	**20.0**				
Benzene	"			**ND**	"	**5.00**				
Bromobenzene	"			**ND**	"	**5.00**				
Bromochloromethane	"			**ND**	"	**5.00**				
Bromodichloromethane	"			**ND**	"	**5.00**				
Bromoform	"			**ND**	"	**5.00**				
Bromomethane	"			**ND**	"	**5.00**				
2-Butanone	"			**ND**	"	**10.0**				
n-Butylbenzene	"			**ND**	"	**5.00**				
sec-Butylbenzene	"			**ND**	"	**5.00**				
tert-Butylbenzene	"			**ND**	"	**5.00**				
Carbon disulfide	"			**ND**	"	**10.0**				
Carbon tetrachloride	"			**ND**	"	**5.00**				
Chlorobenzene	"			**ND**	"	**5.00**				
Chloroethane	"			**ND**	"	**5.00**				
2-Chloroethylvinyl ether	"			**ND**	"	**5.00**				
Chloroform	"			**ND**	"	**5.00**				
Chloromethane	"			**ND**	"	**5.00**				
2-Chlorotoluene	"			**ND**	"	**5.00**				
4-Chlorotoluene	"			**ND**	"	**5.00**				
Dibromochloromethane	"			**ND**	"	**5.00**				
1,2-Dibromo-3-chloropropane	"			**ND**	"	**5.00**				
1,2-Dibromoethane (EDB)	"			**ND**	"	**5.00**				
Dibromomethane	"			**ND**	"	**5.00**				
1,2-Dichlorobenzene	"			**ND**	"	**5.00**				
1,3-Dichlorobenzene	"			**ND**	"	**5.00**				
1,4-Dichlorobenzene	"			**ND**	"	**5.00**				
Dichlorodifluoromethane	"			**ND**	"	**5.00**				
1,1-Dichloroethane	"			**ND**	"	**5.00**				
1,2-Dichloroethane	"			**ND**	"	**5.00**				
1,1-Dichloroethene	"			**ND**	"	**5.00**				
cis-1,2-Dichloroethene	"			**ND**	"	**5.00**				
trans-1,2-Dichloroethene	"			**ND**	"	**5.00**				
1,2-Dichloropropane	"			**ND**	"	**5.00**				
1,3-Dichloropropane	"			**ND**	"	**5.00**				
2,2-Dichloropropane	"			**ND**	"	**5.00**				
1,1-Dichloropropene	"			**ND**	"	**5.00**				
cis-1,3-Dichloropropene	"			**ND**	"	**5.00**				
trans-1,3-Dichloropropene	"			**ND**	"	**5.00**				
Ethylbenzene	"			**ND**	"	**5.00**				

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Touchstone Developments	Project:	Chevron/General	Sampled: 10/26/98
PO Box 2554	Project Number:	9-8139	Received: 10/27/98
Santa Rosa, CA 95405	Project Manager:	Mr. Jeff Monroe	Reported: 10/30/98

Volatile Organic Compounds by EPA Method 8260B/Quality Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Blank (continued)	**8100510-BLK2**									
Freon 113	10/29/98			**ND**	ug/kg	**5.00**				
Hexachlorobutadiene	"			**ND**	"	**5.00**				
2-Hexanone	"			**ND**	"	**10.0**				
Isopropylbenzene	"			**ND**	"	**5.00**				
p-Isopropyltoluene	"			**ND**	"	**5.00**				
Methylene chloride	"			**ND**	"	**5.00**				
4-Methyl-2-pentanone	"			**ND**	"	**10.0**				
Methyl tert-butyl ether	"			**ND**	"	**5.00**				
Naphthalene	"			**ND**	"	**5.00**				
n-Propylbenzene	"			**ND**	"	**5.00**				
Styrene	"			**ND**	"	**5.00**				
1,1,2,2-Tetrachloroethane	"			**ND**	"	**5.00**				
1,1,1,2-Tetrachloroethane	"			**ND**	"	**5.00**				
Tetrachloroethene	"			**ND**	"	**5.00**				
Toluene	"			**ND**	"	**5.00**				
1,2,3-Trichlorobenzene	"			**ND**	"	**5.00**				
1,2,4-Trichlorobenzene	"			**ND**	"	**5.00**				
1,1,2-Trichloroethane	"			**ND**	"	**5.00**				
1,1,1-Trichloroethane	"			**ND**	"	**5.00**				
Trichloroethene	"			**ND**	"	**5.00**				
Trichlorofluoromethane	"			**ND**	"	**5.00**				
1,2,3-Trichloropropane	"			**ND**	"	**5.00**				
1,3,5-Trimethylbenzene	"			**ND**	"	**5.00**				
1,2,4-Trimethylbenzene	"			**ND**	"	**5.00**				
Vinyl acetate	"			**ND**	"	**10.0**				
Vinyl chloride	"			**ND**	"	**5.00**				
m,p-Xylene	"			**ND**	"	**5.00**				
o-Xylene	"			**ND**	"	**5.00**				
Surrogate: Dibromofluoromethane	"	*50.0*		*44.8*	"	*80.0-120*	*89.6*			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*42.8*	"	*80.0-120*	*85.6*			
Surrogate: Toluene-d8	"	*50.0*		*45.5*	"	*81.0-117*	*91.0*			
Surrogate: 4-Bromofluorobenzene	"	*50.0*		*40.8*	"	*74.0-121*	*81.6*			
LCS	**8100510-BS2**									
Benzene	10/29/98	50.0		50.1	ug/kg	90.0-126	100			
Chlorobenzene	"	50.0		51.0	"	89.0-124	102			
1,1-Dichloroethene	"	50.0		52.6	"	74.0-136	105			
Toluene	"	50.0		50.3	"	91.0-126	101			
Trichloroethene	"	50.0		48.3	"	75.0-119	96.6			
Surrogate: Dibromofluoromethane	"	*50.0*		*46.7*	"	*80.0-120*	*93.4*			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*44.9*	"	*80.0-120*	*89.8*			

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Touchstone Developments	Project:	Chevron/General	Sampled: 10/26/98
PO Box 2554	Project Number:	9-8139	Received: 10/27/98
Santa Rosa, CA 95405	Project Manager:	Mr. Jeff Monroe	Reported: 10/30/98

Volatile Organic Compounds by EPA Method 8260B/Quality Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
LCS (continued)	**8100510-BS2**									
Surrogate: Toluene-d8	*10/29/98*	*50.0*		*51.2*	*ug/kg*	*81.0-117*	*102*			
Surrogate: 4-Bromofluorobenzene	"	*50.0*		*46.6*	"	*74.0-121*	*93.2*			
Matrix Spike	**8100510-MS1**		**P810343-03**							
Benzene	10/28/98	50.0	ND	49.4	ug/kg	90.0-126	**98.8**			
Chlorobenzene	"	50.0	ND	49.6	"	89.0-124	**99.2**			
1,1-Dichloroethene	"	50.0	ND	57.2	"	74.0-136	**114**			
Toluene	"	50.0	ND	48.5	"	91.0-126	**97.0**			
Trichloroethene	"	50.0	ND	47.9	"	75.0-119	**95.8**			
Surrogate: Dibromofluoromethane	"	*50.0*		*51.2*	"	*80.0-120*	*102*			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*51.8*	"	*80.0-120*	*104*			
Surrogate: Toluene-d8	"	*50.0*		*49.4*	"	*81.0-117*	*98.8*			
Surrogate: 4-Bromofluorobenzene	"	*50.0*		*51.6*	"	*74.0-121*	*103*			
Matrix Spike Dup	**8100510-MSD1**		**P810343-03**							
Benzene	10/28/98	50.0	ND	51.6	ug/kg	90.0-126	**103**	20.0	**4.16**	
Chlorobenzene	"	50.0	ND	50.9	"	89.0-124	**102**	20.0	**2.78**	
1,1-Dichloroethene	"	50.0	ND	57.7	"	74.0-136	**115**	20.0	**0.873**	
Toluene	"	50.0	ND	50.1	"	91.0-126	**100**	20.0	**3.05**	
Trichloroethene	"	50.0	ND	49.2	"	75.0-119	**98.4**	20.0	**2.68**	
Surrogate: Dibromofluoromethane	"	*50.0*		*52.3*	"	*80.0-120*	*105*			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*51.9*	"	*80.0-120*	*104*			
Surrogate: Toluene-d8	"	*50.0*		*52.0*	"	*81.0-117*	*104*			
Surrogate: 4-Bromofluorobenzene	"	*50.0*		*54.6*	"	*74.0-121*	*109*			

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Touchstone Developments	Project:	Chevron/General	Sampled: 10/26/98
PO Box 2554	Project Number:	9-8139	Received: 10/27/98
Santa Rosa, CA 95405	Project Manager:	Mr. Jeff Monroe	Reported: 10/30/98

Semivolatile Organic Compounds by EPA Method 8270B/Quality Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 8100483	**Date Prepared: 10/27/98**					**Extraction Method: EPA 3550A**				
Blank	**8100483-BLK1**									
Acenaphthene	10/28/98			ND	ug/kg	330				
Acenaphthylene	"			ND	"	330				
Anthracene	"			ND	"	330				
Benzoic acid	"			ND	"	1670				
Benzo (a) anthracene	"			ND	"	330				
Benzo (b) fluoranthene	"			ND	"	330				
Benzo (k) fluoranthene	"			ND	"	330				
Benzo (g,h,i) perylene	"			ND	"	330				
Benzo (a) pyrene	"			ND	"	330				
Benzyl alcohol	"			ND	"	660				
Bis(2-chloroethoxy)methane	"			ND	"	330				
Bis(2-chloroethyl)ether	"			ND	"	330				
Bis(2-chloroisopropyl)ether	"			ND	"	330				
Bis(2-ethylhexyl)phthalate	"			ND	"	330				
4-Bromophenyl phenyl ether	"			ND	"	330				
Butyl benzyl phthalate	"			ND	"	330				
4-Chloroaniline	"			ND	"	660				
4-Chloro-3-methylphenol	"			ND	"	660				
2-Chloronaphthalene	"			ND	"	330				
2-Chlorophenol	"			ND	"	330				
4-Chlorophenyl phenyl ether	"			ND	"	330				
Chrysene	"			ND	"	330				
Dibenz (a,h) anthracene	"			ND	"	330				
Dibenzofuran	"			ND	"	330				
Di-n-butyl phthalate	"			ND	"	330				
1,2-Dichlorobenzene	"			ND	"	330				
1,3-Dichlorobenzene	"			ND	"	330				
1,4-Dichlorobenzene	"			ND	"	330				
3,3'-Dichlorobenzidine	"			ND	"	660				
2,4-Dichlorophenol	"			ND	"	330				
Diethyl phthalate	"			ND	"	330				
2,4-Dimethylphenol	"			ND	"	330				
Dimethyl phthalate	"			ND	"	330				
4,6-Dinitro-2-methylphenol	"			ND	"	1670				
2,4-Dinitrophenol	"			ND	"	1670				
2,4-Dinitrotoluene	"			ND	"	330				
2,6-Dinitrotoluene	"			ND	"	330				
Di-n-octyl phthalate	"			ND	"	330				
Fluoranthene	"			ND	"	330				
Fluorene	"			ND	"	330				

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Touchstone Developments	Project:	Chevron/General	Sampled: 10/26/98
PO Box 2554	Project Number:	9-8139	Received: 10/27/98
Santa Rosa, CA 95405	Project Manager:	Mr. Jeff Monroe	Reported: 10/30/98

Semivolatile Organic Compounds by EPA Method 8270B/Quality Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Blank (continued)	**8100483-BLK1**									
Hexachlorobenzene	10/28/98			**ND**	ug/kg	**330**				
Hexachlorobutadiene	"			**ND**	"	**330**				
Hexachlorocyclopentadiene	"			**ND**	"	**330**				
Hexachloroethane	"			**ND**	"	**330**				
Indeno (1,2,3-cd) pyrene	"			**ND**	"	**330**				
Isophorone	"			**ND**	"	**330**				
2-Methylnaphthalene	"			**ND**	"	**330**				
2-Methylphenol	"			**ND**	"	**330**				
4-Methylphenol	"			**ND**	"	**330**				
Naphthalene	"			**ND**	"	**330**				
2-Nitroaniline	"			**ND**	"	**1670**				
3-Nitroaniline	"			**ND**	"	**1670**				
4-Nitroaniline	"			**ND**	"	**1670**				
Nitrobenzene	"			**ND**	"	**330**				
2-Nitrophenol	"			**ND**	"	**330**				
4-Nitrophenol	"			**ND**	"	**1670**				
N-Nitrosodiphenylamine	"			**ND**	"	**330**				
N-Nitrosodi-n-propylamine	"			**ND**	"	**330**				
Pentachlorophenol	"			**ND**	"	**1670**				
Phenanthrene	"			**ND**	"	**330**				
Phenol	"			**ND**	"	**330**				
Pyrene	"			**ND**	"	**330**				
1,2,4-Trichlorobenzene	"			**ND**	"	**330**				
2,4,5-Trichlorophenol	"			**ND**	"	**330**				
2,4,6-Trichlorophenol	"			**ND**	"	**330**				
Surrogate: 2-Fluorophenol	"	*5000*		*3360*	"		*67.2*			
Surrogate: Phenol-d6	"	*5000*		*3760*	"		*75.2*			
Surrogate: Nitrobenzene-d5	"	*3330*		*2150*	"		*64.6*			
Surrogate: 2-Fluorobiphenyl	"	*3330*		*2020*	"		*60.7*			
Surrogate: 2,4,6-Tribromophenol	"	*5000*		*2890*	"		*57.8*			
Surrogate: Terphenyl-d14	"			*3290*	"					
LCS	**8100483-BS1**									
Acenaphthene	10/27/98	3330		2320	ug/kg		69.7			
4-Chloro-3-methylphenol	"	5000		3740	"		74.8			
2-Chlorophenol	"	5000		2850	"		57.0			
1,4-Dichlorobenzene	"	3330		1890	"		56.8			
2,4-Dinitrotoluene	"	3330		2380	"		71.5			
4-Nitrophenol	"	5000		3260	"		65.2			
N-Nitrosodi-n-propylamine	"	3330		2270	"		68.2			
Pentachlorophenol	"	5000		4610	"		92.2			

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Touchstone Developments	Project:	Chevron/General	Sampled: 10/26/98
PO Box 2554	Project Number:	9-8139	Received: 10/27/98
Santa Rosa, CA 95405	Project Manager:	Mr. Jeff Monroe	Reported: 10/30/98

Semivolatile Organic Compounds by EPA Method 8270B/Quality Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
LCS (continued)	**8100483-BS1**									
Phenol	10/27/98	5000		2980	ug/kg		59.6			
Pyrene	"	3330		2300	"		69.1			
1,2,4-Trichlorobenzene	"	3330		1860	"		55.9			
Surrogate: 2-Fluorophenol	"	*5000*		*2820*	"		*56.4*			
Surrogate: Phenol-d6	"	*5000*		*3080*	"		*61.6*			
Surrogate: Nitrobenzene-d5	"	*3330*		*1990*	"		*59.8*			
Surrogate: 2-Fluorobiphenyl	"	*3330*		*1780*	"		*53.5*			
Surrogate: 2,4,6-Tribromophenol	"	*5000*		*3120*	"		*62.4*			
Surrogate: Terphenyl-d14	"			*3640*	"					
Matrix Spike	**8100483-MS1**		**P810399-02**							
Acenaphthene	10/27/98	3330	ND	2900	ug/kg		**87.1**			
4-Chloro-3-methylphenol	"	5000	ND	4720	"		**94.4**			
2-Chlorophenol	"	5000	ND	4030	"		**80.6**			
1,4-Dichlorobenzene	"	3330	ND	2620	"		**78.7**			
2,4-Dinitrotoluene	"	3330	ND	2520	"		**75.7**			
4-Nitrophenol	"	5000	ND	3440	"		**68.8**			
N-Nitrosodi-n-propylamine	"	3330	ND	2910	"		**87.4**			
Pentachlorophenol	"	5000	ND	4710	"		**94.2**			
Phenol	"	5000	ND	3950	"		**79.0**			
Pyrene	"	3330	ND	2250	"		**67.6**			
1,2,4-Trichlorobenzene	"	3330	ND	2600	"		**78.1**			
Surrogate: 2-Fluorophenol	"	*5000*		*4060*	"		*81.2*			
Surrogate: Phenol-d6	"	*5000*		*4190*	"		*83.8*			
Surrogate: Nitrobenzene-d5	"	*3330*		*2760*	"		*82.9*			
Surrogate: 2-Fluorobiphenyl	"	*3330*		*2450*	"		*73.6*			
Surrogate: 2,4,6-Tribromophenol	"	*5000*		*3510*	"		*70.2*			
Surrogate: Terphenyl-d14	"			*3530*	"					
Matrix Spike Dup	**8100483-MSD1**		**P810399-02**							
Acenaphthene	10/27/98	3330	ND	2480	ug/kg		**74.5**	**15.6**		
4-Chloro-3-methylphenol	"	5000	ND	3990	"		**79.8**	**16.8**		
2-Chlorophenol	"	5000	ND	2780	"		**55.6**	**36.7**		4
1,4-Dichlorobenzene	"	3330	ND	1800	"		**54.1**	**37.0**		4
2,4-Dinitrotoluene	"	3330	ND	2480	"		**74.5**	**1.60**		
4-Nitrophenol	"	5000	ND	3390	"		**67.8**	**1.46**		
N-Nitrosodi-n-propylamine	"	3330	ND	2280	"		**68.5**	**24.2**		
Pentachlorophenol	"	5000	ND	4620	"		**92.4**	**1.93**		
Phenol	"	5000	ND	2850	"		**57.0**	**32.4**		4
Pyrene	"	3330	ND	2200	"		**66.1**	**2.24**		
1,2,4-Trichlorobenzene	"	3330	ND	1840	"		**55.3**	**34.2**		4

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Touchstone Developments	Project:	Chevron/General	Sampled: 10/26/98
PO Box 2554	Project Number:	9-8139	Received: 10/27/98
Santa Rosa, CA 95405	Project Manager:	Mr. Jeff Monroe	Reported: 10/30/98

Semivolatile Organic Compounds by EPA Method 8270B/Quality Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Matrix Spike Dup (continued)	**8100483-MSD1**		**P810399-02**							
Surrogate: 2-Fluorophenol	*10/27/98*	*5000*		*2810*	*ug/kg*		*56.2*			
Surrogate: Phenol-d6	"	*5000*		*3060*	"		*61.2*			
Surrogate: Nitrobenzene-d5	"	*3330*		*2020*	"		*60.7*			
Surrogate: 2-Fluorobiphenyl	"	*3330*		*1900*	"		*57.1*			
Surrogate: 2,4,6-Tribromophenol	"	*5000*		*3470*	"		*69.4*			
Surrogate: Terphenyl-d14	"			*3620*	"					

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Touchstone Developments	Project:	Chevron/General	Sampled: 10/26/98
PO Box 2554	Project Number:	9-8139	Received: 10/27/98
Santa Rosa, CA 95405	Project Manager:	Mr. Jeff Monroe	Reported: 10/30/98

Conventional Chemistry Parameters by APHA/EPA Methods/Quality Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 8100484	**Date Prepared: 10/27/98**					**Extraction Method: 418.1 / 5520C&F Mod.**				
Blank	**8100484-BLK1**									
TRPH	10/28/98			**ND**	mg/kg	**33.3**				
LCS	**8100484-BS1**									
TRPH	10/28/98	667		620	mg/kg	80.0-120	93.0			
LCS Dup	**8100484-BSD1**									
TRPH	10/28/98	667		626	mg/kg	80.0-120	93.9	20.0	0.963	
Duplicate	**8100484-DUP1**		**P810399-01**							
TRPH	10/28/98		3460	2570	mg/kg			20.0	**29.5**	
Matrix Spike	**8100484-MS1**		**P810399-01**							
TRPH	10/28/98	667	3460	3650	mg/kg	75.0-125	**28.5**			

Sequoia Analytical

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Touchstone Developments	Project:	Chevron/General	Sampled: 10/26/98
PO Box 2554	Project Number:	9-8139	Received: 10/27/98
Santa Rosa, CA 95405	Project Manager:	Mr. Jeff Monroe	Reported: 10/30/98

Notes and Definitions

#	Note
1	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
2	This compound is a common laboratory contaminant.
3	The RPD value for the sample duplicate or MS/MSD was outside if QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
4	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
Recov.	Recovery
RPD	Relative Percent Difference

Fax copy of Lab Report and COC to Chevron Contact: ☐ 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 9-8139
Facility Address 16304 Foothill Blvd, San Leandro
Consultant Project Number 8139-1
Consultant Name Touchstone Developments
Address PO Box 2554 Santa Rosa
Project Contact (Name) Jeff Monroe
(Phone) 707 5[illegible] (Fax Number) 575-3374

Chevron Contact (Name) Larry Wallace
(Phone) 925 842 9500
Laboratory Name Sequoia
Laboratory Release Number 0
Samples Collected by (Name) Jeff Monroe
Collection Date 10-26-98
Signature [signature]

Analyses To Be Performed

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) w/ MTBE	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 Hydraulic	Total Pb				Remarks P810339
U01-9		1	S	D	2pm		Yes	X	X	X	X			X	X						P810339-01
U02-9																					02
U01X-11																					03
CLR-6																					04
H1-8																X					05
H2-8																X					06
H5-8																X					07
AN-14								X									X				08
AS-14																					09
BN-14																					10
BS-14																					11
CN-14																					12
CS-14						3pm															13

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
[signature]	TD	10-27-98 5:40	[signature]	Sequoia	10/27/98 5:45
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Recieved For Laboratory By (Signature)		Date/Time

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

COC-3.DWK /03 91/HCH

Fax copy of Lab Report and COC to Chevron Contact: ☐ 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: 9-8139
Facility Address: 16304 Foothill Blvd, San Leandro
Consultant Project Number: 8139-1
Consultant Name: Touchstone Developments
Address: PO Box 2554 Santa Rosa
Project Contact (Name): Jeff Monroe
(Phone): 707 5388818 (Fax Number): 5753394

Chevron Contact (Name): Larry Wallace
(Phone): 925 842 9500
Laboratory Name: Sequoia
Laboratory Release Number: 0
Samples Collected by (Name): Jeff Monroe
Collection Date: 10-26-98
Signature: [signature]

Analyses To Be Performed

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) w/ MTBE	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)	Total Pb	CAM 17 Metals				Remarks
P1-2		1	S	D	3pm		Yes	X								X					P810399-14
P2-2																					15
P3-2																					16
P4-2																					17
P5-3																					18
P6-3																					19
UOSP1(a-d)		4	S	C			Yes		X	X			X	X			X			20	Comp 4:1
SP-1(a-d)		4	S	C												X					21
SP-2(a-d)		4	S	C	4pm											X					22

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Turn Around Time (Circle Choice)
[signature]	TD	8:40 10-22-98	[signature]	Sequoia	[illegible]	(24 Hrs.) circled
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	48 Hrs. / 5 Days / 10 Days
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time	As Contracted

COC-3.DWG/03 91/HCH

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Sequoia Analytical	Client Project ID:	P810399	Sampled: Oct 26, 1998
1455 N. McDowell Blvd., Ste. D	Sample Matrix:	Soil	Received: Oct 27, 1998
Petaluma, CA. 94954	Analysis Method:	EPA 3550/8015 Mod.	Reported: Oct 30, 1998
Attention: Debbie Leibensberger	First Sample #:	810-2099	

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

Analyte	Reporting Limit mg/kg	Sample I.D. 810-2099 P810399-01	Sample I.D. 810-2100 P810399-02	Sample I.D. 810-2101 P810399-03	Sample I.D. 810-2102 P810399-04	Sample I.D. 810-2103 P810399-05	Sample I.D. 810-2104 P810399-06
QC Batch Number:		SP102798 8015EXA	SP102798 8015EXA	SP102798 8015EXA	SP102798 8015EXA	SP102798 8015EXA	SP102798 8015EXA
Extractable Hydrocarbons	1.0	410	N.D.	38	7.3	59	N.D.
Chromatogram Pattern:		Unidentified Hydrocarbons >C16 & <C12	--	Unidentified Hydrocarbons >C13	Unidentified Hydrocarbons <C13 & >C16	Unidentified Hydrocarbons >C14	--

Quality Control Data

Report Limit Multiplication Factor:	10	1.0	1.0	1.0	1.0	1.0
Date Extracted:	10/27/98	10/27/98	10/27/98	10/27/98	10/27/98	10/27/98
Date Analyzed:	10/29/98	10/28/98	10/28/98	10/28/98	10/28/98	10/28/98
Instrument Identification:	HP-3A	HP-3B	HP-3B	HP-3B	HP-3B	HP-3B
Surrogate Recovery, %: (QC Limits = 50-150%)	**	90	721 *	136	731 *	82

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

Dimple Sharma
Project Manager

Please Note:
* Surrogate recovery above control limit due to coelution.
** Surrogate recovery below detection limit due to dilution.

Sequoia Analytical

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Sequoia Analytical	Client Project ID:	P810399	Sampled: Oct 26, 1998
1455 N. McDowell Blvd., Ste. D	Sample Matrix:	Soil	Received: Oct 27, 1998
Petaluma, CA. 94954	Analysis Method:	EPA 3550/8015 Mod.	Reported: Oct 30, 1998
Attention: Debbie Leibensberger	First Sample #:	810-2105	

QC Batch Number: SP102798 SP102798

8015EXA 8015EXA

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

Analyte	Reporting Limit mg/kg	Sample I.D. 810-2105 P810399-07	Sample I.D. 810-2118 P810399-20
Extractable Hydrocarbons	1.0	N.D.	30
Chromatogram Pattern:		--	Unidentified Hydrocarbons >C13

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0
Date Extracted:	10/27/98	10/27/98
Date Analyzed:	10/28/98	10/29/98
Instrument Identification:	HP-3B	HP-3A
Surrogate Recovery, %: (QC Limits = 50-150%)	95	452 *

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

Dimple Sharma
Project Manager

Please Note:
* Surrogate recovery above control limit due to coelution.

Sequoia Analytical

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Sequoia Analytical	Client Project ID:	P810399	Sampled: Oct 26, 1998
1455 N. McDowell Blvd., Ste. D	Sample Matrix:	Soil	Received: Oct 27, 1998
Petaluma, CA. 94954	Analysis Method:	EPA 3550/8015 Mod.	Reported: Oct 30, 1998
Attention: Debbie Leibensberger	First Sample #:	810-2103	

QC Batch Number: SP102798 8015EXA | SP102798 8015EXA | SP102798 8015EXA

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS AS : HYDRAULIC FLUID

Analyte	Reporting Limit mg/kg	Sample I.D. 810-2103 P810399-05	Sample I.D. 810-2104 P810399-06	Sample I.D. 810-2105 P810399-07
Extractable Hydrocarbons	10	220	N.D.	N.D.
Chromatogram Pattern:		Unidentified Hydrocarbons >C14	--	--

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0	1.0
Date Extracted:	10/27/98	10/27/98	10/27/98
Date Analyzed:	10/28/98	10/28/98	10/28/98
Instrument Identification:	HP-3B	HP-3B	HP-3B
Surrogate Recovery, %: (QC Limits = 50-150%)	731 *	82	95

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

SEQUOIA ANALYTICAL, #1271

Dimple Sharma
Project Manager

Please Note:
* Surrogate recovery above control limit due to coelution.

Sequoia Analytical

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Sequoia Analytical	Client Project ID:	P810399	Sampled:	Oct 26, 1998
1455 N. McDowell Blvd., Ste. D	Sample Descript:	Soil, P810399-01	Received:	Oct 27, 1998
Petaluma, CA. 94954			Digested:	Oct 28, 1998
Attention: Debbie Leibensberger	Lab Number:	810-2099	Analyzed:	Oct 28, 1998
			Reported:	Oct 30, 1998

LUFT METALS

Analyte	Detection Limit mg/kg	Sample Results mg/kg	QC Batch Number	Instrument ID
Cadmium	0.50	N.D.	ME1028986010MDA	MV-3
Chromium	0.50	29	ME1028986010MDA	MV-3
Lead	1.0	20	ME1028986010MDA	MV-3
Nickel	1.0	38	ME1028986010MDA	MV-3
Zinc	1.0	51	ME1028986010MDA	MV-3

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

SEQUOIA ANALYTICAL, #1271

Dimple Sharma
Project Manager

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Sequoia Analytical	Client Project ID:	P810399	Sampled:	Oct 26, 1998
1455 N. McDowell Blvd., Ste. D	Sample Descript:	Soil, P810399-02	Received:	Oct 27, 1998
Petaluma, CA. 94954			Digested:	Oct 28, 1998
Attention: Debbie Leibensberger	Lab Number:	810-2100	Analyzed:	Oct 28, 1998
			Reported:	Oct 30, 1998

LUFT METALS

Analyte	Detection Limit mg/kg	Sample Results mg/kg	QC Batch Number	Instrument ID
Cadmium	0.50	N.D.	ME1028986010MDA	MV-3
Chromium	0.50	31	ME1028986010MDA	MV-3
Lead	1.0	6.7	ME1028986010MDA	MV-3
Nickel	1.0	30	ME1028986010MDA	MV-3
Zinc	1.0	44	ME1028986010MDA	MV-3

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

SEQUOIA ANALYTICAL, #1271

Dimple Sharma
Project Manager

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Sequoia Analytical	Client Project ID:	P810399	Sampled:	Oct 26, 1998
1455 N. McDowell Blvd., Ste. D	Sample Descript:	Soil, P810399-03	Received:	Oct 27, 1998
Petaluma, CA. 94954			Digested:	Oct 28, 1998
Attention: Debbie Leibensberger	Lab Number:	810-2101	Analyzed:	Oct 28, 1998
			Reported:	Oct 30, 1998

LUFT METALS

Analyte	Detection Limit mg/kg	Sample Results mg/kg	QC Batch Number	Instrument ID
Cadmium	0.50	N.D.	ME1028986010MDA	MV-3
Chromium	0.50	73	ME1028986010MDA	MV-3
Lead	1.0	3.5	ME1028986010MDA	MV-3
Nickel	1.0	63	ME1028986010MDA	MV-3
Zinc	1.0	43	ME1028986010MDA	MV-3

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

SEQUOIA ANALYTICAL, #1271

Dimple Sharma
Project Manager

Sequoia Analytical

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Sequoia Analytical	Client Project ID:	P810399	Sampled:	Oct 26, 1998
1455 N. McDowell Blvd., Ste. D	Sample Descript:	Soil, P810399-04	Received:	Oct 27, 1998
Petaluma, CA. 94954			Digested:	Oct 28, 1998
Attention: Debbie Leibensberger	Lab Number:	810-2102	Analyzed:	Oct 28, 1998
			Reported:	Oct 30, 1998

LUFT METALS

Analyte	Detection Limit mg/kg	Sample Results mg/kg	QC Batch Number	Instrument ID
Cadmium	0.50	N.D.	ME1028986010MDA	MV-3
Chromium	0.50	41	ME1028986010MDA	MV-3
Lead	1.0	7.2	ME1028986010MDA	MV-3
Nickel	1.0	37	ME1028986010MDA	MV-3
Zinc	1.0	50	ME1028986010MDA	MV-3

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

SEQUOIA ANALYTICAL, #1271

Dimple Sharma
Project Manager

Sequoia Analytical

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Sequoia Analytical
1455 N. McDowell Blvd., Ste. D
Petaluma, CA. 94954
Attention: Debbie Leibensberger

Client Project ID: P810399
Sample Descript: Soil, P810399-20
Lab Number: 810-2118

Sampled: Oct 26, 1998
Received: Oct 27, 1998
Digested: Oct 27-28, 1998
Analyzed: Oct 28-29, 1998
Reported: Oct 30, 1998

CAM 17 METALS

Analyte	Detection Limit mg/kg	Sample Results mg/kg	QC Batch Number	Instrument ID
Antimony	5.0	N.D.	ME1028986010MDA	MV-4
Arsenic	5.0	11	ME1028986010MDA	MV-4
Barium	0.50	180	ME1028986010MDA	MV-4
Beryllium	0.50	N.D.	ME1028986010MDA	MV-4
Cadmium	0.50	N.D.	ME1028986010MDA	MV-4
Chromium (III)	0.50	25	ME1028986010MDA	MV-4
Cobalt	0.50	9.5	ME1028986010MDA	MV-4
Copper	0.50	37	ME1028986010MDA	MV-4
Lead	1.0	N.D.	ME1028986010MDA	MV-4
Mercury	0.010	0.23	ME1027987471MDB	MV-1
Molybdenum	0.50	N.D.	ME1028986010MDA	MV-4
Nickel	1.0	23	ME1028986010MDA	MV-4
Selenium	5.0	N.D.	ME1028986010MDA	MV-4
Silver	0.50	0.60	ME1028986010MDA	MV-1
Thallium	5.0	N.D.	ME1028986010MDA	MV-4
Vanadium	0.50	45	ME1028986010MDA	MV-4
Zinc	1.0	50	ME1028986010MDA	MV-4

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

SEQUOIA ANALYTICAL, #1271

Dimple Sharma
Project Manager

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Sequoia Analytical	Client Project ID:	P810399	Sampled: Oct 26, 1998
1455 N. McDowell Blvd., Ste. D	Sample Descript:	Soil	Received: Oct 27, 1998
Petaluma, CA. 94954	Analysis for:	Lead	Digested: Oct 28, 1998
Attention: Debbie Leibensberger	First Sample #:	810-2106	Analyzed: Oct 28, 1998
			Reported: Oct 30, 1998

LABORATORY ANALYSIS FOR: Lead

Sample Number	Sample Description	Detection Limit mg/kg	Sample Result mg/kg	QC Batch Number	Instrument ID
810-2106	P810399-08	1.0	3.9	ME1028986010MDA	MV-3
810-2107	P810399-09	1.0	3.6	ME1028986010MDA	MV-3
810-2108	P810399-10	1.0	4.3	ME1028986010MDA	MV-3
810-2109	P810399-11	1.0	3.2	ME1028986010MDA	MV-3
810-2110	P810399-12	1.0	5.1	ME1028986010MDA	MV-3
810-2111	P810399-13	1.0	4.6	ME1028986010MDA	MV-3
810-2112	P810399-14	1.0	8.5	ME1028986010MDA	MV-3
810-2113	P810399-15	1.0	6.7	ME1028986010MDA	MV-3
810-2114	P810399-16	1.0	6.4	ME1028986010MDA	MV-3
810-2115	P810399-17	1.0	11	ME1028986010MDA	MV-3
810-2116	P810399-18	1.0	6.7	ME1028986010MDA	MV-3
810-2117	P810399-19	1.0	5.5	ME1028986010MDA	MV-3
810-2119	P810399-21	1.0	3.7	ME1028986010MDA	MV-3
810-2120	P810399-22	1.0	12	ME1028986010MDA	MV-3

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

SEQUOIA ANALYTICAL, #1271

Dimple Sharma
Project Manager

Sequoia Analytical

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Sequoia Analytical
1455 N. McDowell Blvd., Ste. D
Petaluma, CA. 94954
Attention: Debbie Leibensberger

Client Project ID: P810399
Matrix: Solid
QC Sample Group: 8102099-120

Reported: Oct 30, 1998

QUALITY CONTROL DATA REPORT

Analyte:	Cadmium	Chromium	Lead	Nickel	Zinc	Mercury	Diesel
QC Batch#:	ME102898	ME102898	ME102898	ME102898	ME102898	ME102798	SP102798
	6010MDA	6010MDA	6010MDA	6010MDA	6010MDA	7471MDB	8015EXA
Analy. Method:	EPA 6010	EPA 6010	EPA 6010	EPA 6010	EPA 6010	EPA 7471	EPA 8015M.
Prep. Method:	EPA 3050	EPA 3050	EPA 3050	EPA 3050	EPA 3050	EPA 7471	EPA 3550
Analyst:	J. Kelly	J. Kelly	J. Kelly	J. Kelly	J. Kelly	T. Le	K. Grubb
MS/MSD #:	8102101	8102101	8102101	8102101	8102101	8102063	8101874
Sample Conc.:	N.D.	73 mg/kg	3.5 mg/kg	63 mg/kg	43 mg/kg	0.014 mg/kg	1.0 mg/kg
Prepared Date:	10/28/98	10/28/98	10/28/98	10/28/98	10/28/98	10/27/98	10/27/98
Analyzed Date:	10/28/98	10/28/98	10/28/98	10/28/98	10/28/98	10/28/98	10/28/98
Instrument I.D.#:	MV-3	MV-3	MV-3	MV-3	MV-3	MV-1	HP-3B
Conc. Spiked:	50 mg/kg	50 mg/kg	50 mg/kg	50 mg/kg	50 mg/kg	0.10 mg/kg	15 mg/kg
Result:	54	130	56	100	91	0.11	11
MS % Recovery:	108	114	105	74	96	96	67
Dup. Result:	55	130	58	110	97	0.12	12
MSD % Recov.:	110	114	109	94	108	106	73
RPD:	1.8	0.0	3.5	9.5	6.4	8.7	8.7
RPD Limit:	0-20	0-20	0-20	0-20	0-20	0-20	0-50

LCS #:	LCS102898	LCS102898	LCS102898	LCS102898	LCS102898	LCS102798B	LCS102798
Prepared Date:	10/28/98	10/28/98	10/28/98	10/28/98	10/28/98	10/27/98	10/27/98
Analyzed Date:	10/28/98	10/28/98	10/28/98	10/28/98	10/28/98	10/28/98	10/28/98
Instrument I.D.#:	MV-3	MV-3	MV-3	MV-3	MV-3	MV-1	HP-3B
Conc. Spiked:	50 mg/kg	50 mg/kg	50 mg/kg	50 mg/kg	50 mg/kg	0.10 mg/kg	15 mg/kg
LCS Result:	56	56	58	57	55	0.10	11
LCS % Recov.:	112	112	116	114	110	100	73

MS/MSD LCS Control Limits	80-120	80-120	80-120	80-120	80-120	75-125	60-140

SEQUOIA ANALYTICAL, #1271

Dimple Sharma
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

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Sequoia Analytical
1455 N. McDowell Blvd., Ste. D
Petaluma, CA. 94954
Attention: Debbie Leibensberger

Client Project ID: P810399
Matrix: Solid
QC Sample Group: 8102099-120

Reported: Oct 30, 1998

QUALITY CONTROL DATA REPORT

Analyte:	Silver	Cadmium	Chromium	Nickel	Lead	Zinc
QC Batch#:	ME102898	ME102898	ME102898	ME102898	ME102898	ME102898
	6010MDA	6010MDA	6010MDA	6010MDA	6010MDA	6010MDA
Analy. Method:	EPA 7760	EPA 6010	EPA 6010	EPA 6010	EPA 6010	EPA 6010
Prep. Method:	EPA 3050	EPA 3050	EPA 3050	EPA 3050	EPA 3050	EPA 3050
Analyst:	K. Anderson	J. Kelly	J. Kelly	J. Kelly	J. Kelly	J. Kelly
MS/MSD #:	8102101	-	-	-	-	-
Sample Conc.:	1.6 mg/kg	-	-	-	-	-
Prepared Date:	10/28/98	-	-	-	-	-
Analyzed Date:	10/29/98	-	-	-	-	-
Instrument I.D.#:	MV-1	-	-	-	-	-
Conc. Spiked:	50 mg/Kg	-	-	-	-	-
Result:	50	-	-	-	-	-
MS % Recovery:	97	-	-	-	-	-
Dup. Result:	46	-	-	-	-	-
MSD % Recov.:	89	-	-	-	-	-
RPD:	8.3	-	-	-	-	-
RPD Limit:	0-20	-	-	-	-	-

LCS #:	LCS102898	LCS102898	LCS102898	LCS102898	LCS102898	LCS102798B
Prepared Date:	10/28/98	10/28/98	10/28/98	10/28/98	10/28/98	10/28/98
Analyzed Date:	10/29/98	10/29/98	10/29/98	10/29/98	10/29/98	10/29/98
Instrument I.D.#:	MV-1	MV-4	MV-4	MV-4	MV-4	MV-4
Conc. Spiked:	50 mg/Kg	50 mg/Kg	50 mg/Kg	50 mg/Kg	50 mg/Kg	50 mg/Kg
LCS Result:	50	51	50	51	49	50
LCS % Recov.:	100	102	100	102	98	100
MS/MSD LCS Control Limits	80-120	80-120	80-120	80-120	80-120	80-120

SEQUOIA ANALYTICAL, #1271

Dimple Sharma
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 - Petaluma Subcontract Order
P810399

Sending Laboratory	Receiving Laboratory
Sequoia Analytical - Petaluma 1455 N. McDowell Blvd. Suite D Petaluma, CA 94954 Phone: 707/792-1865 Fax: 707/792-0342 Project Manager: Debbie Leibensberger	Sequoia- Walnut Creek 404 N. Wiget Ln Walnut Creek, CA 94598 Phone: 925-988-9600 Fax: 925-988-9673

9810531

Subcontract Order Comments

10/27/98 08:45

Sample/Analysis Information

Sample Name	Matrix	Sampled/ Expires	Analysis Requested	Due	Lab Number	Container	Comments
P810399-01	Soil	10/26/98			8102099	B	
		4/24/99	Cd Total ICP 6010A	10/29/98			
		4/24/99	Cr Total ICP 6010A	10/29/98			
		4/24/99	Ni Total ICP 6010A	10/29/98			
		4/24/99	Pb Total ICP 6010A	10/29/98			
		11/9/98	TPH-D default	10/29/98			SUB
		4/24/99	Zn Total ICP 6010A	10/29/98			
P810399-02	Soil	10/26/98			8102100	B	
		4/24/99	Cd Total ICP 6010A	10/29/98			
		4/24/99	Cr Total ICP 6010A	10/29/98			
		4/24/99	Ni Total ICP 6010A	10/29/98			
		4/24/99	Pb Total ICP 6010A	10/29/98			
		11/9/98	TPH-D default	10/29/98			SUB
		4/24/99	Zn Total ICP 6010A	10/29/98			
P810399-03	Soil	10/26/98			8102101	B	
		4/24/99	Cd Total ICP 6010A	10/29/98			
		4/24/99	Cr Total ICP 6010A	10/29/98			
		4/24/99	Ni Total ICP 6010A	10/29/98			
		4/24/99	Pb Total ICP 6010A	10/29/98			
		11/9/98	TPH-D default	10/29/98			SUB
		4/24/99	Zn Total ICP 6010A	10/29/98			
P810399-04	Soil	10/26/98			8102102	B	
		4/24/99	Cd Total ICP 6010A	10/29/98			
		4/24/99	Cr Total ICP 6010A	10/29/98			
		4/24/99	Ni Total ICP 6010A	10/29/98			
		4/24/99	Pb Total ICP 6010A	10/29/98			
		11/9/98	TPH-D default	10/29/98			SUB
		4/24/99	Zn Total ICP 6010A	10/29/98			
P810399-05	Soil	10/26/98				B	
		11/9/98	TPH-D/MO+ others	10/29/98	8102103		Diesel and Hydraulic Oil only
P810399-06	Soil	10/26/98				B	
		11/9/98	TPH-D/MO+ others	10/29/98	8102104		Diesel and Hydraulic Oil only
P810399-07	Soil	10/26/98				B	
		11/9/98	TPH-D/MO+ others	10/29/98	8102105		Diesel and Hydraulic Oil only

Released By [signature] Date 10/27/98 Received By [signature] Date 10/27/98

Released By [signature] Date 10/27/98 Received By [signature] Date 10/27/98

Sequoia Analytical - Petaluma Subcontract Order
P810399

9810531

Sample Name	Matrix	Sampled/ Expires	Analysis Requested	Due	Lab Number	Container		Comments
P810399-08	Soil	10/26/98			8102106	B		
		4/24/99	Pb Total ICP 6010A	10/29/98			SUB	
P810399-09	Soil	10/26/98			8102107	B		
		4/24/99	Pb Total ICP 6010A	10/29/98			SUB	
P810399-10	Soil	10/26/98			8102108	B		
		4/24/99	Pb Total ICP 6010A	10/29/98			SUB	
P810399-11	Soil	10/26/98			8102109	B		
		4/24/99	Pb Total ICP 6010A	10/29/98			SUB	
P810399-12	Soil	10/26/98			8102110	B		
		4/24/99	Pb Total ICP 6010A	10/29/98			SUB	
P810399-13	Soil	10/26/98			8102111	B		
		4/24/99	Pb Total ICP 6010A	10/29/98			SUB	
P810399-14	Soil	10/26/98			8102112	B		
		4/24/99	Pb Total ICP 6010A	10/29/98			SUB	
P810399-15	Soil	10/26/98			8102113	B		
		4/24/99	Pb Total ICP 6010A	10/29/98			SUB	
P810399-16	Soil	10/26/98			8102114	B		
		4/24/99	Pb Total ICP 6010A	10/29/98			SUB	
P810399-17	Soil	10/26/98			8102115	B		
		4/24/99	Pb Total ICP 6010A	10/29/98			SUB	
P810399-18	Soil	10/26/98			8102116	B		
		4/24/99	Pb Total ICP 6010A	10/29/98			SUB	
P810399-19	Soil	10/26/98			8102117	B		
		4/24/99	Pb Total ICP 6010A	10/29/98			SUB	
P810399-20	Soil	10/26/98			8102118	A	4 TO 1 COMPOSITE	
		11/23/98	Hg Total CVAA*	10/29/98			SUB TO W. C.	
		11/23/98	Metals, CAM TTLC ICP	10/29/98			SUB TO W. C.	
		11/9/98	TPH-D default	10/29/98			SUB	
P810399-21	Soil	10/26/98	total as per call		8102119	A	4 TO 1 COMPOSITE	
		4/24/99	Pb ~~STLC~~ ICP 6010A 10/27	10/29/98			SUB	
P810399-22	Soil	10/26/98	total		8102120	A	4 TO 1 COMPOSITE	
		4/24/99	Pb ~~STLC~~ ICP 6010A	10/29/98			SUB	

Released By *[signature]* Date 10/27/98 Received By *[signature]* Date 10/27 1545

Released By ______ Date ______ Received By ______ Date ______

Sequoia Analytical

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November 3, 1998

Mr. Jeff Monroe
Touchstone Developments
PO Box 2554
Santa Rosa, CA 95405

RE: Chevron/General/P811001

Dear Mr. Jeff Monroe

Enclosed are the results of analyses for sample(s) received by the laboratory on November 2, 1998. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Debbie Leibensberger
Project Manager

CA ELAP Certificate Number 2245

Sequoia Analytical

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Touchstone Developments	Project:	Chevron/General	Sampled:	10/26/98
PO Box 2554	Project Number:	9-8139	Received:	11/2/98
Santa Rosa, CA 95405	Project Manager:	Mr. Jeff Monroe	Reported:	11/3/98

ANALYTICAL REPORT FOR P811001

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
SP-2(A-D)	P811001-01	Soil	10/26/98

Sequoia Analytical

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Touchstone Developments	Project:	Chevron/General	Sampled: 10/26/98
PO Box 2554	Project Number:	9-8139	Received: 11/2/98
Santa Rosa, CA 95405	Project Manager:	Mr. Jeff Monroe	Reported: 11/3/98

Volatile Organic Compounds by EPA Method 8010B
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
SP-2(A-D)			**P811001-01**				**Soil**	
Bromodichloromethane	8100549	11/3/98	11/3/98		5.00	ND	ug/kg	
Bromoform	"	"	"		5.00	ND	"	
Bromomethane	"	"	"		5.00	ND	"	
Carbon tetrachloride	"	"	"		5.00	ND	"	
Chlorobenzene	"	"	"		5.00	ND	"	
Chloroethane	"	"	"		5.00	ND	"	
2-Chloroethylvinyl ether	"	"	"		50.0	ND	"	
Chloroform	"	"	"		5.00	ND	"	
Chloromethane	"	"	"		5.00	ND	"	
Dibromochloromethane	"	"	"		5.00	ND	"	
1,2-Dibromoethane (EDB)	"	"	"		5.00	ND	"	
1,2-Dichlorobenzene	"	"	"		5.00	ND	"	
1,3-Dichlorobenzene	"	"	"		5.00	ND	"	
1,4-Dichlorobenzene	"	"	"		5.00	ND	"	
Dichlorodifluoromethane	"	"	"		5.00	ND	"	
1,1-Dichloroethane	"	"	"		5.00	ND	"	
1,2-Dichloroethane	"	"	"		5.00	ND	"	
1,1-Dichloroethene	"	"	"		5.00	ND	"	
cis-1,2-Dichloroethene	"	"	"		5.00	ND	"	
trans-1,2-Dichloroethene	"	"	"		5.00	ND	"	
1,2-Dichloropropane	"	"	"		5.00	ND	"	
cis-1,3-Dichloropropene	"	"	"		5.00	ND	"	
trans-1,3-Dichloropropene	"	"	"		5.00	ND	"	
Freon 113	"	"	"		5.00	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		5.00	ND	"	
Tetrachloroethene	"	"	"		5.00	ND	"	
1,1,2-Trichloroethane	"	"	"		5.00	ND	"	
1,1,1-Trichloroethane	"	"	"		5.00	ND	"	
Trichloroethene	"	"	"		5.00	ND	"	
Trichlorofluoromethane	"	"	"		5.00	ND	"	
Vinyl chloride	"	"	"		5.00	ND	"	
Surrogate: Bromochloromethane	"	"	"	-		*90.0*	%	
Surrogate: 1,4-Dichlorobutane	"	"	"	-		*121*	"	

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Touchstone Developments	Project:	Chevron/General	Sampled: 10/26/98
PO Box 2554	Project Number:	9-8139	Received: 11/2/98
Santa Rosa, CA 95405	Project Manager:	Mr. Jeff Monroe	Reported: 11/3/98

Volatile Organic Compounds by EPA Method 8010B/Quality Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 8100549	**Date Prepared: 10/27/98**					**Extraction Method: EPA 5030 soils MeOH**				
Blank	**8100549-BLK1**									
Bromodichloromethane	10/27/98			ND	ug/kg	50.0				
Bromoform	"			ND	"	50.0				
Bromomethane	"			ND	"	50.0				
Carbon tetrachloride	"			ND	"	50.0				
Chlorobenzene	"			ND	"	50.0				
Chloroethane	"			ND	"	50.0				
2-Chloroethylvinyl ether	"			ND	"	500				
Chloroform	"			ND	"	50.0				
Chloromethane	"			ND	"	50.0				
Dibromochloromethane	"			ND	"	50.0				
1,2-Dibromoethane (EDB)	"			ND	"	50.0				
1,2-Dichlorobenzene	"			ND	"	50.0				
1,3-Dichlorobenzene	"			ND	"	50.0				
1,4-Dichlorobenzene	"			ND	"	50.0				
Dichlorodifluoromethane	"			ND	"	50.0				
1,1-Dichloroethane	"			ND	"	50.0				
1,2-Dichloroethane	"			ND	"	50.0				
1,1-Dichloroethene	"			ND	"	50.0				
cis-1,2-Dichloroethene	"			ND	"	50.0				
trans-1,2-Dichloroethene	"			ND	"	50.0				
1,2-Dichloropropane	"			ND	"	50.0				
cis-1,3-Dichloropropene	"			ND	"	50.0				
trans-1,3-Dichloropropene	"			ND	"	50.0				
Freon 113	"			ND	"	50.0				
Methylene chloride	"			ND	"	50.0				
1,1,2,2-Tetrachloroethane	"			ND	"	50.0				
Tetrachloroethene	"			ND	"	50.0				
1,1,2-Trichloroethane	"			ND	"	50.0				
1,1,1-Trichloroethane	"			ND	"	50.0				
Trichloroethene	"			ND	"	50.0				
Trichlorofluoromethane	"			ND	"	50.0				
Vinyl chloride	"			ND	"	50.0				
Surrogate: Bromochloromethane	"	*3000*		*3030*	"		*101*			
Surrogate: 1,4-Dichlorobutane	"	*3000*		*3000*	"		*100*			
Blank	**8100549-BLK2**									
Bromodichloromethane	11/3/98			ND	ug/kg	0.500				
Bromoform	"			ND	"	0.500				
Bromomethane	"			ND	"	0.500				
Carbon tetrachloride	"			ND	"	0.500				

Sequoia Analytical

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Touchstone Developments	Project:	Chevron/General	Sampled: 10/26/98
PO Box 2554	Project Number:	9-8139	Received: 11/2/98
Santa Rosa, CA 95405	Project Manager:	Mr. Jeff Monroe	Reported: 11/3/98

Volatile Organic Compounds by EPA Method 8010B/Quality Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Blank (continued)	**8100549-BLK2**									
Chlorobenzene	11/3/98			**ND**	ug/kg	**0.500**				
Chloroethane	"			**ND**	"	**0.500**				
2-Chloroethylvinyl ether	"			**ND**	"	**5.00**				
Chloroform	"			**ND**	"	**0.500**				
Chloromethane	"			**ND**	"	**0.500**				
Dibromochloromethane	"			**ND**	"	**0.500**				
1,2-Dibromoethane (EDB)	"			**ND**	"	**0.500**				
1,2-Dichlorobenzene	"			**ND**	"	**0.500**				
1,3-Dichlorobenzene	"			**ND**	"	**0.500**				
1,4-Dichlorobenzene	"			**ND**	"	**0.500**				
Dichlorodifluoromethane	"			**ND**	"	**0.500**				
1,1-Dichloroethane	"			**ND**	"	**0.500**				
1,2-Dichloroethane	"			**ND**	"	**0.500**				
1,1-Dichloroethene	"			**ND**	"	**0.500**				
cis-1,2-Dichloroethene	"			**ND**	"	**0.500**				
trans-1,2-Dichloroethene	"			**ND**	"	**0.500**				
1,2-Dichloropropane	"			**ND**	"	**0.500**				
cis-1,3-Dichloropropene	"			**ND**	"	**0.500**				
trans-1,3-Dichloropropene	"			**ND**	"	**0.500**				
Freon 113	"			**ND**	"	**0.500**				
Methylene chloride	"			**ND**	"	**0.500**				
1,1,2,2-Tetrachloroethane	"			**ND**	"	**0.500**				
Tetrachloroethene	"			**ND**	"	**0.500**				
1,1,2-Trichloroethane	"			**ND**	"	**0.500**				
1,1,1-Trichloroethane	"			**ND**	"	**0.500**				
Trichloroethene	"			**ND**	"	**0.500**				
Trichlorofluoromethane	"			**ND**	"	**0.500**				
Vinyl chloride	"			**ND**	"	**0.500**				
Surrogate: Bromochloromethane	"	*3000*		*3200*	"		*107*			
Surrogate: 1,4-Dichlorobutane	"	*3000*		*3110*	"		*104*			
LCS	**8100549-BS1**									
Chlorobenzene	10/27/98	1000		1020	ug/kg		102			
1,1-Dichloroethene	"	1000		960	"		96.0			
Trichloroethene	"	1000		1020	"		102			
Surrogate: Bromochloromethane	"	*3000*		*2850*	"		*95.0*			
Surrogate: 1,4-Dichlorobutane	"	*3000*		*2960*	"		*98.7*			
LCS	**8100549-BS2**									
Chlorobenzene	11/3/98	1000		1010	ug/kg		101			
1,1-Dichloroethene	"	1000		1020	"		102			

Sequoia Analytical

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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Touchstone Developments	Project:	Chevron/General	Sampled: 10/26/98
PO Box 2554	Project Number:	9-8139	Received: 11/2/98
Santa Rosa, CA 95405	Project Manager:	Mr. Jeff Monroe	Reported: 11/3/98

Volatile Organic Compounds by EPA Method 8010B/Quality Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
LCS (continued)	**8100549-BS2**									
Trichloroethene	11/3/98	1000		996	ug/kg		99.6			
Surrogate: Bromochloromethane	"	*3000*		*2840*	"		*94.7*			
Surrogate: 1,4-Dichlorobutane	"	*3000*		*2750*	"		*91.7*			
Matrix Spike	**8100549-MS1**		**P810399-02**							
Chlorobenzene	10/27/98	1000	ND	1000	ug/kg		**100**			
1,1-Dichloroethene	"	1000	ND	941	"		**94.1**			
Trichloroethene	"	1000	ND	990	"		**99.0**			
Surrogate: Bromochloromethane	"	*3000*		*2620*	"		*87.3*			
Surrogate: 1,4-Dichlorobutane	"	*3000*		*2780*	"		*92.7*			
Matrix Spike Dup	**8100549-MSD1**		**P810399-02**							
Chlorobenzene	10/27/98	1000	ND	1010	ug/kg		**101**	**0.995**		
1,1-Dichloroethene	"	1000	ND	676	"		**67.6**	**32.8**		
Trichloroethene	"	1000	ND	1090	"		**109**	**9.62**		
Surrogate: Bromochloromethane	"	*3000*		*2870*	"		*95.7*			
Surrogate: 1,4-Dichlorobutane	"	*3000*		*2870*	"		*95.7*			

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Touchstone Developments	Project:	Chevron/General	Sampled:	10/26/98
PO Box 2554	Project Number:	9-8139	Received:	11/2/98
Santa Rosa, CA 95405	Project Manager:	Mr. Jeff Monroe	Reported:	11/3/98

Notes and Definitions

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

Fax copy of Lab Report and COC to Chevron Contact: [illegible]

Chain-of-Custody-Record

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

Chevron Facility Number: 9-8[illegible]
Facility Address: [illegible] Foothill Blvd, [illegible]
Consultant Project Number: [illegible]
Consultant Name: [illegible]
Address: [illegible]
Project Contact (Name): [illegible]
(Phone): [illegible] (Fax Number): [illegible]

Chevron Contact (Name): [illegible]
(Phone): [illegible]
Laboratory Name: [illegible]
Laboratory Release Number: [illegible]
Samples Collected by (Name): [illegible]
Collection Date: 10-26-[illegible]
Signature: [illegible]

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)	Total Pb	[illegible]				Remarks
11-2		1	S	D	3pm		Yes	X								X					P810399-14
12-2		↓	↓	↓	↓		↓	↓								↓					15
13-2		↓	↓	↓	↓		↓	↓								↓					16
14-2		↓	↓	↓	↓		↓	↓								↓					17
15-3		↓	↓	↓	↓		↓	↓								↓					18
16-5		↓	↓	↓	↓		↓	↓								↓					19
UCSP1(a-d)		4	S	C	↓		Yes	↓	X	X			X	X			X			20	[illegible]
SP1(a-d)		4	S	C	↓		↓	↓								X					21
SP2(a-d)		4	S	C	4pm		↓	↓			X					X					22 ✓

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Turn Around Time (Circle Choice)
[illegible]	[illegible]	8:40 10-27-[illegible]	[illegible]	[illegible]	[illegible]	24 Hrs. (circled)
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
						As Contracted

CCC-3.DWG/03 91/HCH

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November 4, 1998

Mr. Jeff Monroe
Touchstone Developments
PO Box 2554
Santa Rosa, CA 95405

RE: Chevron/General/P811011

Dear Mr. Jeff Monroe

Enclosed are the results of analyses for sample(s) received by the laboratory on November 3, 1998. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Debbie Leibensberger
Project Manager

CA ELAP Certificate Number 2245

Sequoia Analytical

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Touchstone Developments	Project:	Chevron/General	Sampled:	11/2/98
PO Box 2554	Project Number:	8139-2	Received:	11/3/98
Santa Rosa, CA 95405	Project Manager:	Mr. Jeff Monroe	Reported:	11/4/98

ANALYTICAL REPORT FOR P811011

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
PX1-4	P811011-01	Soil	11/2/98
PX3-4	P811011-02	Soil	11/2/98
PX4-4	P811011-03	Soil	11/2/98
PX6-4	P811011-04	Soil	11/2/98

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Touchstone Developments	Project:	Chevron/General	Sampled: 11/2/98
PO Box 2554	Project Number:	8139-2	Received: 11/3/98
Santa Rosa, CA 95405	Project Manager:	Mr. Jeff Monroe	Reported: 11/4/98

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
PX1-4			**P811011-01**				**Soil**	
Gasoline	8110034	11/3/98	11/3/98		2000	**2490**	ug/kg	
Benzene	"	"	"		10.0	**88.1**	"	
Toluene	"	"	"		10.0	ND	"	
Ethylbenzene	"	"	"		10.0	**49.4**	"	
Xylenes (total)	"	"	"		20.0	**166**	"	
Methyl tert-butyl ether	"	"	"		50.0	**2900**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	-		*108*	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	-		*93.7*	"	
PX3-4			**P811011-02**				**Soil**	
Gasoline	8110034	11/3/98	11/3/98		1000	**1030**	ug/kg	
Benzene	"	"	"		5.00	ND	"	
Toluene	"	"	"		5.00	ND	"	
Ethylbenzene	"	"	"		5.00	**8.51**	"	
Xylenes (total)	"	"	"		10.0	ND	"	
Methyl tert-butyl ether	"	"	"		25.0	**1300**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	-		*107*	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	-		*90.7*	"	
PX4-4			**P811011-03**				**Soil**	
Gasoline	8110034	11/3/98	11/3/98		1000	ND	ug/kg	
Benzene	"	"	"		5.00	ND	"	
Toluene	"	"	"		5.00	ND	"	
Ethylbenzene	"	"	"		5.00	ND	"	
Xylenes (total)	"	"	"		10.0	ND	"	
Methyl tert-butyl ether	"	"	"		25.0	**40.7**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	-		*111*	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	-		*95.0*	"	
PX6-4			**P811011-04**				**Soil**	
Gasoline	8110034	11/3/98	11/3/98		1000	ND	ug/kg	
Benzene	"	"	"		5.00	ND	"	
Toluene	"	"	"		5.00	ND	"	
Ethylbenzene	"	"	"		5.00	ND	"	
Xylenes (total)	"	"	"		10.0	ND	"	
Methyl tert-butyl ether	"	"	"		25.0	**555**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	-		*107*	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	-		*96.3*	"	

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Touchstone Developments	Project:	Chevron/General	Sampled: 11/2/98
PO Box 2554	Project Number:	8139-2	Received: 11/3/98
Santa Rosa, CA 95405	Project Manager:	Mr. Jeff Monroe	Reported: 11/4/98

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M/Quality Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 8110034	**Date Prepared: 11/3/98**					**Extraction Method: EPA 5030 soils**				
Blank	**8110034-BLK1**									
Gasoline	11/3/98			**ND**	ug/kg	**200**				
Benzene	"			**ND**	"	**1.00**				
Toluene	"			**ND**	"	**1.00**				
Ethylbenzene	"			**ND**	"	**1.00**				
Xylenes (total)	"			**ND**	"	**2.00**				
Methyl tert-butyl ether	"			**ND**	"	**5.00**				
Surrogate: a,a,a-Trifluorotoluene	"	*300*		*328*	"		*109*			
Surrogate: 4-Bromofluorobenzene	"	*300*		*301*	"		*100*			
LCS	**8110034-BS1**									
Gasoline	11/3/98	1000		1070	ug/kg		107			
Surrogate: 4-Bromofluorobenzene	"	*300*		*299*	"		*99.7*			
Matrix Spike	**8110034-MS1**		**P811011-03**							
Gasoline	11/3/98	5000	ND	4940	ug/kg		**98.8**			
Surrogate: 4-Bromofluorobenzene	"	*300*		*284*	"		*94.7*			
Matrix Spike Dup	**8110034-MSD1**		**P811011-03**							
Gasoline	11/3/98	5000	ND	4990	ug/kg		**99.8**		**1.01**	
Surrogate: 4-Bromofluorobenzene	"	*300*		*280*	"		*93.3*			

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Touchstone Developments	Project:	Chevron/General	Sampled: 11/2/98
PO Box 2554	Project Number:	8139-2	Received: 11/3/98
Santa Rosa, CA 95405	Project Manager:	Mr. Jeff Monroe	Reported: 11/4/98

Notes and Definitions

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

Fax copy of Lab Report and COC to Chevron Contact: ☐ 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: 9-8139
Facility Address: Foothill Blvd, San Leandro
Consultant Project Number: 8139-2
Consultant Name: Touchstone Developments
Address: PO Box 2554 Santa Rosa
Project Contact (Name): Jeff Monroe
(Phone) 707 5388818 (Fax Number) 5753594

Chevron Contact (Name): Phil Briggs
(Phone): 925 842 9136
Laboratory Name: Sequoia
Laboratory Release Number: 9144488
Samples Collected by (Name): Jeff Monroe
Collection Date: 11-2-98
Signature: [signature]

Analyses To Be Performed

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) w/ MTBE	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
																					P811011
PX1-4		1	S	D	13:40		Yes	X													P811011 - 01
PX3-4		1	↓	↓	13:42		↓	↓													-02
PX4-4		1	↓	↓	13:45		↓	↓													-03
PX6-4		1	↓	↓	13:48		↓	↓													-04

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
[signature]	TD	11-3-98 10:20			
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Recieved For Laboratory By (Signature)		Date/Time

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

COC-3.DWG/03 91/HCH