

April 3, 1999

Mr. Thomas Peacock
Manager, Environmental Protection Division.
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Chevron Service Station #9-2506 2630 Broadway

Oakland, California

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

Dear Mr. Peacock:

Enclosed is the Soil Overexcavation/Remediation Report, dated March 24, 1999 that was prepared by our consultant Touchstone Developments for the above noted facility. This report documents the soil excavation activities performed at this site.

Excavation was limited to the vicinity of the former pump islands and former used oil tank, which were removed on March 10, 1998 and documented in Touchstone's report of June 12, 1998. Soil remediation involved the minor excavation and removal of soils impacted by gasoline in the former dispenser areas. Test pits were also performed to evaluate areas of elevated lead found during the used oil tank removal. Mr. Jeff Monroe of Touchstone and Mr. Phil Briggs of Chevron were present to observe the excavation.

Excavation in the areas of the former pump islands was conducted to depths from approximately 5 to 9 feet below grade. Six soil samples were collected within the excavated areas and analyzed for the TPH-g, BTEX and MtBE constituents. Two samples were additionally analyzed for both total and organic lead. Refer to Table A for the analytical results. Note that these results are reported in ug/kg (parts per billion), except for the lead results which are reported in parts per million.

Approximately 160 cubic yards of soil was excavated from the former pump island areas and was stockpiled on site until analytical results were received. Upon receipt of the analytical results, the soil was profiled and transported to Redwood Landfill located in Novato, by Allwaste Transportation. Copies of landfill receipts are enclosed for reference.

April 3, 1999 Mr. Thomas Peacock Chevron Service Station #9-2506 Page 2

In the course of the excavation conducted in the area of the westerly inside pump island, which is denoted as samples PX7 and PX-10 in Figure 2 of this report, groundwater was encountered at a depth of approximately 9 feet, and further excavation was halted.

The former used oil tank area was re-excavated with the intent to over-excavate and remove any possible hydrocarbon impacted soils. The excavation revealed old fill material consisting of charred wood, broken bricks, ashes and concrete. Concrete footings/foundations and basement floor slabs were also discovered at the bottom of the former used oil tank excavation prohibiting further excavation. These remains appear to be left over from the former hospital that once occupied the site. The concrete footings were also observed in the westerly inside pump island excavation. Similar fill material was also detected in the northerly pump island excavations.

With the excavation and removal of hydrocarbon impacted soil in the area of the former pump island areas, and the previous removal of the tanks/piping at this site, it would be expected that the concentration of hydrocarbon constituents now detected in the monitoring wells located at this site will decline over time. Additional groundwater monitoring will be required to confirm this. Refer to the groundwater monitoring reports that are submitted semi-annually and under separate cover.

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. Hernan E. Gomez, Hazardous Materials Inspector Office of Emergency Services, City of Oakland 505-14th Street, 7th Floor Oakland, CA 94612

Mr. Bill Scudder, Chevron



Soil Overexcavation/Remediation Report

Former Chevron Station No. 9-2506 2630 Broadway Oakland, California

prepared for

Chevron Products Company 6001 Bollinger Canyon Road, Blgd. L San Ramon, California 94583-0804

prepared by

Touchstone Developments

Jeff Monroe Project Manager March 24, 1999

INTRODUCTION

This report prepared by Touchstone Developments (Touchstone) documents the soil excavation activities performed at the former Chevron Station No. 9-2506 located at 2630 Broadway, Oakland, California (Figure 1). Soil excavation activities were performed on November 19, 1998 by Musco Excavators located in Santa Rosa, California. Excavation was limited to the vicinity of the former pump islands and former used oil tank which were removed on March 10, 1998 and documented in Touchstone's June 12, 1998 report.

SITE ACTIVITIES

Soil remediation involved the minor excavation and removal of soils impacted by gasoline in the former dispenser areas. Test pits were also performed to evaluate areas of elevated lead found during the underground storage tank (UST) and piping removals.

A Touchstone representative was on site to observe excavation activities and to collect soil samples from the excavation and stockpiled soil. Soil excavation and sampling was also observed and requested by Phil Briggs representing Chevron Products Company.

Soil Sampling

Verification soil samples were collected from the excavations approximately 5 to 9 feet below grade surface (bgs). Soil samples were collected from the excavator bucket by removing the top few inches of soil and pushing a clean, three-inch-long (two inches in diameter) brass sample tube into the soil until completely full. The ends of the tubes were covered with aluminum foil and sealed with plastic end caps. The samples were then labeled, placed in a cooler with crushed ice, documented on a Chain-of-Custody form and transported to Sequoia Analytical, located in Petaluma, California, a State certified laboratory.

Soil samples collected from the excavation were analyzed for Total Petroleum Hydrocarbons (TPH) calculated as Gasoline according to EPA Method 8015 (Modified) and Benzene, Toluene, Ethylbenzene, Xylenes (BTEX) and Methyl Tert-Butyl Ether (MTBE) according to EPA Method 8020. Selected samples were additionally analyzed for both total and organic lead. Analytical summaries are found in Table A, results for TPHgas, BTEX and MTBE are reported ug/kg (perts per billion). Copies of the analytical laboratory reports and Chain-of-Custody forms are presented in Appendix A.

Approximately 160 cubic yards were excavated and stockpiled.

Samples were collected approximately every 40 cubic yards (cy) from the stockpile and designated SP-3(a-d). These four samples were collected by removing the top 12 to 16 inches of soil, then pushing a sample tube into the soil until completely full. The samples were then sealed, labeled and handled as previously described. Four samples were then composited in the laboratory and analyzed as one. Stockpile analytical results are summarized in Table A.

SOIL EXCAVATION AND REMEDIATION

Minor over-excavating was performed in each of the former dispenser areas. The approximate location and extent of the final excavations and associated samples are shown on Figure 2. Soil samples designated PX2, PX5, PX7, PX8, PX9 and PX10 were collected in the bottom of the excavations at depths between 5 and 9 feet bgs. Groundwater (soil saturation) was observed at approximately 9 feet bgs, at deepest excavation limits. Excavation soil samples are designated to correspond to the initial samples collected during the initial UST abandonments documented in Touchstone's report dated June 12, 1998. An estimated 160 cubic yards of soil was removed during these excavation activities. Excavation and soil sample locations are shown on Figure 2. Excavation sample depths and analytical summaries are listed in Table A.

Additionally, the former used oil tank area was re-excavated with the intent to over-excavate and remove any possible hydrocarbon impacted soils. The excavation revealed old fill material consisting of charred wood, broken bricks, ashes and concrete. Concrete footings/foundations and basement floor slabs were also discovered at the bottom of the former used oil tank excavation prohibiting further excavation. These remains appear to be left over from the former hospital that once occupied the site. The concrete footings inside dispenser were also observed in the westerly, similiar fill material in excavation. As well as northern dispenser excavations.

Two samples designated UOSP-2(a&b) were collected from the fill material in the former used oil tank excavation. The two samples were composited in the laboratory and analyzed as one to evaluate the elevated levels of lead previously detected during the initial UST abandonment sampling. The material removed in the former used oil tank excavation was recompacted back into that excavation. It appears that the elevated levels of lead (and possibly semi-volatile organics) detected at the site are related to the mixture of fill material used during the hospital demolition, and are unrelated to the former service station activities.

Stockpile Remediation

Soils generated from dispenser excavation activities (approximately 160 cubic yards represented by samples SP-3a-d) were placed on and covered with visqueen. Upon receipt of chemical analytical results, the soil was profiled and transported to Redwood Landfill located in Novato, California, for disposal. Transportation was performed by Allwaste Transportation and Remediation located in San Martin, California.

LIST OF ATTACHMENTS

Figure 1: Site Plan

Figure 2: Site Plan with Excavation and Sample Locations

Table A: Sample Analytical Summary

Appendix A: Analytical Laboratory Reports and Chain-of-

Custody forms

TABLE A

Sample Analytical Summary

TABLE A
Soil Sample Analytical Summary

Dispenser Island Overexcavation and Associated Stockpile Samples

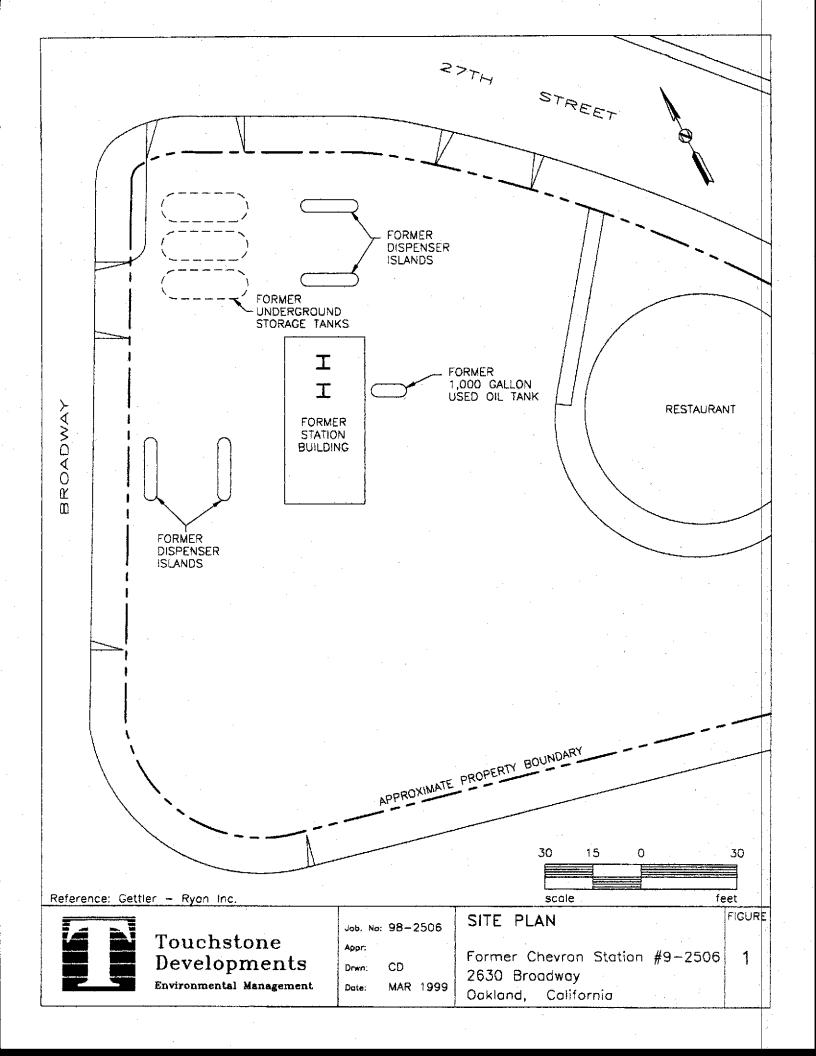
SAMPLE ID#	DEPTH (feet)	LAB	DATE	TPH- Gasoline	Benzene	Toluene	Ethyl- benzene	Xylenes	мтве	Total Pb	Organic Pl
PX2	5	Seguoia	19-Nov-98	2960	ND<2	ND<2	ND<2	ND<4	39.6	ND < 7.5ppm	ND < 5ppm
PX5	6	Seguoia	19-Nov-98	95700	ND<10	42.2	90.5	1010	ND < 10	ND < 7.5ppm	ND < 5ppm
PX7	9	Sequoia	19-Nov-98	1190000	ND < 500	23200	26700	149000	ND < 2500	NA	NA
PX8	7	Seguoia	19-Nov-98	ND < 400	ND<2	ND<2	ND<2	ND<4	637	NA	NA
PX9	6	Seguoia	19-Nov-98	5210	ND<2	35.7	63.1	596	138	NA	NA
PX10	9	Sequoia	19-Nov-98	44600	ND<5	ND<5	137	1180	ND < 25	NA	NA
SP-3(a-d)	Stockpile	Seguoia	19-Nov-98	37800	ND<10	273	505	3340	ND < 50	. 9.81ppm	NA

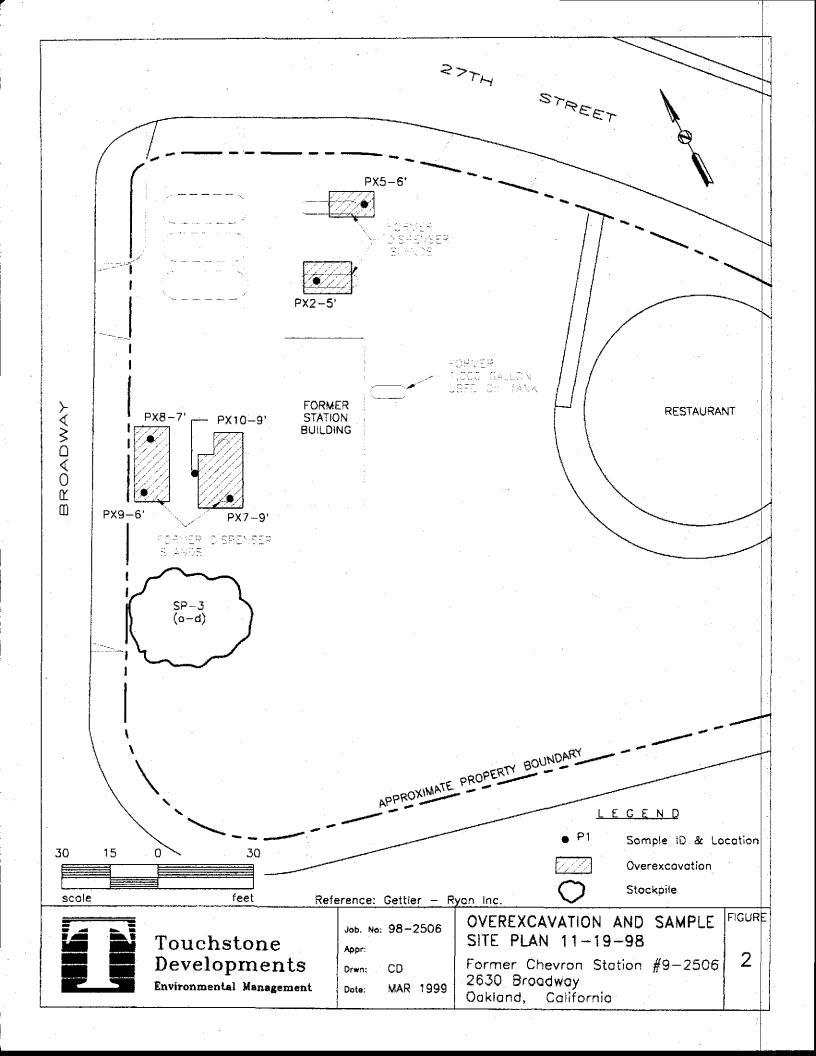
Former Used Oil Tank Excavation Stockpile Samples - 19-Nov-98

SAMPLE ID #	STLC Pb	LAB	DI STLC Pb	TPH-gas	Benzene	Toluene	Ethyl- benzene	Xylenes	MTBE	Total Pb	Organic Pb
UOSP-3a&b	161000ppb	Sequoia	ND<375ppb	ND < 400	ND<2	ND<2	ND<2	ND<4	ND<10	1790ppm	ND < 5ppm

TPH = Tetal Petroluem Hydrocarbons; ppb = Parts Par Billion; ppm = Parts Per million

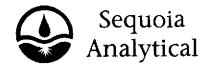
Nit ... Nice distanted at or about tab limits. No. ... Not Applyand SITRE ... Mothyl fort-fluid Fries. Ph. a. Loss





APPENDIX A

Analytical Reports and Chain-of-Custody Forms



Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834 Petaluma, CA 94954 (650) 364-9600 (925) 988-9600 (916) 921-9600 (707) 792-1865 FAX (650) 364-9233 FAX (925) 988-9673 FAX (916) 921-0100 FAX (707) 792-0342

December 16, 1998

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

RE: Chevron/Rod Simmons/P811267

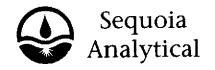
Dear Mr. Jeff Monroe

Enclosed are the results of analyses for sample(s) received by the laboratory on November 19, 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



Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834 Petaluma, CA 94954 (650) 364-9600 (925) 988-9600 (916) 921-9600 (707) 792-1865 FAX (650) 364-9233 FAX (925) 988-9673 FAX (916) 921-0100 FAX (707) 792-0342

Touchstone Developments PO Box 2554 Project: Chevron/Rod Simmons
Project Number: 2506-2

Sampled: 11/19/98 Received: 11/19/98

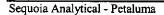
Santa Rosa, CA 95405

Project Manager: Mr. Jeff Monroe

Reported: 12/16/98

ANALYTICAL REPORT FOR P811267

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
PX8-7	P811267-01	Soil	11/19/98
PX9-6	P811267-02	Soil	11/19/98
PX10-9	P811267-03	Soil	11/19/98
PX7-9	P811267-04	Soil	11/19/98
PX5-6	P811267-05	Soil	11/19/98
PX2-5	P811267-06	Soil	11/19/98
UOSP-2(A-B) COMP	P811267-07	Soil	11/19/98





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Touchstone Developments PO Box 2554 Santa Rosa, CA 95405 Project: Chevron/Rod Simmons
Project Number: 2506-2

Sampled: 11/19/98 Received: 11/19/98

Project Manager: Mr. Jeff Monroe

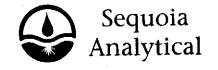
Reported: 12/16/98

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

	Batch	Date	Date	Surrogate	Reporting			
Analyte	Number	Prepared	Analyzed	Limits	Limit	Result	Units	Notes*
WW0 #								
PX8-7	0110534	11/20/00	P81120	<u> 57-U1</u>	400	\	<u>Soil</u>	
Gasoline	8110531	11/30/98	11/30/98		400	ND	ug/kg	
Benzene			" 11		2.00	ND		
Toluene	"	"	" 11		2.00	ND	"	
Ethylbenzene		" H	"		2.00	ND	"	
Xylenes (total)	"		**		4.00	ND	" 11	İ
Methyl tert-butyl ether	 "	<u>"</u>			10.0	637		
Surrogate: a,a,a-Trifluorotoluene	,,	"	"	-		91.7	%	
Surrogate: 4-Bromofluorobenzene	,,	m .	"	-		89.7	"	
PX9-6			P81120	67-02			Soil	
Gasoline	8110531	12/1/98	12/1/98		400	5210	ug/kg	ĺ
Benzene	H	"	"		2.00	ND	"	
Toluene	m .	п	**		2.00	35.7	H	
Ethylbenzene	**	11	H		2.00	63.1	н	
Xylenes (total)	H	11	H		4.00	596		
Methyl tert-butyl ether	п	11	н		10.0	138		
Surrogate: a,a,a-Trifluorotoluene	п	н	"	-		89.7	%	
Surrogate: 4-Bromofluorobenzene	Ħ	**	rr	-		69.0	"	
<u>PX10-9</u>			P81126	<u> 57-03</u>			Soil	
Gasoline	8110531	11/30/98	12/1/98		1000	44600	ug/kg	
Benzene	н .	#	It		5.00	ND	tr	
Toluene	11	**	11		5.00	ND	•1	
Ethylbenzene	**	*	11		5.00	137	•	.
Xylenes (total)	77	**	11		10.0	1180	*	
Methyl tert-butyl ether	tt	• и	,,		25.0	ND		
Surrogate: a,a,a-Trifluorotoluene	"	"	**	-		7 6 .7	%	
Surrogate: 4-Bromofluorobenzene	rr .	H .	ii	-		115	#	
PX7-9			P81120	57-04			Soil	
Gasoline	8110494	12/1/98	12/1/98	<u> </u>	100000	1190000	ug/kg	
Benzene	011 0434	1 <i>21</i> 1170	12/1/36		500	ND	ug/kg "	
Toluene	tı	11	tt		500	23200		
Ethylbenzene	11	н	n		500	26700	**	
Xylenes (total)	n .	н	10		1000	149000		
Methyl tert-butyl ether	**	Ħ	11		2500	149000 ND		
Surrogate: a,a,a-Trifluorotoluene	#	н			2500	88.0	%	
Surrogate: 4-Bromosluorobenzene	<i>#</i>	#	"	-		108	/a #	
-3								Į
PX5-6			P81120	<u> 67-05</u>			<u>Soil</u>	
Gasoline	8110531	11/30/98	12/1/98		2000	95700	ug/kg	

Sequoia Analytical - Petaluma

*Refer to end of report for text of notes and definitions.

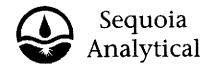


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Touchstone Developments Project: Chevron/Rod Simmons Sampled: 11/19/98
PO Box 2554 Project Number: 2506-2 Received: 11/19/98
Santa Rosa, CA 95405 Project Manager: Mr. Jeff Monroe Reported: 12/16/98

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

	Batch	Date	Date	Surrogate	Reporting			
Analyte	Number	Prepared	Analyzed	Limits	Limit	Result	Units	Notes*
PX5-6 (continued)			P81126	67-05			<u>Soil</u>	
Benzene	8110531	11/30/98	12/1/98) - 0.5	10.0	ND	ug/kg	
Toluene	"	"	11		10.0	42.2	"	
Ethylbenzene	**	17	11		10.0	90.5	н	
Xylenes (total)	11	#1	**		20.0	1010	11	.
Methyl tert-butyl ether	95		н		50.0	ND	u	
Surrogate: a,a,a-Trifluorotoluene	**	н	"	-		86.7	%	
Surrogate: 4-Bromofluorobenzene	n	tt	, #	-		101	"	į
2								
PX2-5			P81126	<u> </u>			<u>Soil</u>	
Gasoline	8110531	11/30/98	12/1/98		400	2960	ug/kg	
Benzene	u .	11	#		2.00	ND	n	
Toluene	41	11	н		2.00	ND	**	
Ethylbenzene	u	н	n		2.00	ND	tr.	
Xylenes (total)	*1	н	l+		4.00	ND	H	
Methyl tert-butyl ether	**		п		10.0	39.6	It	
Surrogate: a,a,a-Trifluorotoluene	"	"	η	-		87.7	%	
Surrogate: 4-Bromofluorobenzene	"	#	н	-		84.0	п	
UOSP-2(A-B) COMP			P81126	57-07			<u>Soil</u>	
Gasoline	8110531	11/30/98	12/1/98		400	ND	ug/kg	
Benzene	н	rt .	н		2.00	ND	,,	
Toluene	11	tt	н		2.00	ND	**	
Ethylbenzene	11	ш	**		2.00	ND	**	
Xylenes (total)	41	ш	*1		4.00	ND	**	
Methyl tert-butyl ether	11	11	n		10.0	ND	**	!
Surrogate: a,a,a-Trifluorotoluene	n .	п	"	-		89.7	%	
Surrogate: 4-Bromofluorobenzene	"	n	n	-		72.0	H	

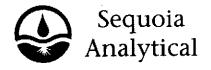


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Touchstone DevelopmentsProject:Chevron/Rod SimmonsSampled:11/19/98PO Box 2554Project Number:2506-2Received:11/19/98Santa Rosa, CA 95405Project Manager:Mr. Jeff MonroeReported:12/16/98

Total Metals by EPA 6000/7000 Series Methods Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes	s*
PX5-6 Lead	8110358	11/19/98	<u>P8112</u> 11/20/98	67-05 EPA 6010A	7.50	ND	<u>Soil</u> mg/kg		
PX2-5 Lead	8110358	11/19/98	<u>P8112</u> 11/20/98	67-06 EPA 6010A	7.50	ND	<u>Soil</u> mg/kg		
UOSP-2(A-B) COMP Lead	8110358	11/19/98	<u>P8112</u> 11/19/98	<u>67-07</u> EPA 6010A	30.0	1790	<u>Soil</u> mg/kg		



Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834 Petaluma, CA 94954 (650) 364-9600 (925) 988-9600 (916) 921-9600 (707) 792-1865 FAX (650) 364-9233 FAX (925) 988-9673 FAX (916) 921-0100 FAX (707) 792-0342

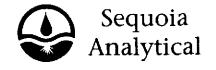
Touchstone Developments Project: Chevron/Rod Simmons Sampled: 11/19/98
PO Box 2554 Project Number: 2506-2 Received: 11/19/98
Santa Rosa, CA 95405 Project Manager: Mr. Jeff Monroe Reported: 12/16/98

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

	Date	Spike	Sample	QC		Reporting Limit	Recov.	RPD RPI	- +
Analyte	Analyzed	Level	Result	Result	Units	Recov. Limits			6 Note
Batch: 8110494	Date Prepa	rad: 11/7 <i>4</i>	/0 . 0		Evtrac	tion Method: EPA	. EAZA eaile	МоОЦ	
Blank	8110494-B		<u> </u>		Extrac	non Memou. EFA	4 3030 80HS	MEON	
Gasoline	11/25/98	<u> LIKI</u>		ND	ug/kg	10000			İ
Benzene	11/23/96			ND ND	" ug/kg	50.0			İ
Foluene	H,			ND	II.	50.0			"
Ethylbenzene	IF			ND	It	50.0			
(ylenes (total)	11*			ND	п	100			
Methyl tert-butyl ether	и			ND ND	11	250			
Surrogate: a,a,a-Trifluorotoluene	ii .	30000		35400		230	118		
Surrogate: 4-Bromofluorobenzene	н	30000		30400	л		101		
Blank	8110494-BI	.K2							
Gasoline	12/1/98			ND	ug/kg	10000			
Benzene	12,1,70			ND	ii ng/kg	50.0			
Toluene	*1			ND	u	50.0			
Ethylbenzene	**			ND	ŧi	50.0			
(ylenes (total)				ND	ŧi	100			
Methyl tert-butyl ether	**			ND	н	250			
Surrogate: a,a,a-Trifluorotoluene	<i>II</i>	30000	·	34400	11		115		
Surrogate: 4-Bromofluorobenzene	"	30000		32900	"		110		
LCS	8110494-B5	S1							
Gasoline	11/25/98	100000		110000	ug/kg		110		
Surrogate: 4-Bromofluorobenzene	"	30000		31400	"		105		
LCS	8110494-BS	52							
Gasoline	12/1/98	100000		121000	ug/kg	•	121		
Surrogate: 4-Bromofluorobenzene	"	30000		34900	"		116		
Matrix Spike	8110494-M	S1 P8	<u>311323-07</u>						
Gasoline	11/25/98	100000	143000	251000	ug/kg		108		
urrogate: 4-Bromofluorobenzene	"	30000		28800	"		96.0		
Matrix Spike Dup	8110494-M	<u>SD1 P8</u>	<u>311323-07</u>						
Gasoline	11/25/98	100000	143000	277000	ug/kg		134	21.5	5
urrogate: 4-Bromosluorobenzene	tt .	30000		29100	"	-	97.0		
Batch: 8110531	Date Prepa		<u> 98</u>		Extrac	tion Method: EPA	<u> 5030 soils</u>		
Blank	<u>8110531-BI</u>	<u>.K1</u>							
Gasoline	11/30/98			ND	ug/kg	400			
Benzene	n			ND	H	2.00			
Toluene	11			ND	II.	2.00			

Sequoia Analytical - Petaluma

*Refer to end of report for text of notes and definitions.



Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834 Petaluma, CA 94954 (650) 364-9600 (925) 988-9600 (916) 921-9600 (707) 792-1865 FAX (650) 364-9233 FAX (925) 988-9673 FAX (916) 921-0100 FAX (707) 792-0342

Touchstone Developments	Project:	Chevron/Rod Simmons	Sampled: 11/19/98	
PO Box 2554	Project Number:	2506-2	Received: 11/19/98	
Santa Rosa, CA 95405	Project Manager:	Mr. Jeff Monroe	Reported: 12/16/98	

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

	Date	Spike	Sample	QC		Reporting Limit	Recov.	RPD	RPD	
Analyte	Analyzed	Level	Result	Result	Units	Recov. Limits	%	Limit	%	Notes*
Blank (continued)	8110531-BI	.K1								
Ethylbenzene	11/30/98			ND	ug/kg	2.00				'
Xylenes (total)	H			ND	"	4.00				
Methyl tert-butyl ether	11			ND	**	10.0				
Surrogate: a,a,a-Trifluorotoluene	,,	300		271	H		90.3			
Surrogate: 4-Bromofluorobenzene	#	300		277	**		92.3			
Blank	8110531-BI	<u>_K2</u>								
Gasoline	12/1/98			ND	ug/kg	400				
Benzene	н			ND	18	2.00				
Toluene	"			ND	11	2.00				
Ethylbenzene	n			ND	11	2.00				
Xylenes (total)	И			ND	11	4.00				
Methyl tert-butyl ether	л 			ND	11	10.0				
Surrogate: a,a,a-Trifluorotoluene	п	300		251	n		83.7			
Surrogate: 4-Bromofluorobenzene	n	300		268	п		89.3			
LCS	8110531-BS	<u>51</u>								
Gasoline	11/30/98	2000		2160	ug/kg		108			
Surrogate: 4-Bromofluorobenzene	"	300		287	11		95.7			
LCS	8110531-BS	<u>32</u>								
Gasoline	12/1/98	2000		2140	ug/kg		107			İ
Surrogate: 4-Bromofluorobenzene	"	300		256	"		85.3			
Matrix Spike	8110531-M	<u>S1 P8</u>	<u>811276-03</u>							
Gasoline	11/30/98	2000	ND	1330	ug/kg		66.5			
Surrogate: 4-Bromofluorobenzene	If	300	,	175	"		58.3		•	1
Matrix Spike Dup	8110531-M	<u>SD1 P</u>	<u>811276-03</u>				•			
Gasoline	11/30/98	2000	ND	1380	ug/kg		69.0		3.69	
Surrogate: 4-Bromofluorobenzene	л	300		191	r		63.7			



Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834 Petaluma, CA 94954

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Touchstone DevelopmentsProject:Chevron/Rod SimmonsSampled:11/19/98PO Box 2554Project Number:2506-2Received:11/19/98Santa Rosa, CA 95405Project Manager:Mr. Jeff MonroeReported:12/16/98

Total Metals by EPA 6000/7000 Series Methods/Quality Control Sequoia Analytical - Petaluma

	Date	Spike	Sample	QC		Reporting Limit		RPD	RPD	
Analyte	Analyzed	Level	Result	Result	Units	Recov. Limits	<u>%</u>	Limit	%	Notes*
Batch: 8110358 Blank	Date Prepare 8110358-BLI		98	. •	Extrac	tion Method: EP	<u>A 3050B</u>			
Lead	11/19/98			ND	mg/kg	7.50				
LCS Lead	8110358-BS1 11/19/98	50.0		50.2	mg/kg	80.0-120	100			
Matrix Spike Lead	8110358-MS 11/20/98	<u>P8</u> 45.5	11267-05 ND	48.3	mg/kg	75.0-125	106			
Matrix Spike Dup Lead	8110358-MSI 11/20/98	<u>P8</u> 46.3	11267-05 ND	47.5	mg/kg	75.0-125	103	20.0	2.87	



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Touchstone Developments Project: Chevron/Rod Simmons Sampled: 11/19/98
PO Box 2554 Project Number: 2506-2 Received: 11/19/98
Santa Rosa, CA 95405 Project Manager: Mr. Jeff Monroe Reported: 12/16/98

Notes and Definitions

#	Note	
1	Low surrogate recovery confirmed as a matrix effect by a second analysis.	
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	



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Sequoia Analytical - Petaluma 1455 McDowell Blvd. North

Suite D

Petaluma, CA 94954

Attention: Debbie Leibensberger

Client Proj. ID: P811267

Lab Proj. ID: 9811E76

Sampled: 11/19/98 Received: 11/20/98 Analyzed: see below

Reported: 12/09/98

LABORATORY ANALYSIS

Analyte	Units	Date Analyzed	Detection Limit	Sample Results
Lab No: 9811E76-01 Sample Desc : SOLID,P811267-05				
Organic Lead	mg/Kg	12/01/98	5.0	N.D.
Lab No: 9811E76-02 Sample Desc : SOLID,P811267-06				
Organic Lead	mg/Kg	12/01/98	5.0	N.D.
Lab No: 9811E76-03 Sample Desc : SOLID,P811267-07				
Organic Lead	mg/Kg	12/01/98	5.0	N.D.

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

SEQUOIA ANALYTICAL - ELAP #1210

Anthony P. McMahon Project Manager



Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834 Petaluma, CA 94954 (650) 364-9600 (925) 988-9600 (916) 921-9600 (707) 792-1865 FAX (650) 364-9233 FAX (925) 988-9673 FAX (916) 921-0100 FAX (707) 792-0342

Sequoia Analytical - Petaluma 1455 McDowell Blvd. North

1455 McDowell Blvd. North Suite D

Petaluma, CA 94954

Attention: Debbie Leibensberger

Client Proj. ID: P811267

Lab Proj. ID: 9811E76

Sampled:

Received: 11/20/98 Analyzed: see below

Reported: 12/09/98

LABORATORY ANALYSIS

Analyte	Units	Date Analyzed	Detection Limit	Sample Results
Lab No: 9811E76-04 Sample Desc : SOLID,Method Blank				
Organic Lead	mg/Kg	12/01/98	5.0	N.D.

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

SEQUOIA ANALYTICAL - ELAP #1210

Anthony P. McMahon Project Manager

623



Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834° Petaluma, CA 94954

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

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

Sequoia Analytical - Petaluma

Client Project ID: P811267

1455 McDowell Blvd. North Suite D. Matrix:

Solid

Petaluma, CA 94954

Attention: Debbie Leibensberger

Work Order #:

9811E76

01-03

Reported:

Dec 10, 1998

QUALITY CONTROL DATA REPORT

Analyte:

Organic Lead

QC Batch#: ME1201987000MDA

Analy. Method:

LUFT

Prep. Method:

LUFT

Analyst:

C. Hanks

MS/MSD #:

9811E8111

Sample Conc.:

N.D.

Prepared Date:

Analyzed Date:

11/30/98

12/1/98

instrument I.D.#:

MV2

Conc. Spiked:

4.3 mg/Kg

Result:

4.6

MS % Recovery:

107

Dup. Result:

4.5

MSD % Recov.:

105

RPD:

2.2

RPD Limit:

0-30

LCS #:

BLK120198

Prepared Date:

11/30/98

Analyzed Date:

12/1/98

Instrument I.D.#:

MV2

Conc. Spiked:

4.3 mg/Kg

LCS Result:

4.6

LCS % Recov.:

107

MS/MSD

LCS

Control Limits

75-125

SEQUOIA ANALYTICAL

Anthony P. McMahon 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

9811E76.SSS <1>





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Sequoia Analytical - Petaluma 1455 McDowell Blvd. North

Client Proj. ID: P811267

Received: 11/20/98

Suite D Attention:

Debbie Leibensberger

Lab Proj. ID: 9811E76 Reported: 12/09/98

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. Thi report contains a total of _____ pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

SEQUOIA ANALYTICAL

Project Manager

Sequoia Analytical - Petaluma Subcontract Order P811267

Sending Laboratory

Receiving Laboratory

Sequoia Analytical - Petaluma 1455 N. McDowell Blvd. Suite D

Sequoia Analytical - Redwood City 680 Chesapeake Dr.

Petaluma, CA 94954

Redwood City, CA 94603

Phone: 707/792-1865 Fax: 707/792-0342

Phone: 650-364-9600

Project Manager: Debbie Leibensberger

Fax: 650-364-9233

Subcontract Order Comments

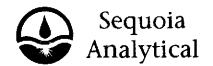
11/19/98 12:50

9811E76

	<u> </u>		Sai	mple/Analysi	s Information			
Sample Name	Matrix	Sampled/ Expires	Analysis Requested	Due	Lab Number	Container		Comments
P811267-05	Soll	11/19/98						
		12/3/98	Organic Lead	12/7/98	01		Sub to RWC	
P811267-06	Soil	11/19/98						
		12/3/98	Organic Lead	12/7/98	مد		Sub to RWC	
P811267-07	Soil	11/19/98			<u> </u>			
		12/3/98	Organic Lead	12/7/98	03		Sub to RWC	

Released By_	James inc	Date 11-20	_Received By	1		390
Released By_	20	_Date(/	_Received By_	27	_Date	Page 1 of 1

hevron U.S .O. BOX S on Ramon, C AX (415)84	5004 A 94583	Cone	Facility of the second	oject Nur	nber	Ane	lasa Ja	afor Tun	Dale Osci	77	A 14 394	- - -	Chevron Laborator Laborator Samples Collection Signature	y Name y Releas Collected	(Phone)	125 **	2011	12 -	1997 1997 198	36 mae
Sample Number	Lob Sample Number	Number of Containers	Metric S = Soil A = Air W = Water C = Charcool	Type G = Grab C = Composite D = Discrete	TH•	Somple Preservation	load (Yes or No.)	8TEX + TPH CAS (4)	TPH Dissei (8015)	Oil and Grease (5520)	Purgeoble Holocorbons (8010)	Purgeable Aromatics (8020)	Purperole Organics (82.40)	Extractable Organica of (8270)	Metals C4.07.Pb.Zn.Ni (ICAP or AA)	10×10 H	Organic			Remarks
8-7		7	S	D	8:48	P811267-0	1 4	X											\	contrac
10-9					8:45 9:10	-03													0	\$ 00
17-9		 	 		1:15	1 -04		$\vdash \vdash$					 		·				>	
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Inquisited By	(m				1	Date/Time	1 0-	oplyad E	V (81=-		<u> </u>	<u> </u>	Organizat	Hon	Det	e/Time		Tue	Arnund	Time (Circle Choice)
indrenies by	(Signoture)		1	anizotion		11-19-98	[]	Liv			un		1/9/58			2.5	0	1411		24 Hrs.
inquiened By	(Signature)		drg	onization		Date/Time		celved B	y (Sign	oture)			Organiza	tion	Date	e/Time	-			48 Hre. 6 Days
linguished By	(Slangture)		Ore	anization		Date/Time	Re	cleved F	or Labo	ratory l	y (Signa	ture)			Date	e/Time				10 Days Contracted



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November 23, 1998

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

RE: Chevron/Phil Briggs/P811253

Dear Mr. Jeff Monroe

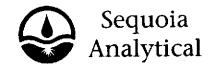
Enclosed are the results of analyses for sample(s) received by the laboratory on November 19, 1998. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Debbie Leibensberger

Project Manager

CA ELAP Certificate Number 2245

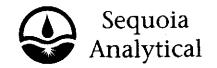


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Touchstone DevelopmentsProject:Chevron/Rod SimmonsSampled:11/19/98PO Box 2554Project Number:2506-2Received:11/19/98Santa Rosa, CA 95405Project Manager:Mr. Jeff MonroeReported:11/23/98

ANALYTICAL REPORT FOR P811253

	•		
Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
SP-3(a-d)	P811253-01	Soil	11/19/98

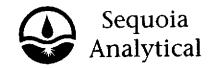


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Touchstone Developments	Project: Chevron/Rod Sir	mmons Sampled: 11/19/98	
PO Box 2554	Project Number: 2506-2	Received: 11/19/98	
Santa Rosa, CA 95405	Project Manager: Mr. Jeff Monroe	Reported: 11/23/98	

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*
<u>SP-3(a-d)</u>			P8112:	53-01			<u>Soil</u>	
Gasoline	8110366	11/20/98	11/20/98		2000	37800	ug/kg	
Benzene	**	11	11		10.0	ND	11	
Toluene	**	11	11		10.0	273	11	
Ethylbenzene	**	11	er e		10.0	505	11	
Xylenes (total)	ft	ņ	Ħ		20.0	3340	11	
Methyl tert-butyl ether	ш				50.0	ND	11	
Surrogate: a,a,a-Trifluorotoluene	11	"	"			94.3	%	
Surrogate: 4-Bromofluorobenzene	n	#	#	-		99.7	μ	

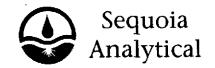


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Touchstone Developments	Project:	Chevron/Rod Simmons	Sampled: 11/19/98	
PO Box 2554	Project Number:	2506-2	Received: 11/19/98	
Santa Rosa, CA 95405	Project Manager:	Mr. Jeff Monroe	Reported: 11/23/98	

Total Metals by EPA 6000/7000 Series Methods Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Not	es*
<u>SP-3(a-d)</u> Lead	8110358	11/19/98	<u>P8112</u> :	53-01 EPA 6010A	7.50	9.81	<u>Soil</u> mg/kg		-

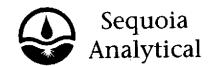


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Touchstone DevelopmentsProject:Chevron/Rod SimmonsSampled:11/19/98PO Box 2554Project Number:2506-2Received:11/19/98Santa Rosa, CA 95405Project Manager:Mr. Jeff MonroeReported:11/23/98

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

	Batch	Date	Date	Surrogate	Reporting			
Analyte	Number	Prepared	Analyzed	Limits	Limit	Result	Units	Notes*
SP-3(a-d)			P81125	E2_01			<u>Soil</u>	2
Bromodichloromethane	8110266	11/20/98	11/20/98	33-01	250	ND	ug/kg	=
Bromoform	"	"	11/20/20		250	ND	"	
Bromomethane		н	п		250	ND	11	
Carbon tetrachloride	н	н	h		250	ND	11	
Chlorobenzene	n	н	n		250	ND	11	
Chloroethane	ır	н	11		250	ND	11	
2-Chloroethylvinyl ether	Ir		11		2500	ND	51	
Chloroform	IF	н	11		250	ND	11	
Chloromethane	п	н	11		250	ND	11	
Dibromochloromethane	IP		11		250	ND	11	
1,2-Dibromoethane (EDB)	п	#	11		250	ND	11	
1,2-Dichlorobenzene	11	ta.	11		250	ND	IF	
1,3-Dichlorobenzene	It		H		250	ND	If	İ
1,4-Dichlorobenzene	u		II .		250	ND	It .	
Dichlorodifluoromethane	II .	н	п		250	ND	II .	
1,1-Dichloroethane	It	н	п		250	ND	n	
1,2-Dichloroethane	n	н	ц		250	ND	н	
1,1-Dichloroethene	III		п		250	ND		
cis-1,2-Dichloroethene	н	ŧr	H		250	ND	**	
trans-1,2-Dichloroethene	n	H	H		250	ND	**	
1,2-Dichloropropane	II.	tt .	te.		250	ND	17	İ
cis-1,3-Dichloropropene	I+	ŧr	tr		250	ND	n	
trans-1,3-Dichloropropene	IP.	и	tf		250	ND	**	
Freon 113	10	n	H		250	ND	**	İ
Methylene chloride	II.	11	h		250	ND	*1	
1,1,2,2-Tetrachloroethane	II.	**	**		250	ND	*1	
Tetrachloroethene	IP.	**	"		250	ND	н	
1,1,2-Trichloroethane	IP.	11			250	ND	н	
1,1,1-Trichloroethane	II.	17	H		250	ND	n	
Trichloroethene	D	\$7	•		250	ND	**	
Trichlorofluoromethane	10	**	н		250	ND	*1	
Vinyl chloride	H.	#	**		250	ND	и	<u> </u>
Surrogate: Bromochloromethane	rr	"	"	_		97.3	%	
Surrogate: 1,4-Dichlorobutane	**	"	"	-		120		

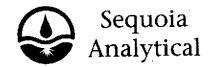


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Touchstone DevelopmentsProject:Chevron/Rod SimmonsSampled:11/19/98PO Box 2554Project Number:2506-2Received:11/19/98Santa Rosa, CA 95405Project Manager:Mr. Jeff MonroeReported:11/23/98

Notes and Definitions

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Chevron U.S.	.A. Inc.					30 Small	ale	r-][[][] -	llai		- .	.aborator		(Phone	بر بر بر	Sean	42	<u>-//,</u>	11:5	6	-
P.O. BOX 5			ultant Ma	oject Nun	uel.	STORL.	De	also	da	to			aborator aborator	-		ber						_
San Ramon, C. FAX (415)84.			ddreeg/2	//\ -	20	2554	and the	4,8	asc.		#		iamples			1		-4		lor	jou)	_
17AC (+10)Q+	2-3031	P	roject C	ontact (N	ame)	Teff	Me	me	چر			- I	collection	Date _		11	-4	<u> </u>	7—	78		- [
			<u> 70</u>	7 (1	hone)S	78 880	(Fox	Number	<u>142</u>	54	<u> 57,7</u>		Ignature		111	7/-					100.40.5	퓌
		_	2002	١.			•					- (Analyse	00 TO 8	o proprior	med _		1			1811253	2
Somple Number	Lob Sample Number	Number of Containers	Metrix S = Soil A = Air W = Water C = Choi	Type G = Grab C = Composite D = Clearete	Time	Somple Preservetton	load (Yes or No)	(8020 + 8015)	TPH Disset (8015)	Off and Graces (5520)	Purgeable Halocarbon (8010)	Purgeable Aromatica (8020)	Parpentie Organica (8240)	Extractobia Organica (8270)	Metals CACr.Pb.Zn.Ni (ICAP or Ak)	Toke 18	Organic				Remarks	
48-7		7		7)	8:40		Vp5					 	 			 		1-			f.,	\int
196		1		1	8:45		1	1													contract	
W/129		\sqcap	- -		9:10										l					2	<u> </u>	
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Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834 Petaluma, CA 94954 (650) 364-9600 (925) 988-9600 (916) 921-9600 (707) 792-1865 FAX (650) 364-9233 FAX (925) 988-9673 FAX (916) 921-0100 FAX (707) 792-0342

December 30, 1998

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

RE: Chevron/Rod Simmons/P812250

Dear Mr. Jeff Monroe

Enclosed are the results of analyses for sample(s) received by the laboratory on December 18, 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

Oldin L. S



Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834 Petaluma, CA 94954 (650) 364-9600 (925) 988-9600 (916) 921-9600 (707) 792-1865 FAX (650) 364-9233 FAX (925) 988-9673 FAX (916) 921-0100 FAX (707) 792-0342

Touchstone Developments PO Box 2554 Project: Chevron/Rod Simmons
Project Number: 9-2506

Sampled: 11/19/98 Received: 12/18/98

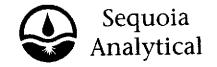
Santa Rosa, CA 95405

Project Manager: Mr. Jeff Monroe

Reported: 12/30/98

ANALYTICAL REPORT FOR P812250

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
UOSP-2(A-B) COMP	P812250-01	Soil	11/19/98



Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834 Petaluma, CA 94954

(650) 364-9600 (925) 988-9600 (916) 921-9600 (707) 792-1865 FAX (650) 364-9233 FAX (925) 988-9673 FAX (916) 921-0100 FAX (707) 792-0342

Touchstone Developments PO Box 2554

Santa Rosa, CA 95405

Project: Chevron/Rod Simmons Project Number:

9-2506

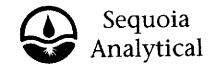
Project Manager: Mr. Jeff Monroe

Sampled: 11/19/98 Received: 12/18/98

Reported: 12/30/98

STLC CAM Metals by EPA 6000/7000 Series Methods Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
UOSP-2(A-B) COMP Lead	8120453	12/23/98	<u>P8122</u> ; 12/23/98	50-01 EPA 6010A	300	161000	<u>Soil</u> ug/l	



Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834 Petaluma, CA 94954

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

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

Touchstone Developments PO Box 2554

Project: Chevron/Rod Simmons Project Number: 9-2506

Sampled: Reported:

11/19/98 Received: 12/18/98

12/30/98

Santa Rosa, CA 95405

Project Manager: Mr. Jeff Monroe

STLC CAM Metals by EPA 6000/7000 Series Methods/Quality Control Sequoia Analytical - Petaluma

	Date	Spike	Sample	QC		Reporting Limit	Recov.	RPD	RPD	
Analyte	Analyzed	Level	Result	Result	Units	Recov. Limits	%	Limit	<u>%</u> _1	Notes*
Batch: 8120453 Blank	<u>Date Prepa</u> 8120453-BI		<u>/98</u>		Extrac	tion Method: EP	<u> 3010A</u>			
Lead	12/23/98	<u> AKI</u>		ND	ug/l	75.0				
<u>LCS</u> Lead	8120453-BS 12/23/98	<u>2500</u>		2330	ug/l	80.0-120	93.2			
Matrix Spike Lead	<u>8120453-M</u> 12/28/98	<u>\$1</u>	812250-01 161000	178000	ug/l		680			1
<u>Matrix Spike Dup</u> Lead	<u>8120453-M</u> 12/28/98	<u>SD1</u> <u>P</u> 2500	812250-01 161000	177000	ug/l		640		6.06	1

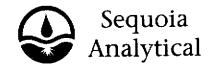


Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834 Petaluma, CA 94954 (650) 364-9600 (925) 988-9600 (916) 921-9600 (707) 792-1865 FAX (650) 364-9233 FAX (925) 988-9673 FAX (916) 921-0100 FAX (707) 792-0342

Touchstone DevelopmentsProject:Chevron/Rod SimmonsSampled:11/19/98PO Box 2554Project Number:9-2506Received:12/18/98Santa Rosa, CA 95405Project Manager:Mr. Jeff MonroeReported:12/30/98

Notes and Definitions

The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits. 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	#	Note	
ND Analyte NOT DETECTED at or above the reporting limit NR Not Reported dry Sample results reported on a dry weight basis	1		
NR Not Reported dry Sample results reported on a dry weight basis	DET	Analyte DETECTED	
dry Sample results reported on a dry weight basis	ND	Analyte NOT DETECTED at or above the reporting limit	
	NR	Not Reported	
Recov. Recovery	dry	Sample results reported on a dry weight basis	
	Recov.	Recovery	
RPD Relative Percent Difference	RPD	Relative Percent Difference	



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

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

January 7, 1999

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

RE: Chevron/General/P812435

Dear Mr. Jeff Monroe

Enclosed are the results of analyses for sample(s) received by the laboratory on December 31, 1998. If you have any questions concerning this report, please feel free to contact me.

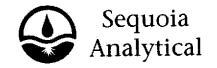
Sincerely,

Debbie Leibensberger

Project Manager

CA ELAP Certificate Number 2245

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Redwood City, CA 94063 Wainut Creek, CA 94598 Sacramento, CA 95834 Petaluma, CA 94954 (650) 364-9600 (925) 988-9600 (916) 921-9600 (707) 792-1865 FAX (650) 364-9233 FAX (925) 988-9673 FAX (916) 921-0100 FAX (707) 792-0342

Touchstone Developments PO Box 2554 Santa Rosa, CA 95405 Project: Chevron/General

Project Number: 9-2506

Project Manager: Mr. Jeff Monroe

Sampled: 11/19/98

Received: 12/31/98 Reported: 1/7/99

ANALYTICAL REPORT FOR P812435

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
UOSP-2(A-B) COMP	P812435-01	Soil	11/19/98



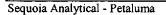


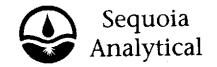
Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834 Petaluma, CA 94954 (650) 364-9600 (925) 988-9600 (916) 921-9600 (707) 792-1865 FAX (650) 364-9233 FAX (925) 988-9673 FAX (916) 921-0100 FAX (707) 792-0342

Touchstone Developments	Project:	Chevron/General	Sampled:	11/19/98	
PO Box 2554	Project Number:	9-2506	Received:	12/31/98	
Santa Rosa, CA 95405	Project Manager:	Mr. Jeff Monroe	Reported:	1/8/99	

DI STLC CAM Metals by EPA 6000/7000 Series Methods Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
UOSP-2(A-B) COMP Lead	9010021	1/6/99	<u>P81243</u> 1/7/99	3 5-01 EPA 6010A	375	ND	Soil ug/l	





Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834 Petaluma, CA 94954 (650) 364-9600 (925) 988-9600 (916) 921-9600 (707) 792-1865 FAX (650) 364-9233 FAX (925) 988-9673 FAX (916) 921-0100 FAX (707) 792-0342

Touchstone Developments Project: Chevron/General Sampled: 11/19/98
PO Box 2554 Project Number: 9-2506 Received: 12/31/98
Santa Rosa, CA 95405 Project Manager: Mr. Jeff Monroe Reported: 1/8/99

DI STLC CAM Metals by EPA 6000/7000 Series Methods/Quality Control Sequoia Analytical - Petaluma

Analyte	Date Spike Analyzed Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov.	RPD Limit	RPD % N	lotes*
Batch: 9010021	<u>Date Prepared: 1/6/99</u> 9010021-BLK1			Extrac	tion Method: EPA	A 3050B			
<u>Blank</u> Lead	1/7/99		ND	ug/l	375				
LCS Lead	9010021-BS1 1/7/99 2500		2500	ug/l	80.0-120	100			
<u>Matrix Spike</u> Lead	9010021-MS1 1/7/99 2500	81 2435-01 ND	265 0	ug/l	75.0-125	106			
Matrix Spike Dup Lead	9010021-MSD1 PE 1/7/99 2500	812435-01 ND	26 40	ug/l	75.0-125	106	20.0	0	



Relative Percent Difference

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

Touchstone Developments PO Box 2554

Santa Rosa, CA 95405

RPD

Project: Chevron/General

Project Number: 9-2506

Project Manager: Mr. Jeff Monroe

Sampled: 11/19/98

Received: 12/31/98 Reported: 1/7/99

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

Fax copy of l	Lab I	Repor	rt and			vron	Co	ntac	et: E			 					ody-Record
Chevron U.S.A. Inc. P.O. BOX 5004 San Raimon, CA 94583 FAX (415)842-9591	OX 5004 Consultant Project Number Consultant Name Delevation (A 94583) Consultant Name Delevation (A 94583) Consultant Name Delevation (A 94583) Consultant Name Delevation (A 94583)																
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