



**Touchstone
Developments**
Environmental Management

CS

August 2, 1996

Goodyear Tire & Rubber Company
1144 East Market Street
Akron, Ohio 44316-0001

*570
1715
LPS + monitoring:*

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 May 31, 1996, by DEL-TECH Services of Oakdale, California.

Monitoring wells MW-1 and MW-2 are two-inch diameter with total depths of 18.88 and 18.27 feet below ground surface (bgs), respectively. Depth to groundwater was measured in wells MW-1 and MW-2 at 5.18 and 4.82 feet, respectively. Separate-phase hydrocarbons were observed in Well MW-3 and therefore, no depth to water or total well depth measurements were recorded. The actual purge volumes of Wells MW-1 and MW-2 were 4.48 and 4.56 gallons, respectively. 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
August 2, 1996
Page 2

A groundwater elevation 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 remains to the south southwest.

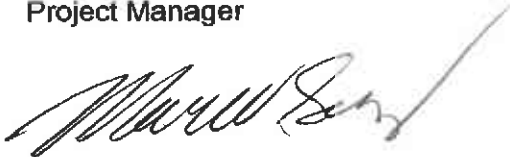
A separate-phase removing XSORB™ sock was again placed in Well MW-3 to remove the separate-phase hydrocarbons observed. Monthly monitoring of Well MW-3 will be conducted during the third quarter, 1996. The sock will be checked and replaced, if necessary, to remediate the separate-phase observed this quarter. The results of these monthly monitorings will be presented in the third quarterly sampling report.

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 Summary

Table B: 2nd Quarterly Analytical Summary

Table C: Historical Groundwater Analytical Summary

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	31-May-96	2	177.17	5.18	171.99	18.88	4.48	6.9	478	22	clear
MW-2	31-May-96	2	176.55	4.82	171.73	18.27	4.56	6.8	500	21.8	clear
MW-3	31-May-96	2	176.97	*	*	*	*	*	*	*	*

* = well not monitored or sampled due to the presence of separate-phase hydrocarbons.
 pH measured in standard pH units.
 DTW = Depth to Water
 deg. C = Degrees measured in Celsius

TABLE B

1996 - 2nd 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	31-May-96	ND	ND	ND	ND	ND	ND	CAR *	ND
MW-2	31-May-96	ND	ND	ND	ND	ND	ND	CAR *	ND
MW-3	31-May-96	NA	NA	NA	NA	NA	NA	NA	NA

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)

NA = Well not monitored or sampled due to the presence of separate-phase hydrocarbons.

CAR * = Chloroform reported in MW-1 and MW-2 at 3.3 and 2.3 ppb, respectively.

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	6.48	23-Oct-95	95	4th	ND	ND	ND	ND	ND	ND	NA	CAR	ND	NA	NA	NA	NA	NA	
MW-1	3.73	9-Feb-96	96	1st	ND	ND	ND	ND	ND	ND	NA	CAR	ND	NA	NA	NA	NA	NA	
MW-1	5.18	31-May-96	96	2nd	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-2	4.82	31-May-96	96	2nd	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	FP
MW-3	FP	23-Oct-95	95	4th	FP	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	
MW-3	FP	31-May-96	96	2nd	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP

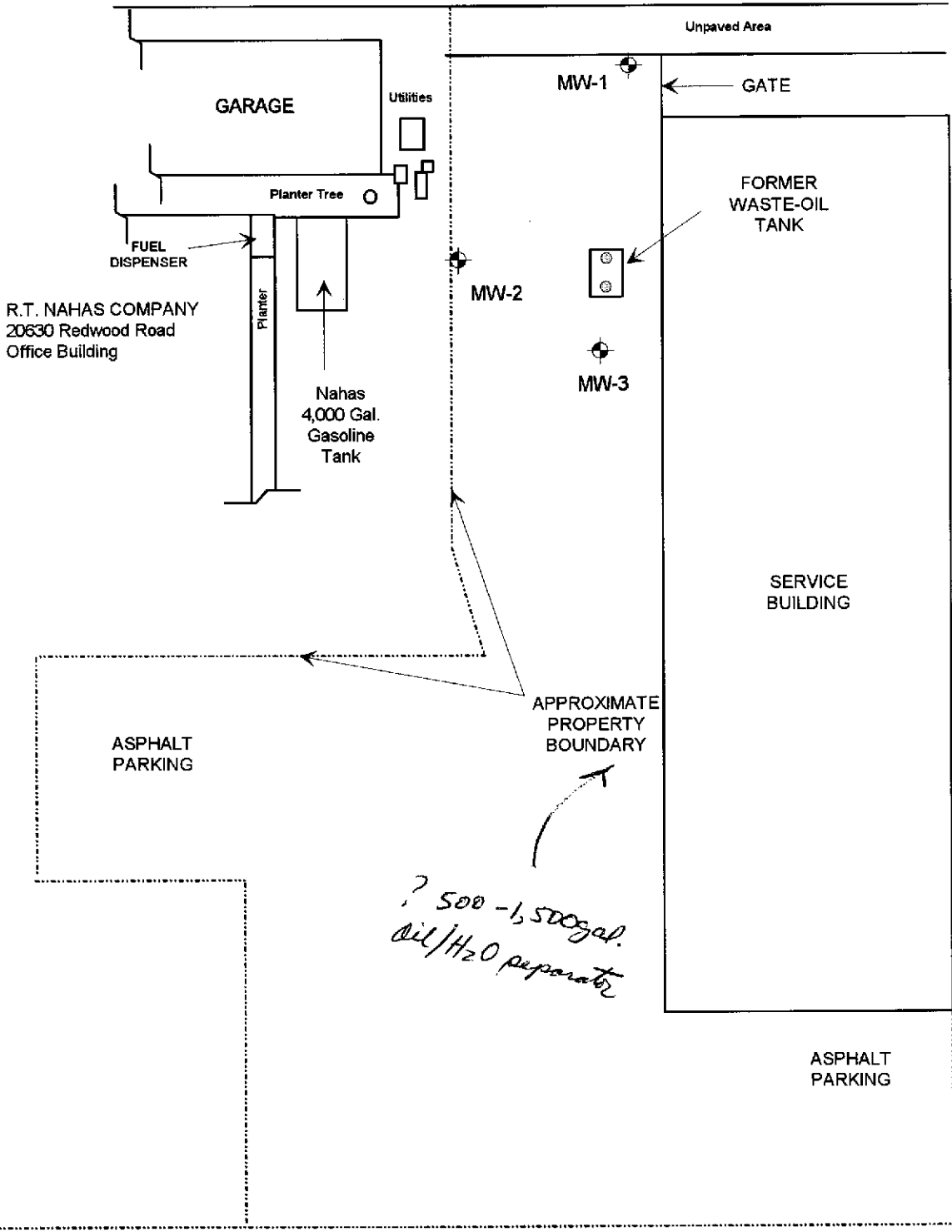
Fluoride production MW-3

8010 no peak in MW-3

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: Site Plan**
Figure 2: Groundwater Elevation Map



EXPLANATION

- SEMCO Hand Auger Sample Locations
- ⊕ Groundwater Monitoring Well

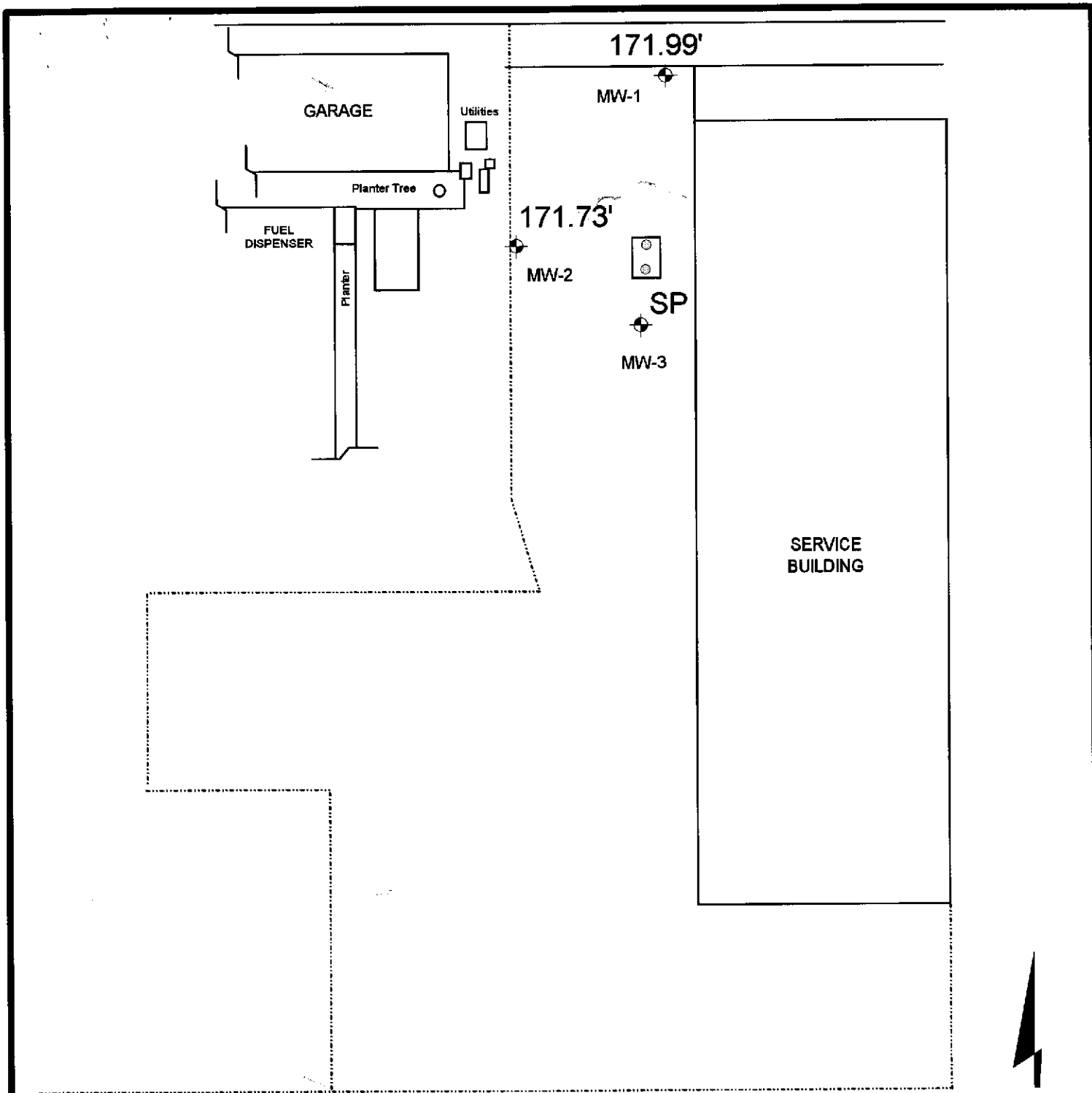
CASTRO VALLEY BOULEVARD

approximate scale is 1" : 30'



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

FIGURE
1

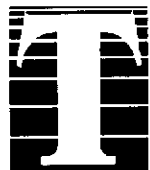


EXPLANATION

- 171.99' Groundwater elevation in feet (referenced to Mean Sea Level).
- SP Separate-phase hydrocarbons

CASTRO VALLEY BOULEVARD

approximate scale is 1" : 30'



**Touchstone
Developments**
Environmental Management

GROUNDWATER ELEVATION MAP

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

FIGURE

2

PROJECT NO.
94-14

DATE:
7/96

DRAWN BY:
WTJ

BASE MAP
GOODYEAR BLUEPRINT 10/73

APPENDIX A

**DEL TECH
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.
05/31/96



MONITORING WELL FIELD LOG

PROJECT NAME: GOODYEAR TIRE & RUBBER CO. 3430 CASTRO VALLEY BLVD. CASTRO VALLEY, CA		SAMPLE ANALYSIS PERFORMED : SEE CHAIN OF CUSTODY SAMPLE TIME: 12:02 SAMPLE CONTAINER(S): 7 CONTAINERS ANALYSIS PERFORMED BY: SEQUOIA LABS.	
CLIENT: TOUCHSTONE DEVELOPMENTS		DATE: 05/31/1996	
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: 5.18 FEET		CALCULATED PURGE VOLUME: 2.23 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	6.8	482	21.7	LT. TURBID (LT. BROWN)	NO ODOR
	2.5	6.8	477	21.8	CLEAR	"
	5.0	6.8	479	21.9	"	"
	7.5	6.9	479	21.9	"	"
	10.0	6.9	478	22.0	"	"

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: CLEAR 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 : SEE CHAIN OF CUSTODY SAMPLE TIME: 12:22 SAMPLE CONTAINER(S): 7 CONTAINERS ANALYSIS PERFORMED BY: SEQUOIA LABS.	
CLIENT: TOUCHSTONE DEVELOPMENTS		DATE: 05/31/1996	
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: 4.82 FEET		CALCULATED PURGE VOLUME: 2.19 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	6.8	515	22.1	LT. TURBID (BROWN)	NO ODOR
	2.5	6.8	500	21.8	"	"
	5.0	6.9	499	21.8	CLEAR	"
	7.5	6.8	500	21.8	"	"
	10.0	6.8	500	21.8	"	"

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: CLEAR 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

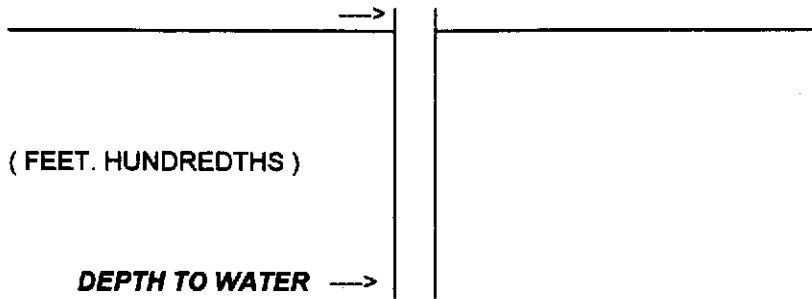
PROJECT NAME: GOODYEAR TIRE & RUBBER CO. 3430 CASTRO VALLEY BLVD. CASTRO VALLEY, CA		SAMPLE ANALYSIS PERFORMED : SAMPLE TIME: SAMPLE CONTAINER(S): CONTAINERS ANALYSIS PERFORMED BY: SEQUOIA LABS.	
CLIENT: TOUCHSTONE DEVELOPMENTS		DATE: 05/31/1996	
PROJECT MANAGER: TIM WALKER		SAMPLE LOCATION: MW-3	
SAMPLER: 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: FEET		CALCULATED PURGE VOLUME: GAL.	
DEPTH OF WELL: FEET		ACTUAL VOLUME PER PURGE: GAL.	

TIME	VOLUME gallons	pH units	E.C. umhos/cm	TEMP. Degrees C	COLOR (Visual)	OTHER
	0					
OIL	FLOATING	PRODUCT				

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:
WEATHER: CLEAR 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'		
05/31/96	5.18'	4.82'	FLOATING PRODUCT		
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>GOODYEAR TIRE</u>	SAMPLE ANALYSIS PERFORMED: <u>SEE COL.</u>
ADDRESS: <u>3430 C.V. BLVD,</u>	SAMPLE TIME: <u>1202</u>
CITY, STATE: <u>CASTRO VALLEY, CA.</u>	SAMPLE CONTAINER(S): <u>5 VIALS, 2 LITRES</u>
SITE CONTACT: _____	ANALYSIS PERFORMED BY: <u>SECON DIA</u> LABS.
CLIENT / CONSULTANT: <u>TOUCHSTONE</u>	DATE: <u>5/31</u> 199 <u>6</u>
PROJECT MANAGER: <u>TIM</u>	START TIME: (HR./MIN.) _____
SAMPLER(S): <u>DDN</u>	SAMPLE POINT I.D. / LOCATION: <u>MW-1</u>
GROUNDWATER: <input checked="" type="checkbox"/> VADOSE: <input type="checkbox"/> SURFACE: <input type="checkbox"/> OTHER: _____	PHOTO IONIZATION READING AT WELL HEAD: <u>6.0</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>5.18</u>	CALCULATED CASING VOLUME: <u>2.23</u> GALLONS
DEPTH OF WELL: (FEET) ---- <u>18.88</u>	TOTAL VOLUME PURGED: <u>10.0</u> GALLONS

TIME (HR./MIN.)	VOLUME (GALLONS)	pH (units)	E.C. (µmhos/cm) <input checked="" type="checkbox"/>	TEMP. (Degree C)	COLOR (Visual) (Turbidity / NTU's)	OTHER (Odor)
	0	6.8	482	21.7	LT. TURBID	NO ODOR
	2.5	6.8	477	21.8	CLEAR	LT. BROWN
	5.0	6.8	479	21.9	"	"
	7.5	6.9	479	21.9	"	"
	10.0	6.9	478	22.0	"	"
**** PURGE METHOD **** (CHECK OR CIRCLE ONE)						
ISCO 2' BLADDER AIR PUMP	2' GRUNDFOS PUMP (.1832)	4' GRUNDFOS PUMP (.8528 / 1.460)	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"/> 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 <input checked="" type="checkbox"/> NO ()	LOCK INSTALLED YES <input checked="" type="checkbox"/> NO () TYPE <u>DOLPHIN</u>	MONUMENT TYPE/STYLE: <u>FLUSH</u>	WELL CASING MATERIAL: <u>PVC</u>	RECHARGE: GOOD <input checked="" type="checkbox"/> FAIR () POOR ()	LOCATION: _____	WEATHER: <u>CLEAR</u> AIR TEMP: <u>WARM</u>

REMARKS:



MONITORING WELL FIELD LOG

PROJECT NAME: <u>6500 YEAR TIRE</u>	SAMPLE ANALYSIS PERFORMED: <u>TPH-6/D/BTEX OIL + GREASE / 8270</u>
ADDRESS: <u>CIV. BLVD.</u>	SAMPLE TIME: <u>1222</u>
CITY, STATE: <u>CASTRO VALLEY, CA.</u>	SAMPLE CONTAINER(S): <u>7 CONTAINERS</u>
SITE CONTACT: _____	ANALYSIS PERFORMED BY: <u>SEAMEDIA</u> LABS.
CLIENT / CONSULTANT: <u>TOUCHSTONE</u>	DATE: <u>5/31</u> 199 <u>6</u>
PROJECT MANAGER: <u>TIM</u>	START TIME: (HR./MIN.) _____
SAMPLER(S): <u>DON</u>	SAMPLE POINT I.D. / LOCATION: <u>MW-2</u>
GROUNDWATER: <input checked="" type="checkbox"/> VADOSE: <input type="checkbox"/> SURFACE: <input type="checkbox"/> OTHER: _____	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>4.82</u>	CALCULATED CASING VOLUME: <u>2.19</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. (µmhos/cm) <input checked="" type="checkbox"/> MS/mhos/cm	TEMP. (Degrees C)	COLOR (Visual) (Turbidity / NTU's)	OTHER (Odor)
	0	6.8	515	22.1	LT. TURBID	BROWN
	2.5	6.8	500	21.8	"	NO ODOR
	5.0	6.9	499	21.8	CLEAR	"
	7.5	6.8	500	21.8	"	"
	10.0	6.8	500	21.8	"	"
**** 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"/> 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 <input checked="" type="checkbox"/> NO ()	LOCK INSTALLED YES <input checked="" type="checkbox"/> NO () TYPE: <u>DOLPHIN</u>	MONUMENT TYPE/STYLE: <u>FLUSH</u>	WELL CASING MATERIAL: <u>PVC</u>	RECHARGE: GOOD <input checked="" type="checkbox"/> FAIR () POOR ()	LOCATION:	WEATHER: <u>CLEAR</u> AIR TEMP: <u>WARM</u>

REMARKS:

1-5.18

APPENDIX B

Sequoia Analytical Report and Chain-of-Custody Form



Touchstone Developments 17170 Keaton Ave. Sonoma, CA 95476 Attention: Tim Walker	Client Project ID: Qlty Monitoring 2nd Qtr. / Goodyear Tire Sample Matrix: Water Analysis Method: EPA 5030/8015/8020 First Sample #: 605-2626	Sampled: May 31, 1996 Received: May 31, 1996 Reported: Jun 20, 1996
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TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit µg/L	Sample I.D. 605-2626 MW-1 BB	Sample I.D. 605-2627 MW-1	Sample I.D. 605-2628 MW-2 BB	Sample I.D. 605-2629 MW-2	Sample I.D. 605-2630 Trip Blank
Purgeable Hydrocarbons	50	N.D.	N.D.	N.D.	N.D.	N.D.
Benzene	0.50	N.D.	N.D.	N.D.	N.D.	N.D.
Toluene	0.50	N.D.	N.D.	N.D.	N.D.	N.D.
Ethyl Benzene	0.50	N.D.	N.D.	N.D.	N.D.	N.D.
Total Xylenes	0.50	N.D.	N.D.	N.D.	N.D.	N.D.
Chromatogram Pattern:		--	--	--	--	--

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0	1.0	1.0	1.0
Date Analyzed:	06/06/96	06/06/96	06/06/96	06/06/96	06/10/96
Instrument Identification:	GCHP-2	GCHP-2	GCHP-2	GCHP-2	GCHP-2
Surrogate Recovery, %: (QC Limits = 70-130%)	103	102	103	104	100

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

SEQUOIA ANALYTICAL, ELAP #1624

Linda C. Schneider
Linda C. Schneider
Project Manager/Sacramento Laboratory





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

Client Project ID: Qlty Monitoring 2nd Qtr. / Goodyear Tire
Sample Matrix: Water
Analysis Method: EPA 3510/8015
First Sample #: 606-2627

Sampled: May 31, 1996
Received: May 31, 1996
Reported: Jun 20, 1996

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

Analyte	Reporting Limit µg/L	Sample I.D. 606-2627 MW-1	Sample I.D. 605-2629 MW-2
Extractable Hydrocarbons	50	N.D.	N.D.

Chromatogram Pattern: -- --

Quality Control Data

Report Limit Multiplication Factor:	2.0	2.0
Date Extracted:	06/06/96	06/06/96
Date Analyzed:	06/07/96	06/07/96
Instrument Identification:	GCHP-3B	GCHP-3B

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

SEQUOIA ANALYTICAL, ELAP #1624

Linda C. Schneider
Linda C. Schneider
Project Manager/Sacramento Laboratory





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

Client Project ID: Qlty Monitoring 2nd Qtr. / Goodyear Tire
Sample Descript: Water, MW-1
Analysis Method: EPA 5030/8010
Lab Number: 605-2627

Sampled: May 31, 1996
Received: May 31, 1996
Analyzed: Jun 11, 1996
Reported: Jun 20, 1996

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Reporting Limit µg/L	Sample Results µg/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	3.3
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.

Analytes reported as N.D. were not detected at or above the reporting limit.

SEQUOIA ANALYTICAL, ELAP #1624

Linda C. Schneider
Linda C. Schneider
Project Manager/Sacramento Laboratory





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

Client Project ID: Qty Monitoring 2nd Qtr. / Goodyear Tire
Sample Descript: Water, MW-2
Analysis Method: EPA 5030/8010
Lab Number: 605-2629

Sampled: May 31, 1996
Received: May 31, 1996
Analyzed: Jun 7, 1996
Reported: Jun 20, 1996

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Reporting Limit µg/L	Sample Results µg/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	2.3
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.

Analytes reported as N.D. were not detected at or above the reporting limit.

SEQUOIA ANALYTICAL, ELAP #1624

Linda C. Schneider
Linda C. Schneider
Project Manager/Sacramento Laboratory





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

Client Project ID: Qtly Monitoring 2nd Qtr. / Goodyear Tire
Sample Descript: Water, MW-1
Analysis Method: EPA 3510/8270
Lab Number: 605-2627

Sampled: May 31, 1996
Received: May 31, 1996
Extracted: Jun 7, 1996
Analyzed: Jun 7, 1996
Reported: Jun 20, 1996

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

Analyte	Reporting Limit µg/L	Sample Results µg/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.
Dibenz(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.
2,6-Dinitrotoluene.....	5.0	N.D.





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

Client Project ID: Qlty Monitoring 2nd Qtr. / Goodyear
Sample Descript: Water, MW-1
Analysis Method: EPA 3510/8270
Lab Number: 605-2627

Sampled: May 31, 1996
Received: May 31, 1996
Extracted: Jun 7, 1996
Analyzed: Jun 7, 1996
Reported: Jun 20, 1996

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

Analyte	Reporting Limit µg/L	Sample Results µg/L
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.

Analytes reported as N.D. were not detected at or above the reporting limit.

SEQUOIA ANALYTICAL, ELAP #1210

Linda C. Schneider
Linda C. Schneider
Project Manager/Sacramento Laboratory





Touchstone Developments	Client Project ID:	Qty Monitoring 2nd Qtr. / Goodyear Tire	Sampled:	May 31, 1996
17170 Keaton Ave.	Sample Descript:	Water, MW-2	Received:	May 31, 1996
Sonoma, CA 95476	Analysis Method:	EPA 3510/8270	Extracted:	Jun 7, 1996
Attention: Tim Walker	Lab Number:	605-2629	Analyzed:	Jun 7, 1996
			Reported:	Jun 20, 1996

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

Analyte	Reporting Limit µg/L	Sample Results µg/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.
Dibenz(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.
2,6-Dinitrotoluene.....	5.0	N.D.





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

Client Project ID: Qlty Monitoring 2nd Qtr. / Goodyear
Sample Descript: Water, MW-2
Analysis Method: EPA 3510/8270
Lab Number: 605-2629

Sampled: May 31, 1996
Received: May 31, 1996
Extracted: Jun 7, 1996
Analyzed: Jun 7, 1996
Reported: Jun 20, 1996

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

Analyte	Reporting Limit µg/L	Sample Results µg/L
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.

Analytes reported as N.D. were not detected at or above the reporting limit.

SEQUOIA ANALYTICAL, ELAP #1210

Linda C. Schneider
Linda C. Schneider
Project Manager/Sacramento Laboratory





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

Client Project ID: Qlty Monitoring 2nd Qtr. / Goodyear Tire
Matrix: Water

QC Sample Group 6052626-30

Reported: Jun 20, 1996

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl- Benzene	Xylenes	Diesel
	Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	V. Owens	V. Owens	V. Owens	V. Owens	C. Lee
Concentration Spiked:	10 ug/L	10 ug/L	10 ug/L	30 ug/L	300 ug/L
LCS Batch#:	LCS061096	LCS061096	LCS061096	LCS061096	LCS060696
Date Prepared:	06/10/96	06/10/96	06/10/96	06/10/96	06/06/96
Date Analyzed:	06/10/96	06/10/96	06/10/96	06/10/96	06/06/96
Instrument I.D.#:	GCHP-2	GCHP-2	GCHP-2	GCHP-2	GCHP-3B
LCS % Recovery:	92	95	99	99	93
Control Limits:	75-125	75-125	75-125	75-125	60-130

MS/MSD Batch #:	6060200	6060200	6060200	6060200	BS060696
Date Prepared:	06/10/96	06/10/96	06/10/96	06/10/96	06/06/96
Date Analyzed:	06/10/96	06/10/96	06/10/96	06/10/96	06/06/96
Instrument I.D.#:	GCHP-2	GCHP-2	GCHP-2	GCHP-2	GCHP-3B
Matrix Spike % Recovery:	99	98	100	100	93
Matrix Spike Duplicate % Recovery:	102	100	103	103	98
Relative % Difference:	3.0	2.0	3.0	3.0	5.2

SEQUOIA ANALYTICAL

Linda C. Schneider
Linda C. Schneider
Project Manager/Sacramento Laboratory

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 LCS % recovery data is used for validation of sample batch results. Due to matrix effects, the QC limits for MS/MSD's are advisory only and are not used to accept or reject batch results.





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

Client Project ID: Qlty Monitoring 2nd Qtr. / Goodyear Tire
Matrix: Water

QC Sample Group 6052626-30

Reported: Jun 20, 1996

QUALITY CONTROL DATA REPORT

ANALYTE	Ethyl-			
	Benzene	Toluene	Benzene	Xylenes
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	V. Owens	V. Owens	V. Owens	V. Owens
Concentration Spiked:	10 ug/L	10 ug/L	10 ug/L	30 ug/L
LCS Batch#:	LCS060696	LCS060696	LCS060696	LCS060696
Date Prepared:	06/06/96	06/06/96	06/06/96	06/06/96
Date Analyzed:	06/06/96	06/06/96	06/06/96	06/06/96
Instrument I.D.#:	GCHP-2	GCHP-2	GCHP-2	GCHP-2
LCS % Recovery:	94	95	98	98
Control Limits:	75-125	75-125	75-125	75-125

MS/MSD Batch #:	6052629	6052629	6052629	6052629
Date Prepared:	06/06/96	06/06/96	06/06/96	06/06/96
Date Analyzed:	06/06/96	06/06/96	06/06/96	06/06/96
Instrument I.D.#:	GCHP-2	GCHP-2	GCHP-2	GCHP-2
Matrix Spike % Recovery:	93	95	98	97
Matrix Spike Duplicate % Recovery:	91	93	96	96
Relative % Difference:	2.2	2.1	2.1	1.0

SEQUOIA ANALYTICAL

Linda C. Schneider
Linda C. Schneider
Project Manager/Sacramento Laboratory

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 LCS % recovery data is used for validation of sample batch results. Due to matrix effects, the QC limits for MS/MSD's are advisory only and are not used to accept or reject batch results.





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

Client Project ID: Qlty Monitoring 2nd Qtr. / Goodyear Tire
Matrix: Water

QC Sample Group 6052626-30

Reported: Jun 20, 1996

QUALITY CONTROL DATA REPORT

ANALYTE	Phenol	2-Chlorophenol	1,4-Dichloro-benzene	N-Nitroso-Di-N-propylamine	1,2,4-Trichloro-benzene	4-Chloro-3-Methylphenyl
Method:	EPA 8270	EPA 8270	EPA 8270	EPA 8270	EPA 8270	EPA 8270
Analyst:	B. Pitamah	B. Pitamah	B. Pitamah	B. Pitamah	B. Pitamah	B. Pitamah
Concentration Spiked:	200 ug/L	200 ug/L	200 ug/L	200 ug/L	200 ug/L	200 ug/L
LCS Batch#:	LCS060796	LCS060796	LCS060796	LCS060796	LCS060796	LCS060796
Date Prepared:	06/07/96	06/07/96	06/07/96	06/07/96	06/07/96	06/07/96
Date Analyzed:	06/10/96	06/10/96	06/10/96	06/10/96	06/10/96	06/10/96
Instrument I.D.#:	H5	H5	H5	H5	H5	H5
LCS % Recovery:	32	75	70	80	75	90
Control Limits:	5-132	42-112	42-100	53-107	43-107	42-107

MS/MSD Batch #:	N/A	N/A	N/A	N/A	N/A	N/A
Date Prepared:	N/A	N/A	N/A	N/A	N/A	N/A
Date Analyzed:	N/A	N/A	N/A	N/A	N/A	N/A
Instrument I.D.#:	N/A	N/A	N/A	N/A	N/A	N/A
Matrix Spike % Recovery:	N/A	N/A	N/A	N/A	N/A	N/A
Matrix Spike Duplicate % Recovery:	N/A	N/A	N/A	N/A	N/A	N/A
Relative % Difference:	N/A	N/A	N/A	N/A	N/A	N/A

SEQUOIA ANALYTICAL

Linda C. Schneider
Linda C. Schneider
Project Manager/Sacramento Laboratory

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 LCS % recovery data is used for validation of sample batch results. Due to matrix effects, the QC limits for MS/MSD's are advisory only and are not used to accept or reject batch results.





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

Client Project ID: Qrtly Monitoring 2nd Qtr. / Goodyear Tire
Matrix: Water

QC Sample Group 6052626-30

Reported: Jun 20, 1996

QUALITY CONTROL DATA REPORT

ANALYTE	Acenaphthene	4-Nitrophenol	24-Dinitro-toluene	Penta-chlorophenol	Pyrene
Method:	EPA 8270	EPA 8270	EPA 8270	EPA 8270	EPA 8270
Analyst:	B. Pitamah	B. Pitamah	B. Pitamah	B. Pitamah	B. Pitamah
Concentration Spiked:	200 ug/L	200 ug/L	200 ug/L	200 ug/L	200 ug/L
LCS Batch#:	LCS060796	LCS060796	LCS060796	LCS060796	LCS060796
Date Prepared:	06/07/96	06/07/96	06/07/96	06/07/96	06/07/96
Date Analyzed:	06/10/96	06/10/96	06/10/96	06/10/96	06/10/96
Instrument I.D.#:	H5	H5	H5	H5	H5
LCS % Recovery:	85	35	86	105	90
Control Limits:	43-107	10-118	32-114	17-146	32-125

MS/MSD Batch #:	N/A	N/A	N/A	N/A	N/A
Date Prepared:	N/A	N/A	N/A	N/A	N/A
Date Analyzed:	N/A	N/A	N/A	N/A	N/A
Instrument I.D.#:	N/A	N/A	N/A	N/A	N/A
Matrix Spike % Recovery:	N/A	N/A	N/A	N/A	N/A
Matrix Spike Duplicate % Recovery:	N/A	N/A	N/A	N/A	N/A
Relative % Difference:	N/A	N/A	N/A	N/A	N/A

SEQUOIA ANALYTICAL

Linda C. Schneider
Linda C. Schneider
Project Manager/Sacramento Laboratory

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 LCS % recovery data is used for validation of sample batch results. Due to matrix effects, the QC limits for MS/MSD's are advisory only and are not used to accept or reject batch results.





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

Client Project ID: Qily Monitoring 2nd Qtr. / Goodyear Tire
Matrix: Water

QC Sample Group 6052626-30

Reported: Jun 20, 1996

QUALITY CONTROL DATA REPORT

ANALYTE	1,1-Dichloro-ethane	Trichloro-ethene	Chloro-benzene	1,1-Dichloro-ethane	Trichloro-ethene	Chloro-benzene
Method:	EPA 8010	EPA 8010	EPA 8010	EPA 8010	EPA 8010	EPA 8010
Analyst:	K. Pocan	K. Pocan	K. Pocan	K. Pocan	K. Pocan	K. Pocan
Concentration Spiked:	10 ug/L	10 ug/L	10 ug/L	10 ug/L	10 ug/L	10 ug/L
LCS Batch#:	LCS060796	LCS060796	LCS060796	LCS052996	LCS052996	LCS052996
Date Prepared:	06/07/96	06/07/96	06/07/96	06/11/96	06/11/96	06/11/96
Date Analyzed:	06/07/96	06/07/96	06/07/96	06/11/96	06/11/96	06/11/96
Instrument I.D.#:	GC6	GC6	GC6	GC5	GC5	GC5
LCS % Recovery:	124	121	110	96	95	93
Control Limits:	70-130	70-130	70-130	70-130	70-130	70-130

MS/MSD Batch #:	6060126	6060126	6060126	6052375	6052375	6052375
Date Prepared:	06/07/96	06/07/96	06/07/96	06/05/96	06/05/96	06/05/96
Date Analyzed:	06/07/96	06/07/96	06/07/96	06/05/96	06/05/96	06/05/96
Instrument I.D.#:	GC6	GC6	GC6	GC5	GC5	GC5
Matrix Spike % Recovery:	110	96	107	106	112	78
Matrix Spike Duplicate % Recovery:	86	73	93	107	134	84
Relative % Difference:	24	27	14	0.94	18	7.4

Please Note:

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SEQUOIA ANALYTICAL

Linda C. Schneider
Linda C. Schneider
Project Manager/Sacramento Laboratory





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

(PLEASE PRINT)

SAMPLE CHAIN OF CUSTODY RECORD

Lab. Analysis by : SEQUOIA
 LAB. INVOICE TO : TRUCHSTONE DEVELOP.
 PH. # (707) 9358601 / TIM WALKER
 P.O. # / INVOICE.#

CLIENT / CONSULTANT: _____

RECORD 1 OF 1

PROJECT / SITE NAME: <u>QUARTERLY MONITORING / GROUNDWATER TYPE</u>						ANALYSIS REQUESTED (ITEMIZED AND CHECKED BELOW)							SITE SAMPLE MAP (NOT TO SCALE)		
STREET: <u>3430 CASTRO VALLEY CASTRO BLVD.</u> CITY: <u>VALLEY</u> STATE: <u>CA.</u>						TPHG - Gasoline (8015 Mod.)	TPHD - Diesel (8015 Mod.)	TPRH - TOTAL RECOVERABLE PETROLEUM HYDROCARBONS	B.T.X.E. (8020)	8010 HALOGENATED	8240 - PURGABLE ORGANICS	8270 - EXTRACTABLE ORGANICS	TTL METALS - SEE REMARKS		
SAMPLER: <u>ION LIGHT</u> (PRINTED SIGNATURE)			SHIP VIA: <u>DELTECH</u> WAYBILL #											REMARKS / * SPECIAL INSTRUCTIONS BELOW	
SAMPLE LOCATION (IDENTIFICATION)	DATE MTH/DAY/YR.	TIME HOUR / MIN.	NUMBER OF CONTAINERS	TYPE (GRAB OR COMPOSITE)	SAMPLE MATRIX										
1) MW-1 BB	5/31/96	1200	1	GRAB	WATER	X	X	X	X	X	X	X	X	sludge in BB = BUTLER BANK (1/1/96)	
2) MW-1		1202												5605-2627	
3) MW-2 BB		1220	1											-2628	
4) MW-2	RL	1222												-2629	
5) TRIP BLANK		0700	1	DL	DL	DL	DL	DL	DL	DL	DL	DL	DL	-2630	
6)															
7)															
8)															
9)															
10)															

RELINQUISHED BY: <u>Jon Light</u>	DATE / TIME: <u>5/31/96 1410</u>	RECEIVED BY: <u>Andria Light</u>	DATE / TIME: <u>5-31-96 1410</u>	** SAMPLE INTEGRITY / CONDITION & TURNAROUND TIME ** RECEIVED COLD & INTACT / YES <input checked="" type="checkbox"/> NO () PRESERVATIVES USED <u>HEX</u> YES <input checked="" type="checkbox"/> NO () CUSTODY SEALS INTACT / YES () NO () N/A <input checked="" type="checkbox"/> AIR BUBBLES IN V.O.A.'S / YES () NO () LINE # _____ TURN AROUND TIME: CHECK ONE 24 - HOUR () 48 - HOUR () 5 - DAY () 10 - DAY <input checked="" type="checkbox"/>
RELINQUISHED BY: <u>Andria Light</u>	DATE / TIME: <u>5-31-96 1600</u>	RECEIVED BY: <u>John Yowell / sequoia</u>	DATE / TIME: <u>5/31/96 1600</u>	
RELINQUISHED BY: <u>John Yowell / sequoia</u>	DATE / TIME: <u>5/31/96 1655</u>	RECEIVED BY LABORATORY: <u>Janice Hanson</u>	DATE / TIME: <u>5/31/96 1655</u>	

NOTE: LABORATORY SAMPLE ARCHIVING WILL BE 30 DAYS FROM THE DATE SAMPLE WAS COLLECTED, UNLESS OTHER ARRANGEMENTS ARE MADE.
 PLEASE RETURN DEL-TECH'S ICE CHEST AND BLUE ICE AS SOON AS POSSIBLE. THANK YOU

DEL-TECH FORM C.O.C.

Pink - Field Copy / White & Yellow - To Laboratory with Samples / Yellow - Return to Client with Results



**Touchstone
Developments**
Environmental Management

ENVIRONMENTAL
PROTECTION

95 AUG 19 PM 2:21

LETTER OF TRANSMITTAL

DATE 8/8/96

From: TIM WALKER

Project No: 9414

To: Ms. Amy Leach

SUBJECT:

Quarterly Report

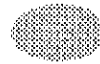
Alameda Co. Dept. of Environmental Health
1131 Harbor Bay Parkway
Alameda, California 94502

**Goodyear Service Center No. 9578
3430 Castro Valley Boulevard
Castro Valley, California**

The following items are:



Enclosed



Sent Separately

via _____

Date

Description

of Copies

8/2/96

Final 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

Sincerely,

signed