



A handwritten signature in black ink, appearing to be 'J.S.', is located in the upper right corner of the page.

April 8, 1996

Goodyear Tire & Rubber Company
7301 Ambassador Row
Post Office Box 660245
Dallas, Texas 75266-0245

Attention: Mr. Joe Smerglia

Re: GROUNDWATER MONITORING AND SAMPLING REPORT
Goodyear Service Center No. 9578
3430 Castro Valley Boulevard
Castro Valley, California

Mr. Smerglia:

This letter report summarizes the recent groundwater monitoring and sampling of monitoring wells at the above referenced address. Monitoring and sampling was performed on February 9, 1995, by DEL-TECH Services of Oakdale, California.

Monitoring wells MW-1, MW-2, and MW-3 are all two-inch diameter with total depths of 18.88, 18.27, and 16.28 feet below ground surface (bgs), respectively. Depth to groundwater was measured in wells at 3.93, 3.62, and 4.16 feet, respectively. The actual purge volumes were 10, 10, and 6.0 gallons for Wells MW-1, MW-2, and MW-3. During the purging process, pH, conductivity, and temperature measurements were recorded several times on the field logs. When these field measurements stabilized, groundwater samples were collected using a stainless steel bailer. Field measurements and pertinent sampling data are summarized in Table A and included on the field logs presented in Appendix A.

Formation groundwater from wells were decanted from the submersible pump into six (6), laboratory-supplied, 40-milliliter VOA bottles, one, one-liter amber glass and one, one-liter plastic bottles. The sample bottles were labeled, entered onto a chain-of-custody form, placed in a cooler with blue ice and delivered to Sequoia Analytical located in Redwood City, California.

As requested by Ms. Amy Leach of Alameda County Health Services Agency, analyses of the groundwater samples included: Total Petroleum Hydrocarbons calculated as Gasoline according to EPA Method 8015 (Modified), Benzene, Toluene, Ethylbenzene, and Xylenes according EPA Method 8020, Total Petroleum Hydrocarbons calculated as Diesel according to EPA Method 8015 (Modified), Volatile Organic Compounds (VOCs) according to EPA Method 8010, and Semivolatile Organics according to EPA SW-846 Method 8270. The DEL TECH Sampling Groundwater Field Monitoring Summary Report is presented in Appendix A. The chemical analytical results are summarized on Table B and the Sequoia Analytical laboratory report and Chain-of-Custody form are presented in Appendix B. A historical groundwater analytical summary for the three wells at the site is included in Table C.

Goodyear Tire & Rubber Company

April 8, 1996

Page 2

A contour map showing the flow direction for groundwater beneath the site is shown on Figure 1. Based on historical water level measurements, the groundwater flow direction at the site is to the south southwest.

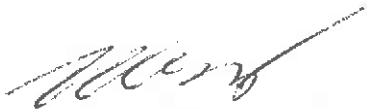
The separate-phase removing XSORB™ sock which was placed in Well MW-3 was monitored and removed twice in December, 1995. Separate-phase product was not observed in the well in December, 1995. The XSORB™ sock was removed on the second monitoring during December, 1995.

If you have any questions or comments, please call me at (707) 935-0601.

Sincerely,



Timothy J. Walker
Project Manager



Marc W. Seeley C.E.G. #1014
Technical Review

attachments

cc: Ms. Amy Leach, Alameda County Health Services Agency

TABLES

- Table A:** Field Monitoring Data
- Table B:** 1996 1st Quarterly Groundwater Analytical Summary
- Table C:** Historical Groundwater Analytical Summary

TABLE B

1996 1st Quarterly Groundwater Analytical Summary Goodyear Service Center

3430 Castro Valley Boulevard - Castro Valley, California

(Results are in ug/L - parts per billion (ppb), unless otherwise noted.)

Well ID	DATE	TPH - Gasoline	Benzene	Toluene	Ethyl-benzene	Xylenes	TPH - Diesel	8010	8270
MW-1	9-Feb-96	ND	ND	ND	ND	ND	ND	CAR *	ND
MW-2	9-Feb-96	ND	ND	ND	ND	ND	ND	CAR *	ND
MW-3	9-Feb-96	52	9.6	1.4	1.2	2.0	700	CAR *	ND

TPH-Gasoline = Total Petroleum Hydrocarbons calculated as gasoline

TPH-Diesel = Total Petroleum Hydrocarbons calculated as Diesel

TOG = Total Oil & Grease

ND = Not detected at or above the laboratory detection limits.

ppm = parts per million (mg/L)

CAR * = Chloroform reported in MW-1 and MW-2 at 2.3 and 1.6 ppb, respectively.

TABLE A
FIELD MONITORING DATA
 Goodyear Service Center No. 9578
 3430 Castro Valley Boulevard
 Castro Valley, California

WELL ID	Date	Casing Dia. (in.)	Casing Elev. (ref. to MSL)	DTW (feet)	Water Elev. (ref. to MSL)	Total Depth (feet)	Purged Well Volumes	pH	Conductivity (uMHOS/cm)	Temp. (deg. C)	Color (Visual)
MW-1	9-Feb-96	2	177.17	3.93	173.24	18.88	10	6.6	470	20.4	clear
MW-2	9-Feb-96	2	176.55	3.62	172.93	18.27	10	6.6	484	20.1	clear
MW-3	9-Feb-96	2	176.97	4.16	172.81	16.28	6	6.6	700	21.4	clear

pH measured in standard pH units.
 DTW = Depth to Water
 deg. C = Degrees measured in Celsius

TABLE C HISTORICAL GROUNDWATER ANALYTICAL SUMMARY

Goodyear Service Center
3430 Castro Valley Boulevard - Castro Valley, California

Results in ug/L - parts per billion (ppb)

Well ID	DTW	DATE	Year	Quarter	TPH - Gasoline	Benzene	Toluene	Ethyl-benzene	Xylenes	TPH - Diesel	TOG	8010	8270	Cadmium (ppm)	Chromium (ppm)	Lead (ppm)	Nickel (ppm)	Zinc (ppm)
MW-1	4.43	24-Apr-95	95	2nd	ND	ND	ND	ND	ND	ND	ND	CAR	ND	ND	0.052	0.0056	0.060	0.13
MW-1	5.91	2-Aug-95	95	3rd	ND	ND	ND	ND	ND	ND	ND	CAR	ND	ND	0.16	ND	0.160	0.22
MW-1	6.40	23-Oct-95	95	4th	ND	ND	ND	ND	ND	ND	NA	CAR	ND	NA	NA	NA	NA	NA
MW-1	3.93	9-Feb-96	96	1st	ND	ND	ND	ND	ND	ND	NA	CAR	ND	NA	NA	NA	NA	NA
MW-2	4.38	24-Apr-95	95	2nd	ND	ND	ND	ND	ND	ND	ND	CAR	ND	ND	0.054	0.0075	0.067	0.12
MW-2	5.04	2-Aug-95	95	3rd	ND	ND	ND	ND	ND	ND	ND	CAR	ND	ND	0.062	ND	0.082	0.11
MW-2	6.02	23-Oct-95	95	4th	ND	ND	ND	ND	ND	NA	NA	CAR	ND	NA	NA	NA	NA	NA
MW-2	3.62	9-Feb-96	96	1st	ND	ND	ND	ND	ND	NA	NA	CAR	ND	NA	NA	NA	NA	NA
MW-3	4.91	24-Apr-95	95	2nd	53	12	0.84	0.69	2.4	960	ND	CAR	ND	ND	0.029	0.0071	0.075	0.084
MW-3	FP	2-Aug-95	95	3rd	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP
MW-3	FP	23-Oct-95	95	4th	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP
MW-3	4.16	9-Feb-96	96	1st	52	9.6	1.4	1.2	2.0	700	NA	CAR	ND	NA	NA	NA	NA	NA

8010	MW-1	MW-2	MW-3	MCLs
Chloroform	2.4	3.2	ND	
1,1-DCA	ND	ND	10	5.0
1,1,1-DCE			3.5	6.0
PCE			0.77	5.0
1,1,1-TCA			1.1	200
TCE			0.73	5.0
vinyl chloride			8.5	0.5

NA = Analysis not requested by Alameda County

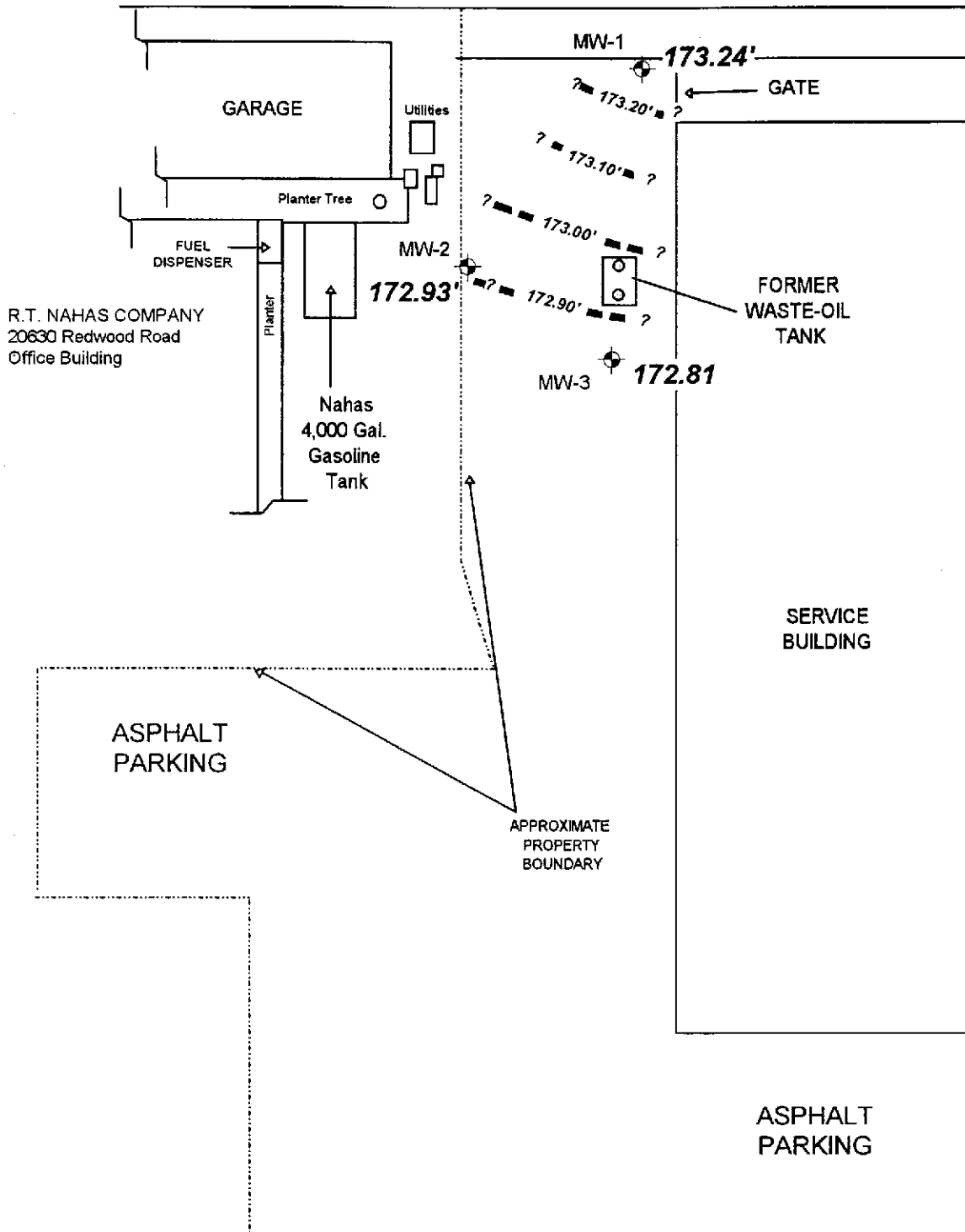
ND = Not Detected at or above the laboratory detection limits.

CAR = See analytical laboratory reports for results.

FP = No analytical data available due to the presence of separate-phase floating product.

FIGURES

Figure 1: Groundwater Contour Map



EXPLANATION

- SEMCO Hand Auger Boring Locations
- ⊕ Groundwater Monitoring Well
- 170.77 Groundwater elevation referenced to Mean Sea Level.
- - - Groundwater elevation Contour (referenced to Mean Sea Level)

CASTRO VALLEY BOULEVARD

approximate scale is 1" : 30'



**Touchstone
Developments**
Environmental Management

Groundwater Contour Map

Goodyear Tire & Service Center
3430 Castro Valley Boulevard
Castro Valley, California

FIGURE

1

PROJECT NO.
94-14

DATE:
5/95

DRAWN BY:
WTJ

BASE MAP
GOODYEAR BLUEPRINT 10/73

APPENDIX A

**Del Tech Services
Groundwater Field Monitoring
Summary Report**



DEL-TECH Geotechnical Support Services

**GROUNDWATER
FIELD MONITORING
SUMMARY REPORT**

SITE

GOODYEAR TIRE RUBBER
3430 CASTRO VALLEY BLVD.
CASTRO VALLEY, CA.
02/09/96



MONITORING WELL FIELD LOG

PROJECT NAME: GOODYEAR TIRE & RUBBER CO. 3430 CASTRO VALLEY BLVD. CASTRO VALLEY, CA		SAMPLE ANALYSIS PERFORMED : TPH-Gas/DIESEL. B.T.X.E., OIL & GREASE, 601, 8270, TTLC METALS SAMPLE TIME: 17:05 SAMPLE CONTAINER(S): 7 CONTAINERS ANALYSIS PERFORMED BY: SEQUOIA LABS.	
CLIENT: TOUCHSTONE		DATE: 02/09/1996	
PROJECT MANAGER: TIM WALKER		SAMPLE LOCATION: MW-1	
SAMPLER: DON LIGHT		START TIME:	
GROUNDWATER: XXX	VADOSE:	OTHER: P.I.D. READING 0.0 PPM	
CASING ELEVATION: (FEET MSL)		CASING DIAMETER: 2 INCH	
DEPTH TO WATER: 3.93 FEET		CALCULATED PURGE VOLUME: 2.43 GAL.	
DEPTH OF WELL: 18.88 FEET		TOTAL VOLUME PURGED: 10.0 GAL.	

TIME	VOLUME gallons	pH units	E.C. umhos/cm	TEMP. Degrees C	COLOR (Visual)	OTHER
	0	6.6	475	18.6	LT. TURBID (BROWN)	NO ODOR
	2.5	6.6	474	20.0	CLEAR	"
	5.0	6.6	471	20.3	"	"
	7.5	6.6	469	20.3	"	"
	10.0	6.6	470	20.4	"	"

PURGE METHOD : CENTRIFUGAL PUMP.
SAMPLE METHOD: 3' STAINLESS STEEL BAILER.
DEPTH TO WATER AFTER PURGE: DEPTH TO WATER AT SAMPLE TIME:
WELL INTEGRITY: CAP AND SEAL ARE SECURE, LOCK IS INSTALLED.
REMARKS: GOOD RECHARGE.
WEATHER: OVERCAST SKIES .
QUALITY CONTROL: ALL PURGING EQUIPMENT AND SAMPLING EQUIPMENT WAS CLEANED
 IN THE FIELD WITH STEAM CLEANER & ALCONOX.
 NEW NITRILE GLOVES WERE WORN AT ALL TIMES.
WELL LOCATION: NORTHERN.
CONTAINMENT: D.O.T. 17 DRUMS
INSTRUMENTATION: ORION pH/TEMPERATURE METER 2 POINT pH CALIBRATION (4.0 & 7.0)
 ORION CONDUCTIVITY METER
 ENVIRONMENTAL INSTRUMENTS SLOPE METER
 KECK PRODUCT INTERFACE METER
 THERMODYNE 580B PHOTO IONIZATION DETECTOR



MONITORING WELL FIELD LOG

PROJECT NAME: GOODYEAR TIRE & RUBBER CO. 3430 CASTRO VALLEY BLVD. CASTRO VALLEY, CA		SAMPLE ANALYSIS PERFORMED : TPH-Gas/DIESEL, B.T.X.E., OIL & GREASE, 601, 8270, TTLC METALS SAMPLE TIME: 16:40 SAMPLE CONTAINER(S): 7 CONTAINERS ANALYSIS PERFORMED BY: SEQUOIA LABS.	
CLIENT: TOUCHSTONE		DATE: 02/09/1996	
PROJECT MANAGER: TIM WALKER		SAMPLE LOCATION: MW-2	
SAMPLER: DON LIGHT		START TIME:	
GROUNDWATER: XXX	VADOSE:	OTHER: P.I.D. READING 0.0 PPM	
CASING ELEVATION: (FEET MSL)		CASING DIAMETER: 2 INCH	
DEPTH TO WATER: 3.62 FEET		CALCULATED PURGE VOLUME: 2.39 GAL.	
DEPTH OF WELL: 18.27 FEET		ACTUAL VOLUME PER PURGE: 10.0 GAL.	

TIME	VOLUME gallons	pH units	E.C. umhos/cm	TEMP. Degrees C	COLOR (Visual)	OTHER
	0	6.7	483	20.1	LT. TURBID (BROWN)	NO ODOR
	2.5	6.6	483	20.0	CLEAR	"
	5.0	6.6	483	20.0	"	"
	7.5	6.6	483	20.0	"	"
	10.0	6.6	484	20.1	"	"

PURGE METHOD : CENTRIFUGAL PUMP.
SAMPLE METHOD: 3' STAINLESS STEEL BAILER.
DEPTH TO WATER AFTER PURGE: DEPTH TO WATER AT SAMPLE TIME:
WELL INTEGRITY: CAP AND SEAL ARE SECURE, LOCK IS INSTALLED.
REMARKS: GOOD RECHARGE.
WEATHER: OVERCAST SKIES .
QUALITY CONTROL: ALL PURGING EQUIPMENT AND SAMPLING EQUIPMENT WAS CLEANED
 IN THE FIELD WITH STEAM CLEANER & ALCONOX.
 NEW NITRILE GLOVES WERE WORN AT ALL TIMES.
WELL LOCATION: WESTERN.
CONTAINMENT: D.O.T. 17 DRUMS
INSTRUMENTATION: ORION pH/TEMPERATURE METER 2 POINT pH CALIBRATION (4.0 & 7.0)
 ORION CONDUCTIVITY METER
 ENVIRONMENTAL INSTRUMENTS SLOPE METER
 KECK PRODUCT INTERFACE METER
 THERMODYNE 580B PHOTO IONIZATION DETECTOR



MONITORING WELL FIELD LOG

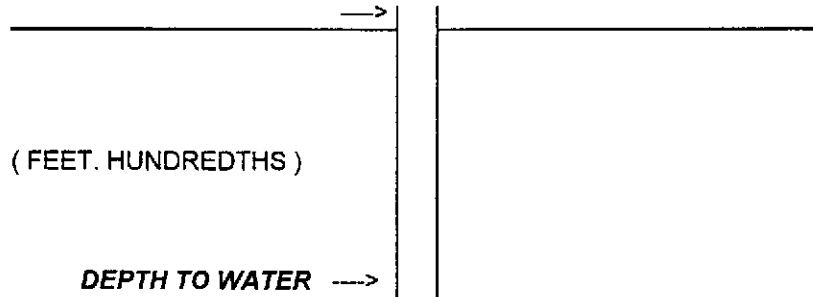
PROJECT NAME: GOODYEAR TIRE & RUBBER CO. 3430 CASTRO VALLEY BLVD. CASTRO VALLEY, CA		SAMPLE ANALYSIS PERFORMED : TPH-Gas/DIESEL, B.T.X.E., OIL & GREASE, 601, 8270, TTLC METALS SAMPLE TIME: 16:14 SAMPLE CONTAINER(S): 7 CONTAINERS ANALYSIS PERFORMED BY: SEQUOIA LABS.	
CLIENT: TOUCHSTONE		DATE: 02/09/1996	
PROJECT MANAGER: TIM WALKER		SAMPLE LOCATION: MW-3	
SAMPLER: DON LIGHT		START TIME:	
GROUNDWATER: XXX	VADOSE:	OTHER: P.I.D. READING 0.0 PPM	
CASING ELEVATION: (FEET MSL)		CASING DIAMETER: 2 INCH	
DEPTH TO WATER: 4.16 FEET		CALCULATED PURGE VOLUME: 1.97 GAL.	
DEPTH OF WELL: 16.28 FEET		ACTUAL VOLUME PER PURGE: 6.0 GAL.	

TIME	VOLUME gallons	pH units	E.C. umhos/cm	TEMP. Degrees C	COLOR (Visual)	OTHER
	0	6.6	665	20.8	TURBID	OIL ODOR
	2.0	6.6	694	21.2	"	"
	4.0	6.6	696	21.3	CLEAR	"
	6.0	6.6	700	21.4	"	"

PURGE METHOD : CENTRIFUGAL PUMP.
SAMPLE METHOD: 3' STAINLESS STEEL BAILER.
DEPTH TO WATER AFTER PURGE: DEPTH TO WATER AT SAMPLE TIME:
WELL INTEGRITY: CAP AND SEAL ARE SECURE, LOCK IS INSTALLED.
REMARKS: GOOD RECHARGE. THE HYDRAULIC LIFT APPROXIMATELY 20 FEET TO THE EAST OF MW-3 HAS BEEN REMOVED AND IT APPEARS THAT A LARGE AMOUNT OF HYDRAULIC/OIL FLUID HAS BEEN RELEASED.
WEATHER: OVERCAST SKIES.
QUALITY CONTROL: ALL PURGING EQUIPMENT AND SAMPLING EQUIPMENT WAS CLEANED IN THE FIELD WITH STEAM CLEANER & ALCONOX. NEW NITRILE GLOVES WERE WORN AT ALL TIMES.
WELL LOCATION: SOUTHERN.
CONTAINMENT: D.O.T. 17 DRUMS
INSTRUMENTATION: ORION pH/TEMPERATURE METER 2 POINT pH CALIBRATION (4.0 & 7.0)
 ORION CONDUCTIVITY METER
 ENVIRONMENTAL INSTRUMENTS SLOPE METER
 KECK PRODUCT INTERFACE METER
 THERMODYNE 580B PHOTO IONIZATION DETECTOR



MONITORING WELL SUMMARY LOG



SITE: GOODYEAR TIRE / CASTRO VALLEY

WELL ELEV. (MSL)					
DATE	MW-1	MW-2	MW-3	MW-4	MW-5
04/24/95	4.43'	4.38'	4.91'		
08/02/95	5.91'	5.04'	FLOATING PRODUCT		
10/23/95	6.40'	6.02'	"		
02/09/96	3.93'	3.62'	4.16'		
DEPTH OF WELL	18.88'	18.27'	16.28'		

INSTRUMENTATION: ORION pH/TEMPERATURE METER 2 POINT pH CALIBRATION (4.0 & 7.0)
 ORION CONDUCTIVITY METER
 ENVIRONMENTAL INSTRUMENTS SLOPE METER
 KECK PRODUCT INTERFACE METER
 THERMODYNE 580B PHOTO IONIZATION DETECTOR

1. ALL MEASUREMENTS ARE MADE FROM THE NORTH SIDE AND TOP EDGE OF THE WELL CASING, NOTCH IN THE TOP OF CASING OR BLACK MARKING, WHICH EVER ONE IS APPROPRIATE.



MONITORING WELL FIELD LOG

PROJECT NAME: <u>GOODMYER / CASIDA VALLEY</u>	SAMPLE ANALYSIS PERFORMED: <u>TPH-K+D BTXE, KD10, 8275</u>
ADDRESS: _____	SAMPLE TIME: <u>1705</u>
CITY, STATE: <u>CASIDA VALLEY</u>	SAMPLE CONTAINER(S): <u>4 VOLS, 2 LITRES / ALL</u>
SITE CONTACT: _____	ANALYSIS PERFORMED BY: <u>SEODIA</u> LABS.
CLIENT / CONSULTANT: <u>TOWNSTONE</u>	DATE: <u>2/9</u> 199 <u>6</u>
PROJECT MANAGER: <u>TIM</u>	START TIME: (HR./MIN.) _____
SAMPLER(S): <u>BDN</u>	SAMPLE POINT I.D. / LOCATION: <u>MAW-1</u>
GROUNDWATER: <input checked="" type="checkbox"/> VADOSE: SURFACE: OTHER:	PHOTO IONIZATION READING AT WELL HEAD: <u>0.0</u> PPM
CASING ELEVATION: (FEET MSL) ----	CASING DIAMETER: 2 INCH OR 4 INCH () 6 INCH ()
DEPTH TO PRODUCT: (FEET) ----	OTHER: _____
DEPTH TO WATER: (FEET) ---- <u>3.93</u>	CALCULATED CASING VOLUME: <u>2.4</u> GALLONS
DEPTH OF WELL: (FEET) ---- <u>18.98</u>	TOTAL VOLUME PURGED: <u>10.0</u> GALLONS

TIME (HR./MIN.)	VOLUME (GALLONS)	pH (units)	E.C. Umhos/cm / MSmhos/cm	TEMP. (Degrees C)	COLOR (Visual) (Turbidity / NTU's)	OTHER (Odor)
	0	6.6	475	18.6	LT. TURBID	(BROWN)
	2.5	6.6	474	20.0	CLEAR	NO SCOR
	5.0	6.6	471	20.3	"	"
	7.5	6.6	469	20.3	"	"
	10.0	6.6	470	20.4	"	"

**** PURGE METHOD **** (CHECK OR CIRCLE ONE)

ISCO 2" BLADDER AIR PUMP	2' GRUNDFOS PUMP (.1632)	4' GRUNDFOS PUMP (.6528 / 1.469)	3' OR 1' STAINLESS STEEL BAILER	MANUAL / ELECTRONIC BAILER SPOOL	ISCO PERISTALTIC PUMP	DISPOSABLE BAILER
SUBMERSIBLE PUMP	GEO-GUARD PUMP	WELL WIZARD	PNEUMATIC DISPLACEMENT PUMP	<input checked="" type="radio"/> CENTRIFUGAL PUMP	FULTZ PUMP	DEDICATED

**** SAMPLE METHOD **** (CHECK OR CIRCLE ONE)

ISCO 2' BLADDER AIR PUMP	2' GRUNDFOS PUMP	4' GRUNDFOS PUMP	<input checked="" type="radio"/> STAINLESS STEEL BAILER	1' STAINLESS STEEL BAILER	ISCO PERISTALTIC	DISPOSABLE BAILER
DIPPER	SURFACE SAMPLER	WELL WIZARD	DEDICATED PUMP	TEFLON BAILER		OTHER

**** WELL INTEGRITY / LOCATION / WEATHER ****

CAP & SEAL SECURE YES <input checked="" type="checkbox"/> NO ()	LOCK INSTALLED YES <input checked="" type="checkbox"/> NO () TYPE <u>DELTA</u>	MONUMENT TYPE/STYLE: <u>FIRMSH</u>	WELL CASING MATERIAL: <u>PVC</u>	RECHARGE: GOOD <input checked="" type="checkbox"/> FAIR () POOR ()	LOCATION: <u>NORTHECN</u>	WEATHER: <u>OVERCAST</u> AIR TEMP: <u>65C</u>
---	---	---------------------------------------	-------------------------------------	---	------------------------------	---

REMARKS:



MONITORING WELL FIELD LOG

PROJECT NAME: <u>LOSDMERR</u>	SAMPLE ANALYSIS PERFORMED: <u>TPH-G-D</u> <u>BTXE, 2010, 3270</u>
ADDRESS: _____	SAMPLE TIME: _____
CITY, STATE: <u>CASTRO VALLEY, CA.</u>	SAMPLE CONTAINER(S): <u>400KZ, 2 LITRE / #2L</u>
SITE CONTACT: _____	ANALYSIS PERFORMED BY: <u>SEQUOIA</u> LABS.
CLIENT / CONSULTANT: <u>TOWNSTONE</u>	DATE: <u>2/9</u> 199 <u>0</u>
PROJECT MANAGER: <u>JIM</u>	START TIME: (HR./MIN.) _____
SAMPLER(S): <u>BON</u>	SAMPLE POINT I.D. / LOCATION: <u>PW-2</u>
GROUNDWATER: V VADOSE: SURFACE: OTHER: _____	PHOTO IONIZATION READING AT WELL HEAD: <u>0.0</u> PPM
CASING ELEVATION: (FEET MSL)-----	CASING DIAMETER: 2 INCH (3) 4 INCH () 6 INCH ()
DEPTH TO PRODUCT: (FEET) -----	OTHER: _____
DEPTH TO WATER: (FEET) ----- <u>3.62</u>	CALCULATED CASING VOLUME: <u>2.39</u> GALLONS
DEPTH OF WELL: (FEET) ----- <u>18.27</u>	TOTAL VOLUME PURGED: <u>10.0</u> GALLONS

TIME (HR./MIN.)	VOLUME (GALLONS)	pH (units)	E.C. Umhos/cm MSmhos/cm	TEMP. (Degrees C)	COLOR (Visual) (Turbidity / NTU's)	OTHER (Odor)
	0	6.7	433	20.1	15.7 TURBID	BROWN
	2.5	6.6	483	20.0	CLEAR	NO SPOR
	5.0	6.6	483	20.0	"	"
	7.5	6.6	483	20.0	"	"
	10.0	6.6	484	20.1	"	"

**** PURGE METHOD **** (CHECK OR CIRCLE ONE)

ISCO 2' BLADDER AIR PUMP	2" GRUNDFOS PUMP (.1632)	4" GRUNDFOS PUMP (.5528 / 1.469)	3" OR 1" STAINLESS STEEL BAILER	MANUAL / ELECTRONIC BAILER SPOOL	ISCO PERISTALTIC PUMP	DISPOSABLE BAILER
SUBMERSIBLE PUMP	GEO - GUARD PUMP	WELL WIZARD	PNEUMATIC DISPLACEMENT PUMP	CENTRIFUGAL PUMP	FULTZ PUMP	DEDICATED

**** SAMPLE METHOD **** (CHECK OR CIRCLE ONE)

ISCO 2' BLADDER AIR PUMP	2" GRUNDFOS PUMP	4" GRUNDFOS PUMP	3" STAINLESS STEEL BAILER	1" STAINLESS STEEL BAILER	ISCO PERISTALTIC	DISPOSABLE BAILER
DIPPER	SURFACE SAMPLER	WELL WIZARD	DEDICATED PUMP	TEFLON BAILER		OTHER

**** WELL INTEGRITY / LOCATION / WEATHER ****

CAP & SEAL SECURE YES X NO ()	LOCK INSTALLED YES X NO () TYPE <u>DELPHIN</u>	MONUMENT TYPE/STYLE: <u>FLUXIT</u>	WELL CASING MATERIAL: <u>PVC</u>	RECHARGE: GOOD X FAIR () POOR ()	LOCATION: <u>WESTERN</u>	WEATHER: <u>OVERCAST</u> AIR TEMP: <u>70.0</u>
--	--	---------------------------------------	-------------------------------------	--	-----------------------------	--

REMARKS:



MONITORING WELL FIELD LOG

PROJECT NAME: <u>BLOOD YEAR</u> ADDRESS: _____ CITY, STATE: <u>MARSH VALLEY, CA</u> SITE CONTACT: _____	SAMPLE ANALYSIS PERFORMED: <u>TDH-6+D</u> <u>BTXE, 8010, 8270</u> SAMPLE TIME: <u>1614</u> SAMPLE CONTAINER(S): <u>4 USA, 2 LITRE, / 2 L</u> ANALYSIS PERFORMED BY: <u>SECURIA</u> LABS.
CLIENT / CONSULTANT: <u>TOUCHSTONE</u>	DATE: <u>6/9</u> 199 <u>6</u>
PROJECT MANAGER: <u>TIM</u>	START TIME: (HR./MIN.)
SAMPLER(S): <u>MDN</u>	SAMPLE POINT I.D. / LOCATION: <u>MMW-3</u>
GROUNDWATER: <input checked="" type="checkbox"/> VADOSE: <input type="checkbox"/> SURFACE: <input type="checkbox"/> OTHER: <input type="checkbox"/>	PHOTO IONIZATION READING AT WELL HEAD: <u>0.0</u> PPM
CASING ELEVATION: (FEET MSL) -----	CASING DIAMETER: 2 INCH <input checked="" type="checkbox"/> 4 INCH () 6 INCH ()
DEPTH TO PRODUCT: (FEET) -----	OTHER:
DEPTH TO WATER: (FEET) ----- <u>4.16</u>	CALCULATED CASING VOLUME: <u>1.97</u> GALLONS
DEPTH OF WELL: (FEET) ----- <u>16.28</u>	TOTAL VOLUME PURGED: <u>6.0</u> GALLONS

TIME (HR./MIN.)	VOLUME (GALLONS)	pH (units)	E.C. Umhos/cm / MSmhos/cm	TEMP. (Degrees C)	COLOR (Visual) (Turbidity / NTU's)	OTHER (Odor)
	0	6.6	665	20.8	TURBID	(BROWN)
	2.0	6.6	694	21.2	"	OIL ODORE
	4.0	6.6	696	21.3	CLEAR	"
	6.0	6.6	700	21.4	"	"

***** PURGE METHOD *** (CHECK OR CIRCLE ONE)**

ISCO 2" BLADDER AIR PUMP	2" GRUNDFOS PUMP (.1632)	4" GRUNDFOS PUMP (.6528 / 1.469)	3' OR 1' STAINLESS STEEL BAILER	MANUAL / ELECTRONIC BAILER SPOOL	ISCO PERISTALTIC PUMP	DISPOSABLE BAILER
SUBMERSIBLE PUMP	GEO - GUARD PUMP	WELL WIZARD	PNEUMATIC DISPLACEMENT PUMP	<input checked="" type="checkbox"/> CENTRIFUGAL PUMP	FULTZ PUMP	DEDICATED

***** SAMPLE METHOD *** (CHECK OR CIRCLE ONE)**

ISCO 2" BLADDER AIR PUMP	2" GRUNDFOS PUMP	4" GRUNDFOS PUMP	<input checked="" type="checkbox"/> STAINLESS STEEL BAILER	1' STAINLESS STEEL BAILER	ISCO PERISTALTIC	DISPOSABLE BAILER
DIPPER	SURFACE SAMPLER	WELL WIZARD	DEDICATED PUMP	TEFLON BAILER		OTHER

***** WELL INTEGRITY / LOCATION / WEATHER *****

CAP & SEAL SECURE YES <input checked="" type="checkbox"/> NO ()	LOCK INSTALLED YES <input checked="" type="checkbox"/> NO () TYPE: <u>ROCK</u>	MONUMENT TYPE/STYLE: <u>FLUX</u>	WELL CASING MATERIAL: <u>PVC</u>	RECHARGE: GOOD <input checked="" type="checkbox"/> FAIR () POOR ()	LOCATION: <u>SOUTHERN</u>	WEATHER: <u>OVERCAST</u> AIR TEMP: <u>COOL</u>
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REMARKS:

APPENDIX B

Sequoia Analytical Report



Touchstone Developments
17170 Keaton Ave.
Sonoma, CA 95476

Client Proj. ID: Quarterly Monitoring/Goodyear
Sample Descript: MW-3 BB
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9602928-01

Sampled: 02/09/96
Received: 02/13/96
Analyzed: 02/16/96
Reported: 02/23/96

Attention: Tim Walker

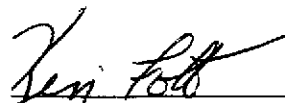
GC Batch Number: GC021696BTEX21A
Instrument ID: GCHP21

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	97

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

EQUOIA ANALYTICAL - ELAP #1210


Kevin Follett
Project Manager



Touchstone Developments
17170 Keaton Ave.
Sonoma, CA 95476

Client Proj. ID: Quarterly Monitoring/Goodyear
Sample Descript: MW-3
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9602928-02

Sampled: 02/09/96
Received: 02/13/96
Analyzed: 02/16/96
Reported: 02/23/96

Attention: Tim Walker

IC Batch Number: GC021696BTEX03A
Instrument ID: GCHP03

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	52
Benzene	0.50	9.6
Toluene	0.50	1.4
Ethyl Benzene	0.50	1.2
Xylenes (Total)	0.50	2.0
Chromatogram Pattern:		Gas

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	111

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager





Touchstone Developments
17170 Keaton Ave.
Sonoma, CA 95476

Client Proj. ID: Quarterly Monitoring/Goodyear
Sample Descript: MW-3
Matrix: LIQUID
Analysis Method: EPA 8010
Lab Number: 9602928-02

Sampled: 02/09/96
Received: 02/13/96
Analyzed: 02/15/96
Reported: 02/23/96

GC Batch Number: GC021596801008A
Instrument ID: GCHP8

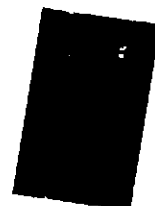
Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon Tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	1.0	N.D.
2-Chloroethylvinyl ether	1.0	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
1,1-Dichloroethane	0.50	10
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	3.5
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	0.77
1,1,1-Trichloroethane	0.50	1.1
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	0.73
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	8.5
Surrogates	Control Limits %	% Recovery
1-Chloro-2-fluorobenzene	70 130	100

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager





Touchstone Developments
17170 Keaton Ave.
Sonoma, CA 95476

Client Proj. ID: Quarterly Monitoring/Goodyear
Sample Descript: MW-3
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9602928-02

Sampled: 02/09/96
Received: 02/13/96
Extracted: 02/15/96
Analyzed: 02/20/96
Reported: 02/23/96

Attention: Tim Walker

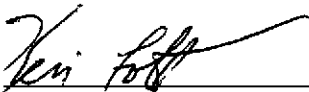
GC Batch Number: GC0215960HBPEXZ
Instrument ID: GCHP5A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel Chromatogram Pattern: Unidentified HC	50	700 C9-C24
Surrogates	Control Limits %	% Recovery
n-Pentacosane (C25)	50 150	108

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

SEQUOIA ANALYTICAL - ELAP #1210


Kevin Follett
Project Manager



Touchstone Developments
17170 Keaton Ave.
Sonoma, CA 95476

Client Proj. ID: Quarterly Monitoring/Goodyear
Sample Descript: MW-3
Matrix: LIQUID
Analysis Method: EPA 8270
Lab Number: 9602928-02

Sampled: 02/09/96
Received: 02/13/96
Extracted: 02/15/96
Analyzed: 02/20/96
Reported: 02/23/96

Attention: Tim Walker

IC Batch Number: MS0215968270EXA
Instrument ID: H5

Semivolatile Organics (EPA 8270)

Analyte	Detection Limit ug/L	Sample Results ug/L
Acenaphthene	5.0	N.D.
Acenaphthylene	5.0	N.D.
Anthracene	5.0	N.D.
Benzoic Acid	10	N.D.
Benzo(a)anthracene	5.0	N.D.
Benzo(b)fluoranthene	5.0	N.D.
Benzo(k)fluoranthene	5.0	N.D.
Benzo(g,h,i)perylene	5.0	N.D.
Benzo(a)pyrene	5.0	N.D.
Benzyl alcohol	5.0	N.D.
Bis(2-chloroethoxy)methane	5.0	N.D.
Bis(2-chloroethyl)ether	5.0	N.D.
Bis(2-chloroisopropyl)ether	5.0	N.D.
Bis(2-ethylhexyl)phthalate	10	N.D.
4-Bromophenyl phenyl ether	5.0	N.D.
Butyl benzyl phthalate	5.0	N.D.
4-Chloroaniiline	10	N.D.
2-Chloronaphthalene	5.0	N.D.
4-Chloro-3-methylphenol	5.0	N.D.
2-Chlorophenol	5.0	N.D.
4-Chlorophenyl phenyl ether	5.0	N.D.
Chrysene	5.0	N.D.
Dibenzo(a,h)anthracene	5.0	N.D.
Dibenzofuran	5.0	N.D.
Di-n-butyl phthalate	10	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
3,3-Dichlorobenzidine	10	N.D.
2,4-Dichlorophenol	5.0	N.D.
Diethyl phthalate	5.0	N.D.
2,4-Dimethylphenol	5.0	N.D.
Dimethyl phthalate	5.0	N.D.
4,6-Dinitro-2-methylphenol	10	N.D.
2,4-Dinitrophenol	10	N.D.
2,4-Dinitrotoluene	5.0	N.D.





Sequoia Analytical

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 819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Touchstone Developments
 17170 Keaton Ave.
 Sonoma, CA 95476

Client Proj. ID: Quarterly Monitoring/Goodyear
 Sample Descript: MW-3
 Matrix: LIQUID
 Analysis Method: EPA 8270
 Lab Number: 9602928-02

Sampled: 02/09/96
 Received: 02/13/96
 Extracted: 02/15/96
 Analyzed: 02/20/96
 Reported: 02/23/96

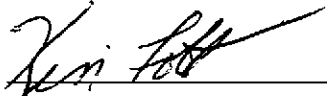
IC Batch Number: MS0215968270EXA
 Instrument ID: H5

Analyte	Detection Limit ug/L	Sample Results ug/L
2,6-Dinitrotoluene	5.0	N.D.
Di-n-octyl phthalate	5.0	N.D.
Fluoranthene	5.0	N.D.
Fluorene	5.0	N.D.
Hexachlorobenzene	5.0	N.D.
Hexachlorobutadiene	5.0	N.D.
Hexachlorocyclopentadiene	10	N.D.
Hexachloroethane	5.0	N.D.
Indeno(1,2,3-cd)pyrene	5.0	N.D.
Isophorone	5.0	N.D.
2-Methylnaphthalene	5.0	N.D.
2-Methylphenol	5.0	N.D.
4-Methylphenol	5.0	N.D.
Naphthalene	5.0	N.D.
2-Nitroaniline	10	N.D.
3-Nitroaniline	10	N.D.
4-Nitroaniline	10	N.D.
Nitrobenzene	5.0	N.D.
2-Nitrophenol	5.0	N.D.
4-Nitrophenol	10	N.D.
n-Nitrosodiphenylamine	5.0	N.D.
n-Nitroso-di-n-propylamine	5.0	N.D.
Pentachlorophenol	10	N.D.
Phenanthrene	5.0	N.D.
Phenol	5.0	N.D.
Pyrene	5.0	N.D.
1,2,4-Trichlorobenzene	5.0	N.D.
2,4,5-Trichlorophenol	10	N.D.
2,4,6-Trichlorophenol	5.0	N.D.

Surrogates	Control Limits %		% Recovery
2-Fluorophenol	21	110	61
Phenol-d5	10	110	46
Nitrobenzene-d5	35	114	84
2-Fluorobiphenyl	43	116	84
2,4,6-Tribromophenol	10	123	90
p-Terphenyl-d14	33	141	77

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

SEQUOIA ANALYTICAL - ELAP #1210


 Kevin Follett
 Project Manager



Touchstone Developments 17170 Keaton Ave. Sonoma, CA 95476	Client Proj. ID: Quarterly Monitoring/Goodyear Sample Descript: MW-2 BB Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9602928-03	Sampled: 02/09/96 Received: 02/13/96 Analyzed: 02/16/96 Reported: 02/23/96
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Attention: Tim Walker

GC Batch Number: GC021696BTEX21A
Instrument ID: GCHP21

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	130

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager



Touchstone Developments
17170 Keaton Ave.
Sonoma, CA 95476

Client Proj. ID: Quarterly Monitoring/Goodyear
Sample Descript: MW-2
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9602928-04

Sampled: 02/09/96
Received: 02/13/96
Analyzed: 02/16/96
Reported: 02/23/96

Attention: Tim Walker

C Batch Number: GC021696BTEX21A
Instrument ID: GCHP21

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	130

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

EQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager





Touchstone Developments 17170 Keaton Ave. Sonoma, CA 95476	Client Proj. ID: Quarterly Monitoring/Goodyear Sample Descript: MW-2 Matrix: LIQUID Analysis Method: EPA 8015 Mod Lab Number: 9602928-04	Sampled: 02/09/96 Received: 02/13/96 Extracted: 02/15/96 Analyzed: 02/18/96 Reported: 02/23/96
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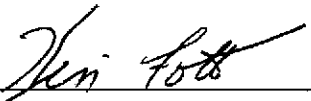
QC Batch Number: GC0215960HBPEXZ
Instrument ID: GCHP4B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel Chromatogram Pattern:	50	N.D.
Surrogates	Control Limits %	% Recovery
n-Pentacosane (C25)	50 150	97

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

SEQUOIA ANALYTICAL - ELAP #1210



 Kevin Follett
 Project Manager





Touchstone Developments
17170 Keaton Ave.
Sonoma, CA 95476

Client Proj. ID: Quarterly Monitoring/Goodyear
Sample Descript: MW-2
Matrix: LIQUID
Analysis Method: EPA 8010
Lab Number: 9602928-04

Sampled: 02/09/96
Received: 02/13/96
Analyzed: 02/15/96
Reported: 02/23/96


IC Batch Number: GC021596801008A
Instrument ID: GCHP8

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon Tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	1.0	N.D.
2-Chloroethylvinyl ether	1.0	N.D.
Chloroform	0.50	3.2
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.
Surrogates	Control Limits %	% Recovery
1-Chloro-2-fluorobenzene	70 130	98

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

SEQUOIA ANALYTICAL - ELAP #1210


Kevin Follett
Project Manager



Touchstone Developments
17170 Keaton Ave.
Sonoma, CA 95476

Attention: Tim Walker

Client Proj. ID: Quarterly Monitoring/Goodyear
Sample Descript: MW-2
Matrix: LIQUID
Analysis Method: EPA 8270
Lab Number: 9602928-04

Sampled: 02/09/96
Received: 02/13/96
Extracted: 02/15/96
Analyzed: 02/20/96
Reported: 02/23/96

QC Batch Number: MS0215968270EXA
Instrument ID: H5

Semivolatile Organics (EPA 8270)

Analyte	Detection Limit ug/L	Sample Results ug/L
Acenaphthene	5.0	N.D.
Acenaphthylene	5.0	N.D.
Anthracene	5.0	N.D.
Benzoic Acid	10	N.D.
Benzo(a)anthracene	5.0	N.D.
Benzo(b)fluoranthene	5.0	N.D.
Benzo(k)fluoranthene	5.0	N.D.
Benzo(g,h,i)perylene	5.0	N.D.
Benzo(a)pyrene	5.0	N.D.
Benzyl alcohol	5.0	N.D.
Bis(2-chloroethoxy)methane	5.0	N.D.
Bis(2-chloroethyl)ether	5.0	N.D.
Bis(2-chloroisopropyl)ether	5.0	N.D.
Bis(2-ethylhexyl)phthalate	10	N.D.
4-Bromophenyl phenyl ether	5.0	N.D.
Butyl benzyl phthalate	5.0	N.D.
4-Chloroaniline	10	N.D.
2-Chloronaphthalene	5.0	N.D.
4-Chloro-3-methylphenol	5.0	N.D.
2-Chlorophenol	5.0	N.D.
4-Chlorophenyl phenyl ether	5.0	N.D.
Chrysene	5.0	N.D.
Dibenzo(a,h)anthracene	5.0	N.D.
Dibenzofuran	5.0	N.D.
Di-n-butyl phthalate	10	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
3,3-Dichlorobenzidine	10	N.D.
2,4-Dichlorophenol	5.0	N.D.
Diethyl phthalate	5.0	N.D.
2,4-Dimethylphenol	5.0	N.D.
Dimethyl phthalate	5.0	N.D.
4,6-Dinitro-2-methylphenol	10	N.D.
2,4-Dinitrophenol	10	N.D.
2,4-Dinitrotoluene	5.0	N.D.





Sequoia Analytical

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Touchstone Developments
17170 Keaton Ave.
Sonoma, CA 95476

Client Proj. ID: Quarterly Monitoring/Goodyear
Sample Descript: MW-2
Matrix: LIQUID
Analysis Method: EPA 8270
Lab Number: 9602928-04

Sampled: 02/09/96
Received: 02/13/96
Extracted: 02/15/96
Analyzed: 02/20/96
Reported: 02/23/96

IC Batch Number: MS0215968270EXA
Instrument ID: H5

Analyte	Detection Limit ug/L	Sample Results ug/L
2,6-Dinitrotoluene	5.0	N.D.
Di-n-octyl phthalate	5.0	N.D.
Fluoranthene	5.0	N.D.
Fluorene	5.0	N.D.
Hexachlorobenzene	5.0	N.D.
Hexachlorobutadiene	5.0	N.D.
Hexachlorocyclopentadiene	10	N.D.
Hexachloroethane	5.0	N.D.
Indeno(1,2,3-cd)pyrene	5.0	N.D.
Isophorone	5.0	N.D.
2-Methylnaphthalene	5.0	N.D.
2-Methylphenol	5.0	N.D.
4-Methylphenol	5.0	N.D.
Naphthalene	5.0	N.D.
2-Nitroaniline	10	N.D.
3-Nitroaniline	10	N.D.
4-Nitroaniline	10	N.D.
Nitrobenzene	5.0	N.D.
2-Nitrophenol	5.0	N.D.
4-Nitrophenol	10	N.D.
n-Nitrosodiphenylamine	5.0	N.D.
n-Nitroso-di-n-propylamine	5.0	N.D.
Pentachlorophenol	10	N.D.
Phenanthrene	5.0	N.D.
Phenol	5.0	N.D.
Pyrene	5.0	N.D.
1,2,4-Trichlorobenzene	5.0	N.D.
2,4,5-Trichlorophenol	10	N.D.
2,4,6-Trichlorophenol	5.0	N.D.

Surrogates	Control Limits %		% Recovery
2-Fluorophenol	21	110	58
Phenol-d5	10	110	44
Nitrobenzene-d5	35	114	79
2-Fluorobiphenyl	43	116	78
2,4,6-Tribromophenol	10	123	83
p-Terphenyl-d14	33	141	70

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

EQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager





Touchstone Developments
17170 Keaton Ave.
Sonoma, CA 95476

Client Proj. ID: Quarterly Monitoring/Goodyear
Sample Descript: MW-1 BB
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9602928-05

Sampled: 02/09/96
Received: 02/13/96
Analyzed: 02/16/96
Reported: 02/23/96

Attention: Tim Walker

IC Batch Number: GC021696BTEX02A
Instrument ID: GCHP02

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	74

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager



Touchstone Developments 17170 Keaton Ave. Sonoma, CA 95476	Client Proj. ID: Quarterly Monitoring/Goodyear Sample Descript: MW-1 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9602928-06	Sampled: 02/09/96 Received: 02/13/96 Analyzed: 02/16/96 Reported: 02/23/96
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GC Batch Number: GC021696BTEX21A
Instrument ID: GCHP21

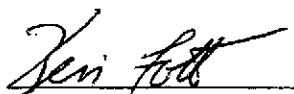
Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	123

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

SEQUOIA ANALYTICAL - ELAP #1210


 Kevin Follett
 Project Manager





Touchstone Developments
17170 Keaton Ave.
Sonoma, CA 95476

Attention: Tim Walker

Client Proj. ID: Quarterly Monitoring/Goodyear
Sample Descript: MW-1
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9602928-06

Sampled: 02/09/96
Received: 02/13/96
Extracted: 02/15/96
Analyzed: 02/18/96
Reported: 02/23/96

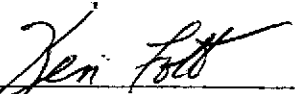
QC Batch Number: GC0215960HBPEXZ
Instrument ID: GCHP4B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel Chromatogram Pattern:	50	N.D.
Surrogates	Control Limits %	% Recovery
n-Pentacosane (C25)	50 150	93

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

SEQUOIA ANALYTICAL - ELAP #1210



Kevin Follett
Project Manager



Touchstone Developments 17170 Keaton Ave. Sonoma, CA 95476	Client Proj. ID: Quarterly Monitoring/Goodyear Sample Descript: MW-1 Matrix: LIQUID Analysis Method: EPA 8010 Lab Number: 9602928-06	Sampled: 02/09/96 Received: 02/13/96 Analyzed: 02/15/96 Reported: 02/23/96
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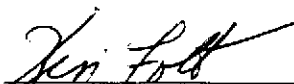
GC Batch Number: GC021596801008A
 Instrument ID: GCHP8

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon Tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	1.0	N.D.
2-Chloroethylvinyl ether	1.0	N.D.
Chloroform	0.50	2.4
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.
Surrogates	Control Limits %	% Recovery
1-Chloro-2-fluorobenzene	70 130	92

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

EQUOIA ANALYTICAL - ELAP #1210


 Kevin Follett
 Project Manager



Touchstone Developments
17170 Keaton Ave.
Sonoma, CA 95476

Client Proj. ID: Quarterly Monitoring/Goodyear
Sample Descript: MW-1
Matrix: LIQUID
Analysis Method: EPA 8270
Lab Number: 9602928-06

Sampled: 02/09/96
Received: 02/13/96
Extracted: 02/15/96
Analyzed: 02/20/96
Reported: 02/23/96

Attention: Tim Walker

Batch Number: MS0215968270EXA
Instrument ID: H5

Semivolatile Organics (EPA 8270)

Analyte	Detection Limit ug/L	Sample Results ug/L
Acenaphthene	5.0	N.D.
Acenaphthylene	5.0	N.D.
Anthracene	5.0	N.D.
Benzoic Acid	10	N.D.
Benzo(a)anthracene	5.0	N.D.
Benzo(b)fluoranthene	5.0	N.D.
Benzo(k)fluoranthene	5.0	N.D.
Benzo(g,h,i)perylene	5.0	N.D.
Benzo(a)pyrene	5.0	N.D.
Benzyl alcohol	5.0	N.D.
Bis(2-chloroethoxy)methane	5.0	N.D.
Bis(2-chloroethyl)ether	5.0	N.D.
Bis(2-chloroisopropyl)ether	5.0	N.D.
Bis(2-ethylhexyl)phthalate	10	N.D.
4-Bromophenyl phenyl ether	5.0	N.D.
Butyl benzyl phthalate	5.0	N.D.
4-Chloroaniline	10	N.D.
2-Chloronaphthalene	5.0	N.D.
4-Chloro-3-methylphenol	5.0	N.D.
2-Chlorophenol	5.0	N.D.
4-Chlorophenyl phenyl ether	5.0	N.D.
Chrysene	5.0	N.D.
Dibenzo(a,h)anthracene	5.0	N.D.
Dibenzofuran	5.0	N.D.
Di-n-butyl phthalate	10	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
3,3-Dichlorobenzidine	10	N.D.
2,4-Dichlorophenol	5.0	N.D.
Diethyl phthalate	5.0	N.D.
2,4-Dimethylphenol	5.0	N.D.
Dimethyl phthalate	5.0	N.D.
4,6-Dinitro-2-methylphenol	10	N.D.
2,4-Dinitrophenol	10	N.D.
2,4-Dinitrotoluene	5.0	N.D.



Sequoia Analytical

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

Touchstone Developments 17170 Keaton Ave. Sonoma, CA 95476	Client Proj. ID: Quarterly Monitoring/Goodyear Sample Descript: MW-1 Matrix: LIQUID Analysis Method: EPA 8270 Lab Number: 9602928-06	Sampled: 02/09/96 Received: 02/13/96 Extracted: 02/15/96 Analyzed: 02/20/96 Reported: 02/23/96
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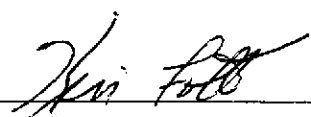
QC Batch Number: MS0215968270EXA
Instrument ID: H5

Analyte	Detection Limit ug/L	Sample Results ug/L
2,6-Dinitrotoluene	5.0	N.D.
Di-n-octyl phthalate	5.0	N.D.
Fluoranthene	5.0	N.D.
Fluorene	5.0	N.D.
Hexachlorobenzene	5.0	N.D.
Hexachlorobutadiene	5.0	N.D.
Hexachlorocyclopentadiene	10	N.D.
Hexachloroethane	5.0	N.D.
Indeno(1,2,3-cd)pyrene	5.0	N.D.
Isophorone	5.0	N.D.
2-Methylnaphthalene	5.0	N.D.
2-Methylphenol	5.0	N.D.
4-Methylphenol	5.0	N.D.
Naphthalene	5.0	N.D.
2-Nitroaniline	10	N.D.
3-Nitroaniline	10	N.D.
4-Nitroaniline	10	N.D.
Nitrobenzene	5.0	N.D.
2-Nitrophenol	5.0	N.D.
4-Nitrophenol	10	N.D.
n-Nitrosodiphenylamine	5.0	N.D.
n-Nitroso-di-n-propylamine	5.0	N.D.
Pentachlorophenol	10	N.D.
Phenanthrene	5.0	N.D.
Phenol	5.0	N.D.
Pyrene	5.0	N.D.
1,2,4-Trichlorobenzene	5.0	N.D.
2,4,5-Trichlorophenol	10	N.D.
2,4,6-Trichlorophenol	5.0	N.D.

Surrogates	Control Limits %		% Recovery
2-Fluorophenol	21	110	60
Phenol-d5	10	110	47
Nitrobenzene-d5	35	114	75
2-Fluorobiphenyl	43	116	76
2,4,6-Tribromophenol	10	123	81
p-Terphenyl-d14	33	141	83

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

SEQUOIA ANALYTICAL - ELAP #1210


 Kevin Follett
 Project Manager



Touchstone Developments
17170 Keaton Ave.
Sonoma, CA 95476

Client Proj. ID: Quarterly Monitoring/Goodyear
Sample Descript: Trip Blank
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9602928-07

Sampled: 02/09/96
Received: 02/13/96
Analyzed: 02/16/96
Reported: 02/23/96

Attention: Tim Walker

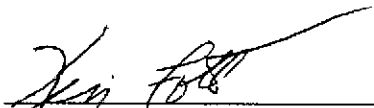
GC Batch Number: GC021696BTEX21A
Instrument ID: GCHP21

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	121

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

SEQUOIA ANALYTICAL - ELAP #1210



Kevin Follett
Project Manager



Touchstone Development
17170 Keaton Ave.
Sonoma, CA 95476
Attention: Tim Walker

Client Project ID: Quarterly Monitoring/Goodyear
Matrix: Liquid

Work Order #: 9602928 -02, 04, 06

Reported: Feb 26, 1996

QUALITY CONTROL DATA REPORT

Analyte: Diesel

QC Batch#: GC0215960HBPEXZ
Analy. Method: EPA 8015M
Prep. Method: EPA 3520

Analyst: J. Minkel
MS/MSD #: 960286902
Sample Conc.: N.D.
Prepared Date: 2/15/96
Analyzed Date: 2/18/96
Instrument I.D.#: GCHP4
Conc. Spiked: 1000 µg/L

Result: 860
MS % Recovery: 86

Dup. Result: 860
MSD % Recov.: 86

RPD: 0.0
RPD Limit: 0-50

LCS #: BLK021596

Prepared Date: 2/15/96
Analyzed Date: 2/18/96
Instrument I.D.#: GCHP4
Conc. Spiked: 1000 µg/L

LCS Result: 930
LCS % Recov.: 93

MS/MSD
LCS 38-122
Control Limits

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.

SEQUOIA ANALYTICAL

Kevin Follett
Kevin Follett
Project Manager

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

9602928.TTT <1>





Touchstone Development
17170 Keaton Ave.
Sonoma, CA 95476
Attention: Tim Walker

Client Project ID: Quarterly Monitoring/Goodyear
Matrix: Liquid

Work Order #: 9602928-01, 03, 04, 06, 07

Reported: Feb 26, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC021696BTEX21A	GC021696BTEX21A	GC021696BTEX21A	GC021696BTEX21A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	J. Woo	J. Woo	J. Woo	J. Woo
MS/MSD #:	960245102	960245102	960245102	960245102
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	2/16/96	2/16/96	2/16/96	2/16/96
Analyzed Date:	2/16/96	2/16/96	2/16/96	2/16/96
Instrument I.D.#:	GCHP21	GCHP21	GCHP21	GCHP21
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	8.4	7.9	6.7	20
MS % Recovery:	84	79	67	67
Dup. Result:	9.5	9.5	9.3	28
MSD % Recov.:	95	95	93	93
RPD:	12	18	33	33
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:	BLK021696	BLK021696	BLK021696	BLK021696
Prepared Date:	2/16/96	2/16/96	2/16/96	2/16/96
Analyzed Date:	2/16/96	2/16/96	2/16/96	2/16/96
Instrument I.D.#:	GCHP21	GCHP21	GCHP21	GCHP21
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Result:	9.2	9.0	8.7	26
LCS % Recov.:	92	90	87	87

MS/MSD				
LCS	70-130	70-130	70-130	70-130
Control Limits				

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.

SEQUOIA ANALYTICAL

Kevin Follett
Kevin Follett
Project Manager

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

9602928.TTT <2>





Touchstone Development 17170 Keaton Ave. Sonoma, CA 95476 Attention: Tim Walker	Client Project ID: Quarterly Monitoring/Goodyear Matrix: Liquid Work Order #: 9602928-02	Reported: Feb 26, 1996
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QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC021696BTEX03A	GC021696BTEX03A	GC021696BTEX03A	GC021696BTEX03A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	J. Woo	J. Woo	J. Woo	J. Woo
MS/MSD #:	960245102	960245102	960245102	960245102
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	2/16/96	2/16/96	2/16/96	2/16/96
Analyzed Date:	2/16/96	2/16/96	2/16/96	2/16/96
Instrument I.D.#:	GCHP3	GCHP3	GCHP3	GCHP3
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	10	9.9	9.9	30
MS % Recovery:	100	99	99	100
Dup. Result:	10	9.8	9.8	29
MSD % Recov.:	100	98	98	97
RPD:	0.0	1.0	1.0	3.4
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:	BLK021696	BLK021696	BLK021696	BLK021696
Prepared Date:	2/16/96	2/16/96	2/16/96	2/16/96
Analyzed Date:	2/16/96	2/16/96	2/16/96	2/16/96
Instrument I.D.#:	GCHP3	GCHP3	GCHP3	GCHP3
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Result:	10	9.8	9.9	29
LCS % Recov.:	100	98	99	97

MS/MSD				
LCS	70-130	70-130	70-130	70-130
Control Limits				

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.

SEQUOIA ANALYTICAL

Kevin Follett

Kevin Follett
Project Manager

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

9602928.TTT <3>





Touchstone Development
17170 Keaton Ave.
Sonoma, CA 95476
Attention: Tim Walker

Client Project ID: Quarterly Monitoring/Goodyear
Matrix: Liquid

Work Order #: 9602928-05

Reported: Feb 26, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC021696BTEX02A	GC021696BTEX02A	GC021696BTEX02A	GC021696BTEX02A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	J. Woo	J. Woo	J. Woo	J. Woo
MS/MSD #:	960245102	960245102	960245102	960245102
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	2/16/96	2/16/96	2/16/96	2/16/96
Analyzed Date:	2/16/96	2/16/96	2/16/96	2/16/96
Instrument I.D.#:	GCHP2	GCHP2	GCHP2	GCHP2
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	9.9	9.8	9.7	28
MS % Recovery:	99	98	97	93
Dup. Result:	11	11	11	32
MSD % Recov.:	110	110	110	107
RPD:	11	12	13	13
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:	BLK021696	BLK021696	BLK021696	BLK021696
Prepared Date:	2/16/96	2/16/96	2/16/96	2/16/96
Analyzed Date:	2/16/96	2/16/96	2/16/96	2/16/96
Instrument I.D.#:	GCHP2	GCHP2	GCHP2	GCHP2
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Result:	9.9	9.6	9.3	29
LCS % Recov.:	99	96	93	97

MS/MSD LCS Control Limits	70-130	70-130	70-130	70-130
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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.

SEQUOIA ANALYTICAL

Kevin Follett
Project Manager





Touchstone Development
17170 Keaton Ave.
Sonoma, CA 95476
Attention: Tim Walker

Client Project ID: Quarterly Monitoring/Goodyear
Matrix: Liquid

Work Order #: 9602928-02, 04, 06

Reported: Feb 26, 1996

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
QC Batch#:	GC021596801008A	GC021596801008A	GC021596801008A
Analy. Method:	EPA 8010	EPA 8010	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030

Analyst:	R. Vincent	R. Vincent	R. Vincent
MS/MSD #:	960255801	960255801	960255801
Sample Conc.:	N.D.	N.D.	N.D.
Prepared Date:	2/14/96	2/14/96	2/14/96
Analyzed Date:	2/15/96	2/15/96	2/15/96
Instrument I.D.#:	GCHP8	GCHP8	GCHP8
Conc. Spiked:	25 µg/L	25 µg/L	25 µg/L

Result:	21	21	22
MS % Recovery:	84	84	88

Dup. Result:	24	23	24
MSD % Recov.:	96	92	96

RPD:	13	9.1	8.7
RPD Limit:	0-50	0-50	0-50

LCS #:	BLK021596	BLK021596	BLK021596
Prepared Date:	2/15/96	2/15/96	2/15/96
Analyzed Date:	2/15/96	2/15/96	2/15/96
Instrument I.D.#:	GCHP8	GCHP8	GCHP8
Conc. Spiked:	25 µg/L	25 µg/L	25 µg/L
LCS Result:	24	21	20
LCS % Recov.:	96	84	80

MS/MSD LCS Control Limits	30-140	40-130	40-130
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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

Kevin Follett
Kevin Follett
Project Manager





Touchstone Development
17170 Keaton Ave.
Sonoma, CA 95476
Attention: Tim Walker

Client Project ID: Quarterly Monitoring/Goodyear
Matrix: Liquid

Work Order #: 9602928-02, 04, 06

Reported: Feb 26, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Phenol	2-Chlorophenol	1,4-Dichloro benzene	N-Nitroso-Di- N-propylamine
QC Batch#:	MS0215968270EXA	MS0215968270EXA	MS0215968270EXA	MS0215968270EXA
Analy. Method:	EPA 8270	EPA 8270	EPA 8270	EPA 8270
Prep. Method:	EPA 3510	EPA 3510	EPA 3510	EPA 3510

Analyst:	B. Pitamah	B. Pitamah	B. Pitamah	B. Pitamah
MS/MSD #:	BLK021596	BLK021596	BLK021596	BLK021596
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	2/15/96	2/15/96	2/15/96	2/15/96
Analyzed Date:	2/23/96	2/23/96	2/23/96	2/23/96
Instrument I.D.#:	F4	F4	F4	F4
Conc. Spiked:	200 µg/L	200 µg/L	200 µg/L	200 µg/L
Result:	110	160	150	200
MS % Recovery:	55	80	75	100
Dup. Result:	110	160	160	190
MSD % Recov.:	55	80	80	95
RPD:	0.0	0.0	6.5	5.1
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:

Prepared Date:
Analyzed Date:
Instrument I.D.#:
Conc. Spiked:

LCS Result:
LCS % Recov.:

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

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

Kevin Follett
Kevin Follett
Project Manager





Touchstone Development 17170 Keaton Ave. Sonoma, CA 95476 Attention: Tim Walker	Client Project ID: Quarterly Monitoring/Goodyear Matrix: Liquid Work Order #: 9602928-02, 04, 06	Reported: Feb 26, 1996
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QUALITY CONTROL DATA REPORT

Analyte:	1,2,4-Trichloro benzene	4-Chloro-3 Methylphenol	Acenaphthene	4-Nitrophenol
QC Batch#:	MS0215968270EXA	MS0215968270EXA	MS0215968270EXA	MS0215968270EXA
Analy. Method:	EPA 8270	EPA 8270	EPA 8270	EPA 8270
Prep. Method:	EPA 3510	EPA 3510	EPA 3510	EPA 3510

Analyst:	B. Pitamah	B. Pitamah	B. Pitamah	B. Pitamah
MS/MSD #:	BLK021596	BLK021596	BLK021596	BLK021596
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	2/15/96	2/15/96	2/15/96	2/15/96
Analyzed Date:	2/23/96	2/23/96	2/23/96	2/23/96
Instrument I.D.#:	F4	F4	F4	F4
Conc. Spiked:	200 µg/L	200 µg/L	200 µg/L	200 µg/L
Result:	180	220	150	100
MS % Recovery:	90	110	75	50
Dup. Result:	170	220	140	89
MSD % Recov.:	85	110	70	45
RPD:	5.7	0.0	6.9	12
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:

Prepared Date:
Analyzed Date:
Instrument I.D.#:
Conc. Spiked:

LCS Result:
LCS % Recov.:

MS/MSD LCS	40-120	30-120	50-140	20-120
Control Limits				

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

Kevin Follett
Kevin Follett
Project Manager





Touchstone Development
17170 Keaton Ave.
Sonoma, CA 95476
Attention: Tim Walker

Client Project ID: Quarterly Monitoring/Goodyear
Matrix: Liquid

Work Order #: 9602928-02, 04, 06

Reported: Feb 26, 1996

QUALITY CONTROL DATA REPORT

Analyte:	2,4-Dinitro- toluene	Pentachloro- phenol	Pyrene
QC Batch#:	MS0215968270EXA	MS0215968270EXA	MS0215968270EXA
Analy. Method:	EPA 8270	EPA 8270	EPA 8270
Prep. Method:	EPA 3510	EPA 3510	EPA 3510

Analyst:	B. Pitamah	B. Pitamah	B. Pitamah
MS/MSD #:	BLK021596	BLK021596	BLK021596
Sample Conc.:	N.D.	N.D.	N.D.
Prepared Date:	2/15/96	2/15/96	2/15/96
Analyzed Date:	2/23/96	2/23/96	2/23/96
Instrument I.D.#:	F4	F4	F4
Conc. Spiked:	200 µg/L	200 µg/L	200 µg/L
Result:	170	190	190
MS % Recovery:	85	95	95
Dup. Result:	160	180	190
MSD % Recov.:	80	90	95
RPD:	6.1	5.4	0.0
RPD Limit:	0-50	0-50	0-50

LCS #:

Prepared Date:
Analyzed Date:
Instrument I.D.#:
Conc. Spiked:

LCS Result:
LCS % Recov.:

MS/MSD LCS	40-130	30-110	55-115
Control Limits			

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

Kevin Follett
Kevin Follett
Project Manager



SAMPLE CHAIN OF CUSTODY RECORD

01002128



DEL-TECH GEOTECHNICAL SUPPORT
 10624 OLIVE AVE. OAKDALE, CALIFORNIA 95361
 OFFICE (209) 847-8757
 FAX (209) 847-7744

(PLEASE PRINT)

Lab. Analysis by: SEQUOIA
 LAB. INVOICE TO: TOUCHSTONE

RECORD 1 OF 1

PH. # (707) 935 0601

P.O. # / INVOICE # TIM WALKER

CLIENT / CONSULTANT: GOODYEAR / CASTRO VALLEY

PROJECT / SITE NAME: <u>QUARTERLY MONITORING / GOODYEAR TIRE</u> <u>2 QUARTER 96</u>		ANALYSIS REQUESTED (ITEMIZED AND CHECKED BELOW)		SITE SAMPLE MAP (NOT TO SCALE)	
STREET: <u>3430 CASTRO VALLEY BLVD.</u> CITY: <u>CASTRO VALLEY</u> STATE: <u>CA.</u>		TPHG - Gasoline (8015 Mod.) TPHD - Diesel (8015 Mod.) TRPH - TOTAL RECOVERABLE PETROLEUM HYDROCARBONS B.T.X.E. (8020) 8010 HALOGENATED 8240 - PURGABLE ORGANICS 8270 - EXTRACTABLE ORGANICS TTLC METALS * SEE REMARKS			
SAMPLER: <u>NON LIGHT</u> (PRINTED SIGNATURE)					

SAMPLE LOCATION (IDENTIFICATION)	DATE MTH/DAY/YR.	TIME HOUR / MIN.	NUMBER OF CONTAINERS	TYPE (GRAB OR COMPOSITE)	SAMPLE- MATRIX	TPHG	TPHD	TRPH	B.T.X.E.	8010	8240	8270	TTLC METALS	REMARKS / * SPECIAL INSTRUCTIONS BELOW
1) <u>mw-3 BB</u>	<u>2/9/96</u>	<u>1612</u>	<u>1</u>	<u>FRAB</u>	<u>WATER</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>				<u>B.B. = BAILER BLANK</u> 01 A
2) <u>mw-3</u>		<u>1614</u>	<u>6</u>											02 A-F
3) <u>mw-2 BB</u>		<u>1638</u>	<u>1</u>											03 A
4) <u>mw-2</u>		<u>1640</u>	<u>6</u>											04 A-F
5) <u>mw-1 BB</u>		<u>1704</u>	<u>1</u>											05 A
6) <u>mw-1</u>		<u>1705</u>	<u>6</u>											06 A-F
7) <u>TRIP BLANK</u>	<u>RLK</u>		<u>1</u>	<u>DL</u>	<u>DL</u>	<u>DL</u>	<u>DL</u>	<u>DL</u>	<u>DL</u>	<u>DL</u>				07 A
8.)														
9.)														
10.)														

RELINQUISHED BY: <u>Jon Light</u> (SIGNATURE)	DATE / TIME: <u>2/12/96</u> <u>1430</u>	RECEIVED BY: _____ (SIGNATURE)	DATE / TIME: _____	** SAMPLE INTEGRITY / CONDITION & TURNAROUND TIME ** RECEIVED COLD & INTACT / YES () NO () PRESERVATIVES USED / YES () NO () CUSTODY SEALS INTACT / YES () NO () N/A () AIR BUBBLES IN V.O.A.'S / YES () NO () LINE # _____ TURN AROUND TIME: CHECK ONE 24 - HOUR () 5 - HOUR () 5 - DAY () 10 - DAY (X)
RELINQUISHED BY: _____ (SIGNATURE)	DATE / TIME: _____	RECEIVED BY: _____ (SIGNATURE)	DATE / TIME: _____	
RELINQUISHED BY: _____ (SIGNATURE)	DATE / TIME: _____	RECEIVED BY LABORATORY: <u>Shan</u> (SIGNATURE) (NOTE TURNAROUND TIME)	DATE / TIME: <u>2-17-96</u> <u>1112</u>	



**Touchstone
Developments**
Environmental Management

LETTER OF TRANSMITTAL

DATE 4/16/96

From: TIM WALKER

Project No: 9414

To: **Mr. Joe Smerglia**
Goodyear Tire & Rubber Company
7301 Ambassador Row
P.O. Box 660245
Dallas, Tx. 75266-0245

SUBJECT:
Quarterly Report
Goodyear Service Center
3430 Castro Valley Road
Castro Valley, California

The following items are: Enclosed Sent Separately
via _____

Date	Description	# of Copies
4/8/96	Quarterly Report	1

These are transmitted:

- At your request
- For your approval
- For your review
- Preliminary
- For your action
- For your files
- For your information

COMMENTS:

Here is your copy of the quarterly report. Please call me if you have any questions or comments at (707) 935-0601.

Sincerely,

Timothy J. Walker

signed

cc: Ms. Amy Leach, Alameda County Department of Environmental Health.

56 APR 18 PM 1:22
ENVIRONMENTAL PROTECTION