OHM Remediation
Services Corp.
A Subsidiary of OHM Corporation

April 13, 1995

Ms. Juliet Shin
Alameda County Health Care Services
1131 Harbor Bay Parkway
Alameda, CA 94502

FIRST QUARTER GROUNDWATER MONITORING REPORT
Goodyear Tire Center
431 San Pablo Avenue, Albany, CA

Dear Ms. Shin:

On behalf of Goodyear Tire and Rubber Company, OHM Remediation Services Corp. (OHM) submits the following report of groundwater monitoring for the First Quarter (January through March) of 1995 at the Goodyear Tire Center in Albany, California. This report presents hydrogeological and analytical data for samples collected from the present well network on January 25, 1995.

If you have any questions concerning this report or other activities at the site, please contact me at (510) 227-1105 x417.

Sincerely,
OHM Remediation Services Corp.

Tracy L. Walker

Tracy Walker
Project Geologist

pc: Walter Inglhofer, Goodyear
Joe Smerglia, Goodyear
R. Falaschi, Falaschi Construction

Attachments:

5731 W. Las Positas Blvd. ■ Pleasanton, CA 94588 ■ 510-227-1100 ■ FAX: 510-227-0307

RESULTS OF QUARTERLY GROUNDWATER MONITORING PROGRAM FIRST QUARTER 1995

Goodyear Tire Center
431 San Pablo Avenue
Albany California

▼

Prepared for:

Goodyear Tire and Rubber Company
Akron, Ohio

▼

Prepared by:

OHM REMEDIATION SERVICES CORP.
5731 West Las Positas Boulevard
Pleasanton, California 94588

▼

Approved by:

Scott Rice
California Registered Geologist 6030

OHM Project No. 15422 April 1995

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TABLES, FIGURES AND APPENDICES

1.0 INTRODUCTION

This report presents the results of the First Quarter 1995 groundwater monitoring event conducted at 431 San Pablo Avenue in Albany, California (Figure 1). This monitoring event is a continuation of a quarterly groundwater monitoring program at the site as requested by the Alameda County Health Care Services Agency (ACHCS) in a letter dated October 21, 1993. The quarterly monitoring program complies with Regional Water Quality Control Board (RWQCB) requirements regarding underground fuel tank investigations.

During this monitoring event, groundwater samples were collected from each of the three wells (MW-1, MW-2, and MW-3) in the monitor well network. Each groundwater sample was submitted to a California-certified laboratory for analysis of total petroleum hydrocarbons as gasoline and diesel (TPHG and TPHD; modified EPA Method 8015), benzene, toluene, ethylbenzene, and total xylenes (BTEX; EPA Method 8020), oil and grease (standard method 5570 B & F), and total chromium (EPA method 6010).

2.0 GROUNDWATER ELEVATIONS

As part of the quarterly groundwater monitoring program, groundwater elevations were measured in each of the three wells. During the water-level survey, the wells were measured for depth to water and total depth. Depth-to-water measurements were recorded to the nearest 0.01 foot and total depth measurements were recorded to the nearest 0.1 foot to facilitate purge volume calculations. The purpose of the groundwater level survey is to determine groundwater flow direction and gradient and assess seasonal variations in groundwater levels across the site.

Water level data was collected for the First Quarter of 1995 on January 25 in order to define the gradient and direction of groundwater flow within the shallow confined aquifer. Measured water levels, which represent the potentiometric surface of the aquifer, show a consistent groundwater flow direction toward the north-northwest at a gradient of 0.041. Monthly water level data are summarized in Table 1 and potentiometric surface contours are shown on Figure 1.

3.0 SAMPLING METHODOLOGY

OHM's sampling and analysis procedures for water-quality monitoring are designed to provide consistent and reproducible results and ensure that the objectives of the monitoring program are met. Groundwater samples were collected from the three existing monitoring wells in accordance with established procedures and practices as defined by EPA (SW-846) and the California LUFT Manual.

Prior to sampling, each well was purged of a minimum of three well volumes with a disposable polyethylene bailer. During the purging operation, the parameters of pH, temperature, conductivity, and turbidity were monitored after each well volume was removed. The wells were allowed to recover to a level sufficient for sampling,

and groundwater samples were collected. Groundwater sampling field data sheets are presented in Appendix A.

Groundwater samples from each monitoring well were collected using a disposable polyethylene bailer with a bottom emptying valve. Each sample was collected in 40-ml VOA vials with Teflon septums to assure zero head space. The samples were collected in duplicate and properly identified using a waterproof marker on adhesive labels placed on each sample vial. Samples were carefully placed on ice in a sturdy plastic cooler for delivery to the California-certified laboratory under proper chain-of-custody documentation. All non-disposable equipment and materials used during field procedures were thoroughly decontaminated prior to and after use.

One groundwater sample from each well was analyzed for total petroleum hydrocarbons as gasoline and diesel (TPHG and TPHD; modified EPA Method 8015), benzene, toluene, ethylbenzene, and total xylenes (BTEX; EPA Method 8020), oil and grease (standard method 5570 B & F), and total chromium (EPA method 6010).

4.0 RESULTS OF LABORATORY ANALYSES

A summary of the laboratory analytical results for the First Quarter 1995 monitoring event are presented in Tables 2 and 3. The laboratory reports for the groundwater samples and quality assurance samples, the QA/QC data report and the chain-of-custody forms are included in Appendix B.

TPHG, TPHD, and BTEX were not detected in the three monitor wells at concentrations above the minimum detection limit of the analytical method.

Wells MW-1 and MW-2 did not contain concentrations of oil and grease above the minimum detection limit (1,000 µg/L). Well MW-3 contained oil and grease at a concentration of 1,200 µg/L. Oil and grease detected in MW-3 at a concentration just above the detection limit is most likely attributed to either contamination in the laboratory or errors associated with weighing microgram quantities. The gas chromatograph (GC) analysis for MW-3 does not indicate the presence of identifiable hydrocarbons above the minimum detection limit (50 µg/L) in the diesel or motor oil range. The absence of hydrocarbons in the diesel or motor oil range indicates that the small detectable amount of oil and grease detected in MW-3 is most likely laboratory contamination, not petroleum hydrocarbons.

Four metals (cadmium, lead, nickel and zinc) were eliminated from the quarterly monitoring program in accordance with the analytical requirements outlined in a letter from ACHCS dated November 22, 1994. Low, but detectable levels of chromium were detected in each of the wells at concentrations ranging from 10 to 100 µg/L.

Total Cr MCL = 100ppb

5.0 QUALITY ASSURANCE/QUALITY CONTROL

During the First Quarter 1995 monitoring phase, quality assurance/quality control consisted of laboratory QA/QC measures including analysis of matrix spike and matrix spike duplicate samples.

In addition to analytical QA/QC procedures, field monitoring equipment (pH, specific conductance, temperature meter, etc.) was calibrated on the date of sampling to ensure collection of accurate field parameters. All samples were collected with pre-cleaned disposable polyethylene bailers.

6.0 CONCLUSIONS

Based on data collected from the first three sampling events, the following summary and conclusions are made with respect to groundwater monitoring.

- The potentiometric surface measured during the First Quarter of 1995 shows a consistent groundwater flow direction to the north-northwest at a gradient of 0.041.
- TPHG, TPHD, and BTEX were not detected in any of the three wells sampled at concentrations above the method detection limit.
- MW-1 and MW-2 did not contain oil and grease at concentrations above the method detection limit. The results for MW-3 indicate the presence of oil and grease at a concentration only slightly higher than the minimum detection limit (1.000 µg/L). The presence of oil and grease in MW-3 is most likely attributed to laboratory contamination.
- Each of the three wells contained low levels of total chromium.

TABLES

TABLE 1
GROUNDWATER ELEVATION (feet)

WELL ID	MEASURING POINT ELEVATION (feet)	6-Sep-94	4-Oct-94	22-Nov-94	14-Dec-94							
MW-1	22.10	15.78	14.85	16.35	17.39							
MW-2	22.38	15.25	15.18	16.56	17.07							
MW-3	22.33	13.58	13.4	14.48	13.73							

Notes:

1) Measuring points are top of PVC casing.
2) Groundwater elevations shown in feet above Mean Sea Level, relative to City of Albany benchmark
3) • = Not Measured

TABLE 2
SUMMARY OF GROUNDWATER ANALYSES
PETROLEUM HYDROCARBONS

WELL ID	CONSTITUENT ug/L	Date Sampled							
		7-Sep-94	22-Nov-94	25-Jan-95					
MW-1	TPH-G	<50	<50	<50					
	TPH-D	80.0	<50	<50					
	Oil & Grease	<1000	<1000	<1000					
	Benzene	<0.5	<0.5	<0.5					
	Toluene	<0.5	<0.5	<0.5					
	Ethylbenzene	<0.5	<0.5	<0.5					
	Total Xylenes	<0.5	<0.5	<0.5					
MW-2	TPH-G	<50	<50	<50					
	TPH-D	<50	<50	<50					
	Oil & Grease	<1000	1200.0	<1000					
	Benzene	<0.5	<0.5	<0.5					
	Toluene	<0.5	<0.5	<0.5					
	Ethylbenzene	1.1	<0.5	<0.5					
	Total Xylenes	1.5	<0.5	<0.5					
MW-3	TPH-G	<50	<50	<50					
	TPH-D	<50	<50	<50					
	Oil & Grease	<1000	1500.0	1200.0					
	Benzene	<0.5	<0.5	<0.5					
	Toluene	<0.5	<0.5	<0.5					
	Ethylbenzene	<0.5	<0.5	<0.5					
	Total Xylenes	<0.5	<0.5	<0.5					

Notes:

(1) Concentrations of TPH (Oil & Grease) dectected by method 5520 are close to the detectior limit and therefore considered negligible.

(2) < - not detected at concentrations exceeding mimimum detection limit

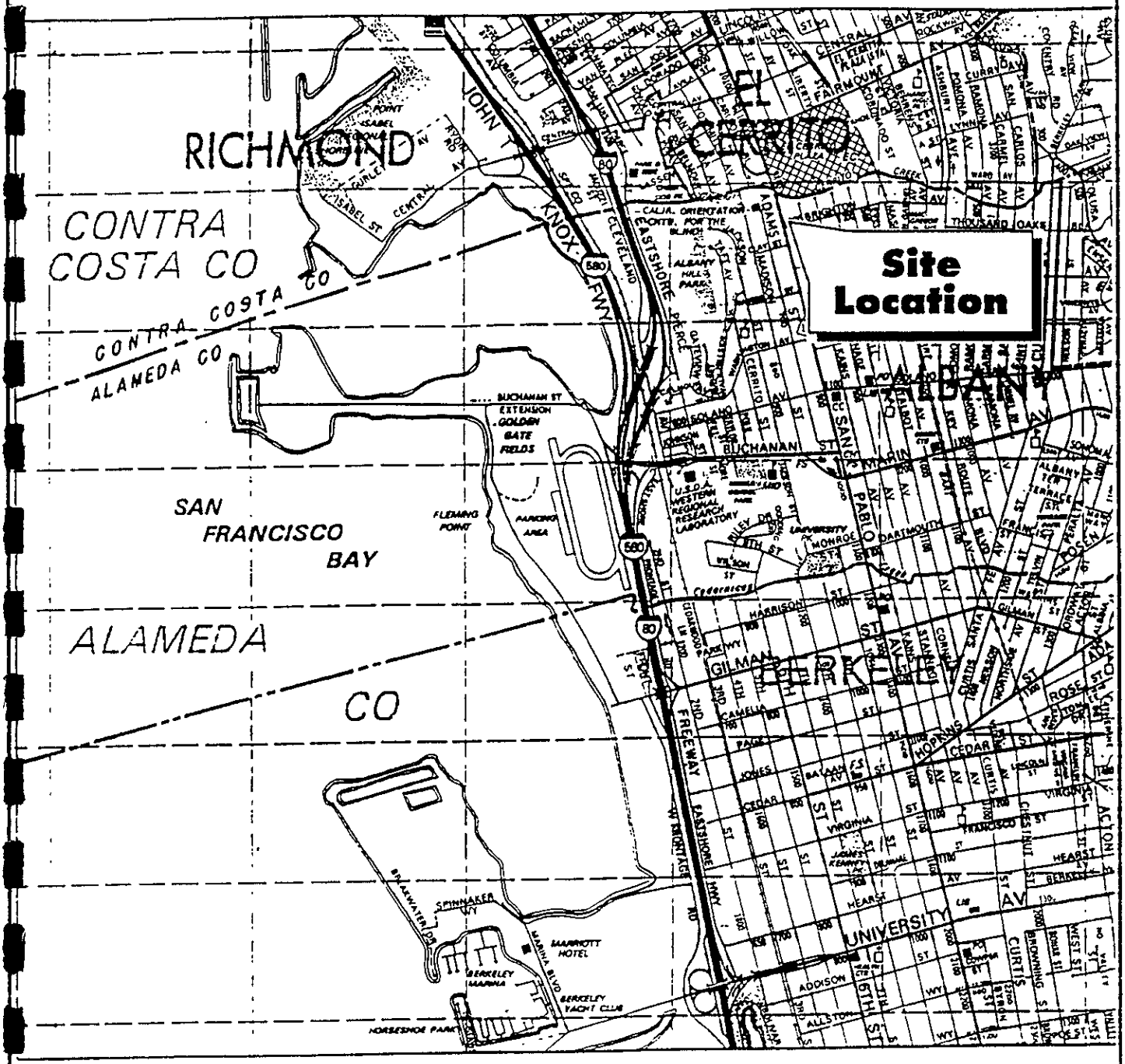
TABLE 3
SUMMARY OF GROUNDWATER ANALYSES
TOTAL METALS

WELL ID	CONSTITUENT ug/L	Date Sampled							
		7-Sep-94	22-Nov-94	25-Jan-95					
MW-1	Cadmium	<1	<1	•					
	Chromium	150.0	<10	10.0					
	Lead	<10	<10	•					
	Nickel	340.0	<10	•					
	Zinc	130.0	<10	•					
MW-2	Cadmium	<1	1.0	•					
	Chromium	110.0	<10	100.0					
	Lead	<10	<10	•					
	Nickel	180.0	<10	•					
	Zinc	120.0	<10	•					
MW-3	Cadmium	<1	<1	•					
	Chromium	20.0	<10	50.0					
	Lead	<10	<10	•					
	Nickel	<10	<10	•					
	Zinc	40.0	30.0	•					

Notes:

(1) < - not detected at concentrations exceeding mimimum detection limit
(2) Metal analysis results are for Total Metals
(3) "•" denotes parameter not analyzed.

FIGURES



OHM
Remediation Services Corp.
Walnut Creek, CA

SITE LOCATION

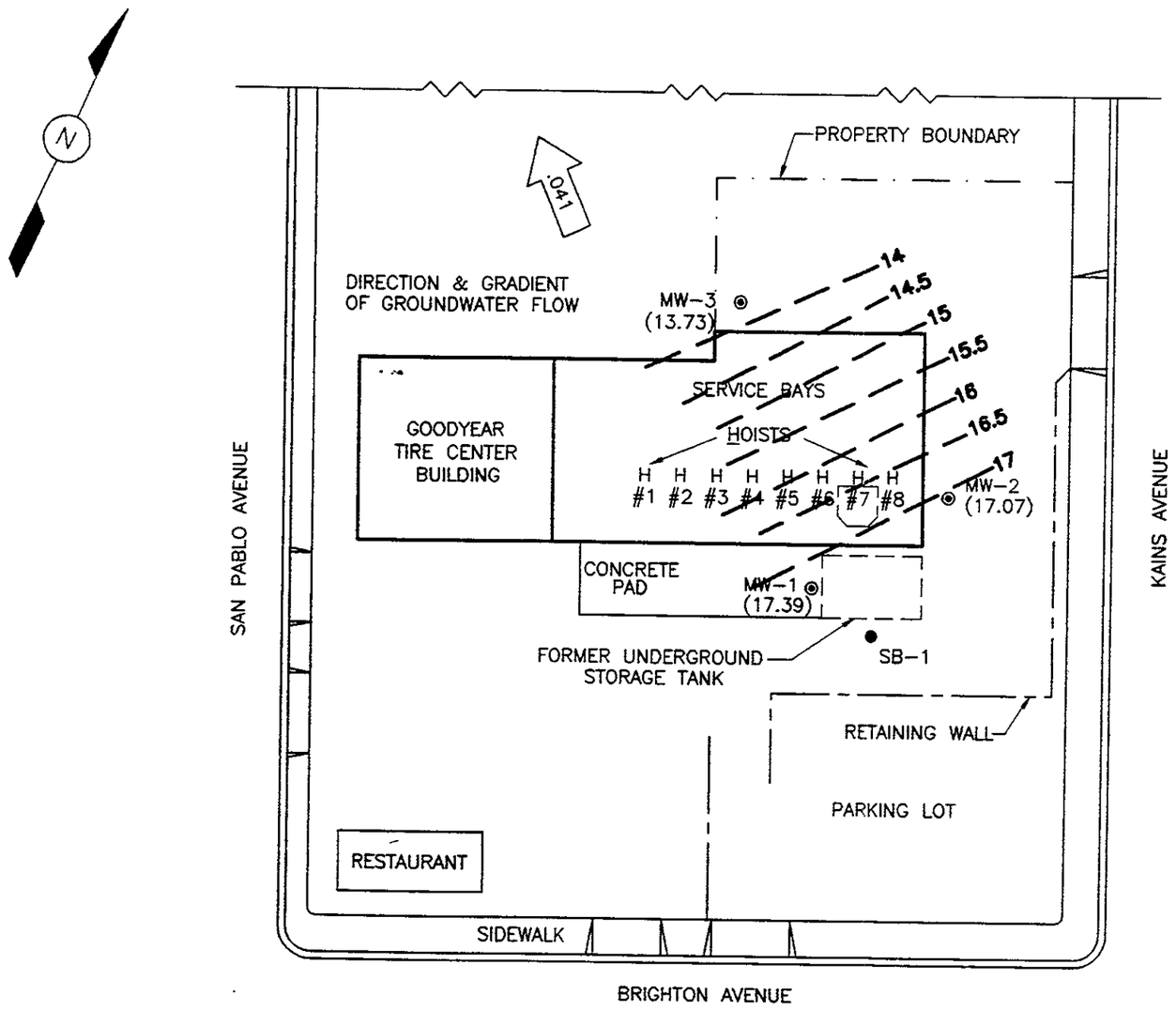
GOODYEAR TIRE CENTER

431 San Pablo Avenue
Albany, California

Figure 1

DWG. NO.	DRAWN BY	APPROVED BY	PRO NO. 15422
FIGURE NO.	DESIGN BY	DATE DRAWN	SHEET 1 OF 1

OHM PROJECT & DRAWING No. 15422 FIG 2



LEGEND

- ⊙ GROUNDWAER MONITOR WELL
- ● SOIL BORING
- - - - LIMITS OF EXCAVATION
- (17.39) MEASURED GROUNDWATER ELEVATION (FT. MSL)
- — — POTENTIOMETRIC SURFACE CONTOUR

0 20 40

SCALE

R0 0 0:28 39 2/20/95 9:16:15 C:\PROJECTS\15422\5422F2Q1

PLOT SCALE 1=40

OHM Remediation Services Corp.
PLEASANTON, CA

POTENTIOMETRIC SURFACE DATA
FIRST QUARTER, 1995
GOODYEAR TIRE CENTER
ALBANY, CALIFORNIA

DRAWN BY	DATE
A SJAREZ	2/20/95
CHKD BY	APPD BY
SCALE 1"=40'	TITLE

PROJECT	OHM PROJECT No.	DRAWING No.	SHEET	OF	REVISED
GOODYEAR	15422	FIG 2	1	1	0

APPENDIX A
GROUNDWATER SAMPLING FIELD DATA SHEETS

WELL SAMPLING LOG

PROJECT INFORMATION:

PROJECT NUMBER: 15422
PROJECT NAME: GOODYEAR
PROJECT LOCATION: ALBANY, CA.

WELL ID: MW-1
DATE: 1-25-95

WELL MEASUREMENT:

Depth to Bottom (DB)	12.74	ft.
Depth to Water (DTW)	3.34	ft.
Height of Water Column (H) = DB-DTW	9.4	ft.
Casing Volumn (CV) = ID *mult* x H	1.5	gal.
Purge Volume (3 x CV)	4.5	gal.
Point of Measurement:		

2 inch ID *mult* = 0.16 gal./ft.
4 inch ID *mult* = 0.65gal./ft.
6 inch ID *mult* = 1.47gal./ft.
8 inch ID *mult* = 2.61gal./ft.

PURGE DATA:

Time	0951	0957	1004		
pH	7.66	7.41	7.22		
Temp (F)	59.0	60.5	61.1		
Conductivity (us) X 100	12.85	9.98	9.68		
Turbidity (NTU) X 0.200	149.2	146.0	135.1		
Dissolved Oxygen (ppm)	—	—	—		
Odor	NONE	NONE	NONE		
Volume Purged	1.5	3.0	4.5		

SAMPLING INFORMATION:

Sample Number	MW-1
Sample Date/Time	1-25-95 - 1035
Sampler ID	DR
Witness ID	—
Weather Condition	CLOUDY-COOL
Sample Collection Method	DISPOSIBLE TEFLON BAILER
Volume Collected	4X1L-9X250ml-3X40ml VOA

COMMENTS:

Form completed by: [signature]

Date: 1-25-95

WELL SAMPLING LOG

PROJECT INFORMATION:

PROJECT NUMBER: 15422
PROJECT NAME: GOODYEAR
PROJECT LOCATION: ALBANY, CA

WELL ID: MW-2
DATE: 1-25-95

WELL MEASUREMENT:

Depth to Bottom (DB)	12.6	ft.
Depth to Water (DTW)	4.36	ft.
Height of Water Column (H) = DB-DTW	8.2	ft.
Casing Volumn (CV) = ID *mult* x H	1.3	gal.
Purge Volume (3 x CV)	4.0	gal.
Point of Measurement:		

2 inch ID *mult* = 0.16 gal./ft.
4 inch ID *mult* = 0.65gal./ft.
6 inch ID *mult* = 1.47gal./ft.
8 inch ID *mult* = 2.61gal./ft.

PURGE DATA:

Time	1115	1122	1127		
pH	7.22	7.13	6.96		
Temp (F)	64.2	65.5	65.7		
Conductivity (us) X100	7.26	6.92	6.85		
Turbidity (NTU) 0 - 200	132.8	169.1	7200		
Dissolved Oxygen (ppm)	—	—	—		
Odor	NONE	NONE	NONE		
Volume Purged ~~mL~~ GAL	1.3	2.6	4.0		

SAMPLING INFORMATION:

Sample Number	MW-2
Sample Date/Time	1-25-95 — 1150
Sampler ID	BR
Witness ID	—
Weather Condition	CLOUDY - COOL
Sample Collection Method	DISPOSIBLE TEFION BAILER
Volume Collected	4X1L - 1X250 ml - 3X40 ml VOA

COMMENTS:

Form completed by: [signature] Date: 1-25-95

WELL SAMPLING LOG

PROJECT INFORMATION:

PROJECT NUMBER: 15422
PROJECT NAME: GOODYEAR
PROJECT LOCATION: ALBANY, CA

WELL ID: MW-3
DATE: 1-25-95

WELL MEASUREMENT:

Depth to Bottom (DB)	20.0	ft.
Depth to Water (DTW)	7.06	ft.
Height of Water Column (H) = DB-DTW	13.0	ft.
Casing Volumn (CV) = ID *mult* x H	2.08	gal.
Purge Volume (3 x CV)	6.2	gal.
Point of Measurement:		

(2 inch) ID *mult* = 0.16 gal./ft.
4 inch ID *mult* = 0.65gal./ft.
6 inch ID *mult* = 1.47gal./ft.
8 inch ID *mult* = 2.61gal./ft.

PURGE DATA:

Time	1208	1215	1222	1222	
pH	6.48	6.53	6.55	6.55	
Temp (F)	68.2	68.17	68.17	68.17	
Conductivity (us) X 100	6.29	6.25	6.15	6.15	
Turbidity (NTU) 0 - 200	44.5	88.4	86.5	86.5	
Dissolved Oxygen (ppm)	—	—	—	—	
Odor	NONE	NONE	NONE	NONE	
Volume Purged	2.08	4.1	6.2	6.2	

SAMPLING INFORMATION:

Sample Number	MW-3
Sample Date/Time	1-25-95 - 1245
Sampler ID	BR
Witness ID	—
Weather Condition	SUNNY - COOL
Sample Collection Method	DISPOSIBLER TEFLON BAILER
Volume Collected	4X1L - 1X250ML - 3X40 ML VOA

COMMENTS:

Form completed by: [signature]

Date: 1-25-95

APPENDIX B

CERTIFIED LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTATION

CHROMALAB, INC.
Environmental Services (SDB)

February 3, 1995

Submission #: 9501218

OHM CORPORATION-PLEASANTON
1990 N. California Blvd., Suite 400
Walnut Creek, CA 94596

Attn: Tracy Walker
RE: Analysis for project GOOD YEAR, number 15422.

REPORTING INFORMATION

Samples were received cold and in good condition on 01/25/95. They were refrigerated upon receipt and analyzed as described in the attached report. ChromaLab followed EPA or equivalent methods for all testing reported.

No discrepancies were observed or difficulties encountered with the testing.

SAMPLES TESTED IN THIS REPORT

Client Sample ID	Matrix	Date collected	Sample #
MW-3	WATER	January 25, 1995	75920
MW-1	WATER	January 25, 1995	75921
MW-2	WATER	January 25, 1995	75922
TRIP BLANK	WATER	January 25, 1995	75923

Jill Thomas
Quality Assurance Manager

Eric Tam
Laboratory Director

1220 Quarry Lane • Pleasanton, California 94566-4756
(510) 484-1919 • Facsimile (510) 484-1096
Federal ID #68-0140157

RUDO 10:08:23 OCCOVER

CHROMALAB, INC.

Environmental Services (SDB)

February 1, 1995

Submission #: 9501218

OHM CORPORATION-PLEASANTON

Atten: Tracy Walker

Project: GOOD YEAR

Project#: 15422

Received: January 25, 1995

re: One sample for Metals analysis.

Sample ID: **MW-1**
Spl#: 75921
Sampled: January 25, 1995
Method: EPA 3010A M/6010

Matrix: WATER
Run#: 5206

Extracted: January 26, 1995
Analyzed: January 30, 1995

ANALYTE	RESULT (mg/L)	REPORTING LIMIT (mg/L)	BLANK RESULT (mg/L)	BLANK SPIKE RESULT (%)
CHROMIUM	0.01	0.01	N.D.	100

Charles Woolley
Chemist

John S. Nabash
Inorganic Supervisor

QC CHARLES 07:51:05

2239 Omega Road,#1 • San Ramon, California 94583
(510) 831-1788 • Facsimile (510) 831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

February 1, 1995

Submission #: 9501218

OHM CORPORATION-PLEASANTON

Atten: Tracy Walker

Project: GOOD YEAR

Project#: 15422

Received: January 25, 1995

re: One sample for Metals analysis.

Sample ID: **MW-2**
Spl#: 75922
Sampled: January 25, 1995
Method: EPA 3010A M/6010

Matrix: WATER
Run#: 5206

Extracted: January 26, 1995
Analyzed: January 30, 1995

ANALYTE	RESULT (mg/L)	REPORTING LIMIT (mg/L)	BLANK RESULT (mg/L)	BLANK SPIKE RESULT (%)
CHROMIUM	0.10	0.01	N.D.	100

Charles Woolley
Chemist

John S. Labash
Inorganic Supervisor

QC CHARLES 07:51:05

2239 Omega Road,#1 • San Ramon, California 94583
(510) 831-1788 • Facsimile (510) 831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

February 1, 1995

Submission #: 9501218

OHM CORPORATION-PLEASANTON

Atten: Tracy Walker

Project: GOOD YEAR
Received: January 25, 1995

Project#: 15422

re: One sample for Metals analysis.

Sample ID: **MW-3**
Spl#: 75920
Sampled: January 25, 1995
Method: EPA 3010A M/6010

Matrix: WATER
Run#: 5206

Extracted: January 26,
Analyzed: January 30,

ANALYTE	RESULT (mg/L)	REPORTING LIMIT (mg/L)	BLANK RESULT (mg/L)	BLANK SPII RESULT (%)
CHROMIUM	0.05	0.01	N.D.	100

Charles Woolley
Chemist

John S. Labash
Inorganic Supervisor

2239 Omega Road,#1 • San Ramon, California 94583
(510) 831-1788 • Facsimile (510) 831-8798
Federal ID #68-0140157

QC CHARLES

RPORATION-PLEASANTON

Atten: Tracy Walker

Project: GOOD YEAR

Received: January 25, 1995

re: **Matrix spike** report for Metals analysis.

Matrix: WATER

Lab Run#: 5206

Method: EPA 3010A M/6010

Instrument: METALS/EXT-C

Project

Extra
Analy

Analyte	Spiked Sample Result	Spike Amt	% Spike Rec
CHROMIUM	N.D. mg/L	0.50 mg/L	96.5

Sample Spiked: 75876

Submission #: 9501215

Client Sample ID: 2401

1220 Quarry Lane • Pleasanton, California 94566-4756
(510) 484-1919 • Facsimile (510) 484-1096
Federal ID #68-0140157

Environmental Services (SDB)

January 31, 1995

OHM CORPORATION-PLEASANTON

Submission #: 950

Atten: Tracy Walker

Project: GOOD YEAR
Received: January 25, 1995

Project#: 15422

re: 3 samples for Gasoline and BTEX analysis.

Sampled: January 25, 1995
Method: EPA 5030/8015M/602/8020

Matrix: WATER
Run#: 5232

Analyzed: January 3(

Spl #	CLIENT SMPL ID	Gasoline (mg/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl Benzene (ug/L)
75920	MW-3	N.D.	N.D.	N.D.	N.D.
75921	MW-1	N.D.	N.D.	N.D.	N.D.
75922	MW-2	N.D.	N.D.	N.D.	N.D.
	Reporting Limits	0.05	0.5	0.5	0.5
	Blank Result	N.D.	N.D.	N.D.	N.D.
	Blank Spike Result (%)	105	106	105	102

Billy Thach
Chemist

Ali Kharrazi
Organic Manager

1220 Quarry Lane • Pleasanton, California 94566-4756
(510) 484-1919 • Facsimile (510) 484-1096
Federal ID #68-0140157

QC JACK 14-05

CHROMALAB, INC.

Environmental Services (SDB)

February 3, 1995 *Submission #:* 9501218

HM CORPORATION-PLEASANTON

Atten: Tracy Walker

Project: GOOD YEAR *Project#:* 15422
Received: January 25, 1995

re: **Matrix spike** report for Gasoline and BTEX analysis.

Matrix: WATER
Lab Run#: 5232 *Instrument:* GC1-1 *Analyzed:* January 30, 1995
Method: EPA 5030/8015M/602/8020

Analyte	Spiked Sample Result	Spike Amt	% Spike Rec	Dup Spike Rec	Control Limits	% RPD	% RPD Lim
GASOLINE	N.D. mg/L	1.0 mg/L	105	--	80-118	N/A	20
BENZENE	N.D. ug/L	5.0 ug/L	102	106	80-127	3.8	20
TOLUENE	N.D. ug/L	5.0 ug/L	101	106	81-122	4.8	20
ETHYL BENZENE	N.D. ug/L	5.0 ug/L	99.0	106	81-119	6.8	20
XYLENES	N.D. ug/L	15 ug/L	105	111	83-118	5.6	20

Sample Spiked: 75861
Submission #: 9501211
Client Sample ID: 211-MW1

SPK1

1220 Quarry Lane • Pleasanton, California 94566-4756
(510) 484-1919 • Facsimile (510) 484-1096
Federal ID #68-0140157

February 3, 1995

OHM CORPORATION-PLEASANTON

Atten: Tracy Walker

Project: GOOD YEAR
Received: January 25, 1995

re: **Surrogate** report for 3 samples for Gasoline and BTEX ana

Submissior

Project#: 15422

Matrix: WATER
Lab Run#: 5232
Method: EPA 5030/8015M/602/8020

Sample#	Client Sample ID	Surrogate	Re
75920	MW-3	TRIFLUOROTOLUENE	
75921	MW-1	TRIFLUOROTOLUENE	
75922	MW-2	TRIFLUOROTOLUENE	

Analyzed: January

Sample#	QC Sample Type	Surrogate	Recc
76250	Reagent blank	TRIFLUOROTOLUENE	
76252	Spiked blank	TRIFLUOROTOLUENE	

1220 Quarry Lane • Pleasanton, California 94566-4756
(510) 484-1919 • Facsimile (510) 484-1096
Federal ID #68-0140157

1995

CORPORATION-PLEASANTON

Atten: Tracy Walker

Project: GOOD YEAR

Received: January 25, 1995

re: 3 samples for Oil and Grease analysis.

Project

Sampled: January 25, 1995 Matrix: WATER

Method: STANDARD METHODS 5520 B&F Run#: 5230 Extr

Ana

Spl #	CLIENT SMPL ID	OIL & GREASE (mg/L)	REPORTING LIMIT (mg/L)
75920	MW-3	1.2	1.0
75921	MW-1	N.D.	1.0
75922	MW-2	N.D.	1.0

Alex Tam
Chemist

Ali Kharrazi
Organic Manag

1220 Quarry Lane • Pleasanton, California 94566-4756
(510) 484-1919 • Facsimile (510) 484-1096
Federal ID #68-0140157

1995

CORPORATION-PLEASANTON

Atten: Tracy Walker

Project: GOOD YEAR

Received: January 25, 1995

re: Three samples for Diesel analysis

Matrix: WATER

Sampled: January 25, 1995

Method: EPA 3510/8015

Sample #	Client Sample ID	Extracte Analyzed:	Di (µg
75920	MW-3		N.D
75921	MW-1		N.D.
75922	MW-2		N.D.
	Blank		N.D.
	Spike Recovery		92%
	Dup Spike Recovery		100%
	Reporting Limit		50

ChromaLab, Inc.

Sirirat Chullakorn

Sirirat Chullakorn
Analytical Chemist

at

Ali Kharrazi
Organic Manager

1220 Quarry Lane • Pleasanton, California 94566-4756
(510) 484-1919 • Facsimile (510) 484-1096
Federal ID #68-0140157

CHROMALAB, INC.
Environmental Services (SDB)

DIESEL REPORT-QUALITY CONTROL

February 3, 1995
OHM CORPORATION-PLEASANTON
Project: GOOD YEAR
Analyzed: January 26, 1995

Submission #: 9501218

Method: EPA 8015
Matrix: WATER

MS/MSD

Sample ID Spiked: H_2O LCS

PARAMETER	UNITS	SAMPLE RESULT	SPIKE CONC	SPIKED SAMPLE RESULT	% REC	DUP SPIKE RESULT	DUP % REC	CONTROL LIMITS	RPD	RPD LIMIT %
Diesel	ug/L	N.D.	227	209	92	227	100	70/120	8.3	20

% Recovery = (Spike Sample Result-Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Spike Result-Duplicate Result)*100/Average Result

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CHROMALAB, INC.
Environmental Services (SDB)

DIESEL-QUALITY CONTROL

February 3, 1995

Submission #: 9501218

OHM CORPORATION-PLEASANTON

Project: GOOD YEAR

Method: EPA 8015
Matrix: WATER

SURROGATE RECOVERIES

Sample #	Client Sample ID	o-Terphenyl %
75920	MW-3	91
75921	MW-1	84
75922	MW-2	86
H_2O LCS		102
H_2O LCSD		106
Blank		103

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OHM Corporation

CHAIN-OF-CUSTODY RECORD

Form 0010
Field Technical Services
Rev. 08/89

Nº 119159

O.H. MATERIALS CORP. • P.O. BOX 551 • FINDLAY, OH 45839-0551 • 419-423-3526

PROJECT NAME: GOODYEAR	PROJECT LOCATION: ALBANY - CA.
PROJ NO: 15422	PROJECT CONTACT: TRACY WALKER
	PROJECT TELEPHONE NO: (510) 227-1100
CLIENT'S REPRESENTATIVE	PROJECT MANAGER/SUPERVISOR: TRACY WALKER

SUBM #: 950121[illegible]
CLIENT: OHM
DUE: 02/01/[illegible]
REF #:20226

ITEM NO	SAMPLE NUMBER	DATE	TIME	COMP	GRAB	SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)	NUMBER OF CONTAINERS	ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS): TPH-Gasoline mod (8015)	TPH-Diesel mod (8015)	BTEX (8020)	O/G (1664/5520 E&F)	TLC metal CR only (6010)	REMARKS
1	MW-3	1/25/95	1245		X	CLOUDY LIQUID - MONITORING WELL	4x1L 1x250ml 3x40ml	X	X	X	X	X	
2	TRIP BLANK	1/25/95	1300		X	HOLD PENDING ANALYSIS	1x40ml						
3													
4													
5													
6													
7													
8													
9													
10													

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME
1	1-2	[signature]	[signature]	1/27/95	11:30
2					
3					
4					

REMARKS: NORMAL TURN AROUND TIME

Fax: 227-

SAMPLER'S SIGNATURE: [signature]

LAB COPY

OHM Corporation

CHAIN-OF-CUSTODY RECORD

Form 0019
Field Technical Services
Rev. 08/89

№ 119158

O.H. MATERIALS CORP. • P.O. BOX 551 • FINDLAY, OH 45839-0551 • 419-423-3526

PROJECT NAME: GOODYEAR	PROJECT LOCATION: ALBANY - CA
PROJ NO: 15422	PROJECT CONTACT: TRACY WALKER
PROJECT TELEPHONE NO: (510) 227-1100	
CLIENT'S REPRESENTATIVE:	PROJECT MANAGER/SUPERVISOR: TRACY WALKER

ITEM NO	SAMPLE NUMBER	DATE	TIME	COMP	GRAB	SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)	NUMBER OF CONTAINERS	ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS): TPH-GASOLINE MOD (8015)	TPH-DIESEL MOD (8015)	BTEX (8020)	OIL & GREASE (5520 B&F)	TLC METAL CR ONLY (6010)			REMARKS
1	MW-1	1/25/95	1035		X	CLOUDY LIQUID - MONITORING WELL	4x1L 1x250ml 3x40ml	X	X	X	X	X			
2	MW-2	1/25/95	1150		X	CLOUDY LIQUID - MONITORING WELL	↓	X	X	X	X	X			
3	TRIP BLANK	1/25/95	1215		X	HOLD PENDING ANALYSIS	2x40ml								
4															
5															
6															
7															
8															
9															
10															

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME
1	1-3	[signature]	Chris Rowley	1/25/95	14:30
2					
3					
4					

REMARKS: NORMAL TURN AROUND TIME

SAMPLER'S SIGNATURE: [signature]

LAB COPY