RON GOODE TOYOTA

2424 CLEMENT AVE.
ALAMEDA, CALIFORNIA 94501

TELEPHONE 522-6400

Dec 1994

MS. JULIET SHIN
ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
DEPT. OF ENVIRONMENTAL HEALTH
1131 HARBOR BAY PARKWAY #250
ALAMEDA, CA. 94502-6577

DEAR MS. JULIET SHIN,

PLEASE FIND QUARTERLY REPORT FROM A.C.C. I SPOKE WITH MR. D. DEMENT FROM A.C.C. AND HE WAS VERY POSITIVE ON ANOTHER N.D. REPORT. HE MENTIONED THAT THE REGIONAL WATER QUARTERLY CONTROL BOARD MAY NOT ASK FOR A CLEAN-UP ON POLLUTION THAT HAS ORIGINATED OFFSITE. THIS IN CONJUNCTION WITH THE OAKLAND/ALAMEDA "NON-ATTSINMENT" ISSUE MAY SHINE A POSITIVE LIGHT ON MY PICTURE.

A.C.C. IS CURRENTLY INVESTIGATING THE CONSTRUCTION OF ALL WELLS. ALSO A REPORT FROM A.C.C. ON ORIGINATION OF HYDRO CARBONS WILL ACCOMPANY MY NEXT QUARTERLY MONITORING. AS YOU KNOW CHEVRON, EXXON AS WELL AS JOHN B. HENRY SITES, ARE UNDER CLEAN-UP OR RECLEAN-UP. ALL SITES ARE ABOVE WATER GRADIENT.

THANK YOU,

more info to be gotten when diesel UST from 2424 Clement is removed. May contribute to contam at 1825 Park.

LEN GOODE
PRESIDENT

cc; D. DEMENT
A.C.C.

A·C·C
ENVIRONMENTAL
CONSULTANTS

LETTER REPORT
QUARTERLY GROUNDWATER MONITORING
AT
1825 PARK STREET
ALAMEDA, CALIFORNIA

December 1994
Job Number 94-6089-1.1

Prepared for:

Ron Goode Toyota
1825 Park Street
Alameda, California

Prepared by: _____
Misty C. Kaltreider
Project Geologist

Reviewed by: _____
David R. DeMent, RG #5874
Senior Project Geologist

REGISTERED GEOLOGIST
DAVID R. DEMENT
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STATE OF CALIFORNIA

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QUARTERLY GROUNDWATER MONITORING
at
1825 Park Street
Alameda, California

1.0 Introduction

This report presents the procedures and findings of quarterly groundwater monitoring conducted by ACC Environmental Consultants, Inc. (ACC), on behalf of Mr. Len Goode, President of Ron Goode Toyota, 1825 Park Avenue, Alameda, California. The project objective, as described in the Consulting Services Agreement prepared on November 15, 1994, was to evaluate current groundwater conditions at the property by sampling existing groundwater monitoring wells.

The property is located in the northwestern corner of the intersection of Park and Clement Streets in Alameda, California and is currently being operated at an automobile dealership and showroom.

2.0 Background

Two underground storage tanks were removed from the site by Zaccor Corporation on December 27, 1990. One 300-gallon waste oil tank was located in the main building near the south exterior wall (Figure 2). The tank was constructed of single-walled steel and was observed to have several holes near the bottom during removal. The second 550-gallon gasoline tank was located outside the building. During removal, no holes were observed in the gasoline tank. Analytical results of soil samples collected from the waste oil tank excavation indicated detectable levels of total oil and grease and Total Petroleum Hydrocarbons (TPH) as both diesel and gasoline. Soil samples collected from the gasoline tank excavation indicated below detectable levels of TPH as gasoline.

On March 21 and April 11, 1991, a field program was conducted by Environmental Bio-Systems, Inc., under contract with Zaccor Corporation, to evaluate the horizontal and vertical extent of hydrocarbon impact on subsurface soil. Sixty-four (64) hand augured borings were advanced and field conditions described. Forty-one (41) soil samples were collected of which fourteen (14) samples were submitted for analysis. The extent of soil and groundwater impact was not defined. Concentrations of TPH as gasoline varied from below detection limits to a maximum of 1,900 parts per million (ppm). Total oil and grease concentrations varied from below the detection limit to 380 ppm.

On November 8, 1991, three groundwater monitoring wells were installed on and adjacent to the property by Environmental Bio-Systems. The approximate locations of monitoring wells are illustrated in Figure 2. Analytical results of soil samples collected during drilling MW-1 and MW-2 indicated TPH as gasoline concentrations below detection limits. Analysis of soil

collected from monitoring well MW-3 indicated 250 ppm of TPH as gasoline.

On November 18, 1991, the wells were developed and sampled by Environmental Bio-Systems. Analytical results of groundwater collected from monitoring wells indicated below detection levels of TPH as gasoline with benzene, toluene, ethylbenzene and total xylenes (BTEX). A maximum of 4.0 ppm total oil and grease was reported in the groundwater sample from MW-1. Analysis of groundwater collected in subsequent sampling events has indicated decreasing amounts of dissolved total oil and grease. Samples collected in February 4, 1993 contained below detectable levels of hydrocarbon constituents.

In April 1993 ACC performed a soil and groundwater investigation to help determine the onsite vertical and lateral extent impact of petroleum hydrocarbons in order to provide remediation options and associated costs. Seventeen exploratory soil borings were drilled and "grab" groundwater samples collected in each boring to help further evaluate groundwater conditions across the site. Results of the investigation were inconsistent with a pattern that might be expected from known sources at the site. The highest TPH as gasoline concentrations were noted in samples collected adjacent to Clement Avenue and in areas cross-gradient and approximately 70-120 feet from the former gasoline tank.

According to direction of the Regional Water Quality Control Board, a groundwater monitoring well (MW-4) was installed by ACC approximately twelve feet downgradient of the former tank excavation. Quarterly groundwater monitoring was conducted by ACC in November 1994.

3.0 Groundwater Monitoring and Sampling

ACC conducted quarterly monitoring on December 9, 1994. Work at the site included measuring depth to water, subjectively evaluating groundwater in the wells, purging, sampling the wells, and submitting the groundwater samples for laboratory analysis under formal chain-of-custody protocol.

3.1 Groundwater Monitoring

Prior to groundwater sampling the depth to the surface of the water table was measured from the top of the PVC casing using a Solinst Water Level Meter. The water-level measurements were recorded to the nearest 0.01 foot with respect to mean sea level. Groundwater monitoring and sampling of wells MW-1, MW-2, and MW-4. Monitoring of MW-3 has been discontinued, with approval of Alameda County Health Care Agency, because ACC believes the screened interval may be incorrect for detecting hydrocarbons in the uppermost aquifer. Groundwater monitoring data obtained at the site is presented in Appendix A. Information regarding well elevations and groundwater levels are summarized in Table 1.

Historic groundwater levels at the site are unknown but previous groundwater sampling reports did contain calculated flow directions.

TABLE 1 - GROUNDWATER DEPTH INFORMATION				
Well #	Casing Elevation (MSL)	Date Measured	Groundwater Depth (feet)	Groundwater Elevation (MSL)
MW-1	14.57	12/09/94	4.00	10.57
MW-2	11.68	12/09/94	3.13	8.55
MW-3	11.75	12/09/94	2.61	9.14
MW-4*	13.00	12/09/94	3.42	9.58

Notes:
All measurements in feet relative to Mean Sea Level
* = Not used for gradient map (Figure 3)

The groundwater flow direction as determined from monitoring well data on December 9, 1994, is illustrated on Figure 3 - Groundwater Elevation Map. Based on groundwater elevation measurements, groundwater flow is toward the north-northwest at an average gradient of 0.012. This flow direction is consistent with calculated flow directions determined by previous consultants. Monitoring well MW-4 was not used in calculating flow direction and gradient because ACC felt the groundwater elevation value is suspect due to its proximity to the former tank excavation and current parking lot drain.

3.2 Groundwater Sampling

Prior to groundwater sampling, each well was purged using a submersible pump. Groundwater samples were collected when temperature, pH, and conductivity of the water stabilized and a minimum of four well-casing volumes of water had been removed. Following purging, each well was allowed to recharge prior to sampling. When recovery to 80 percent of the static water level was estimated to exceed two hours, a sample was collected when sufficient volume was available to fill the sample containers.

Wells were sampled using a new, clean, disposable Teflon bailer attached to new, clean string. From each monitoring well, sample vials and bottles were filled to overflowing and sealed so that no air was trapped in the vial or bottle. Once filled, samples were inverted and tapped to test for air bubbles. Samples were contained in vials and bottles approved by the US EPA and the Regional Water Quality Control Board. Sample containers were labeled with self-adhesive, pre-printed tags. All samples were stored in ice filled coolers to be delivered to an state-certified laboratory for analysis.

Water purged during the development and sampling of the monitoring wells was temporarily stored onsite in Department of Transportation (DOT) approved 55-gallon drums pending laboratory analysis and proper disposal.

4.0 Results of Groundwater Sampling

Groundwater samples collected from each well were submitted to Sequoia Analytical under chain-of-custody protocol. Groundwater samples collected from wells MW-1, MW-2, and MW-4 were analyzed for TPHg and BTEX by Environmental Protection Agency (EPA) modified Methods 5030, 8015 and 8020. In addition, the groundwater sample collected from wells MW-4 was analyzed for halogenated volatile organics by EPA Method 8010, TPHd and motor oil by EPA Method 3510/3520/8015, and total oil and grease by SM5520 B&F. Copies of the chain-of-custody record and laboratory analysis reports are in Appendix B. Groundwater sample analyses results are summarized in Table 2.

TABLE 2 - LABORATORY RESULTS, GROUNDWATER

WELL#/ Date	TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	TOG	TPHd
MW-1							
11/18/91	ND	ND	ND	ND	ND	4	ND
05/30/92	ND	ND	ND	ND	2.7	20	ND
09/10/92	ND	ND	ND	ND	ND	1.1	ND
02/04/93	ND	ND	ND	ND	ND	ND	ND
05/03/93	ND	ND	ND	ND	ND	ND	ND
12/09/94	ND	ND	ND	ND	ND	NA	NA
MW-2							
11/18/91	ND	ND	ND	ND	ND	3.0	ND
05/30/92	ND	ND	ND	ND	2.0	< 10	ND
09/10/92	ND	ND	ND	ND	ND	ND	ND
02/04/93	ND	ND	ND	ND	ND	ND	ND
05/03/93	ND	ND	ND	ND	ND	ND	ND
12/09/94	ND	ND	ND	ND	ND	NA	NA
MW-3							
11/18/91	ND	ND	ND	ND	ND	1.0	ND
05/30/92	ND	ND	ND	ND	ND	20	ND
09/10/92	ND	ND	ND	ND	ND	0.4	ND
02/04/93	ND	ND	ND	ND	ND	ND	ND
05/03/93	ND	ND	ND	ND	ND	ND	ND
12/09/94	NA	NA	NA	NA	NA	NA	NA
MW-4*							
05/14/93	ND	ND	ND	ND	ND	3.1	ND
12/09/94	ND	ND	ND	ND	ND	550	ND

Notes:
TPHg = Total Petroleum Hydrocarbons as gasoline
TPHd = Total Petroleum Hydrocarbons as diesel
TOG = Total Oil and Grease
ppb = parts per billion
NA = not analyzed
* = Halogenated Volatile Organics (EPA 8010) performed, 1,2-Dichloroethane detected at 5.7 ug/L (5/14/93), and 1.3 ug/L (12/9/94), all other analytes not detected at respective detection limits

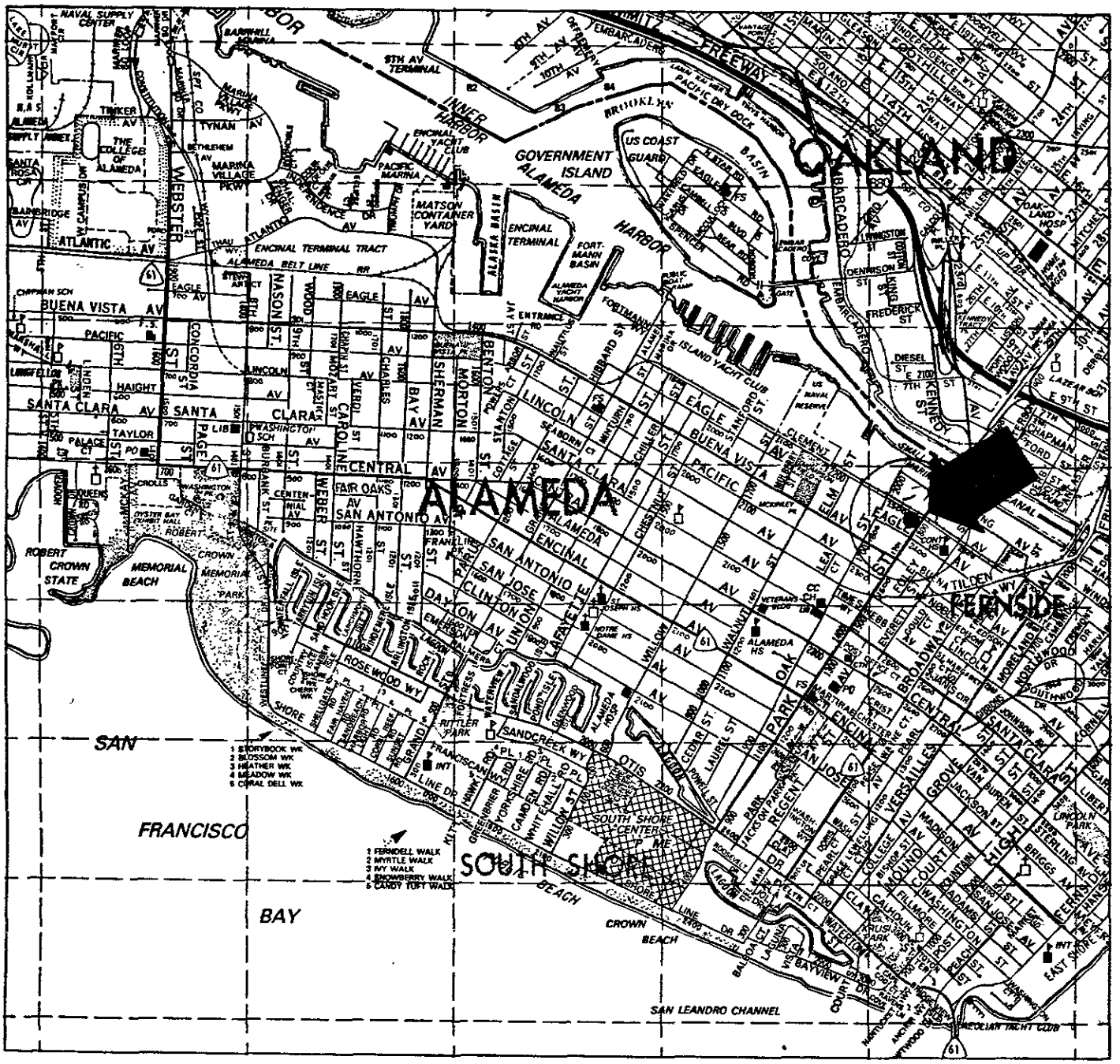
5.0 Findings

Analytical results of the groundwater samples collected on December 9, 1994 revealed total petroleum hydrocarbons as gasoline and associated BTEX constituents were not detected in wells MW-1, MW-2, and MW-4. In the sample from MW-4, which is approximately ten feet down gradient of the former waste oil tank, total petroleum hydrocarbons as diesel and total oil and grease were not detected, however, motor oil was detected at 550 ppb and 1,2-Dichloroethane was detected at 1.3 ppb.

Based strictly on groundwater monitoring well data, minor hydrocarbon concentrations appear to be due primarily to hydrocarbon residues in soil coming in contact with fluctuating water levels. ACC believes these TOG results should naturally degrade with time.

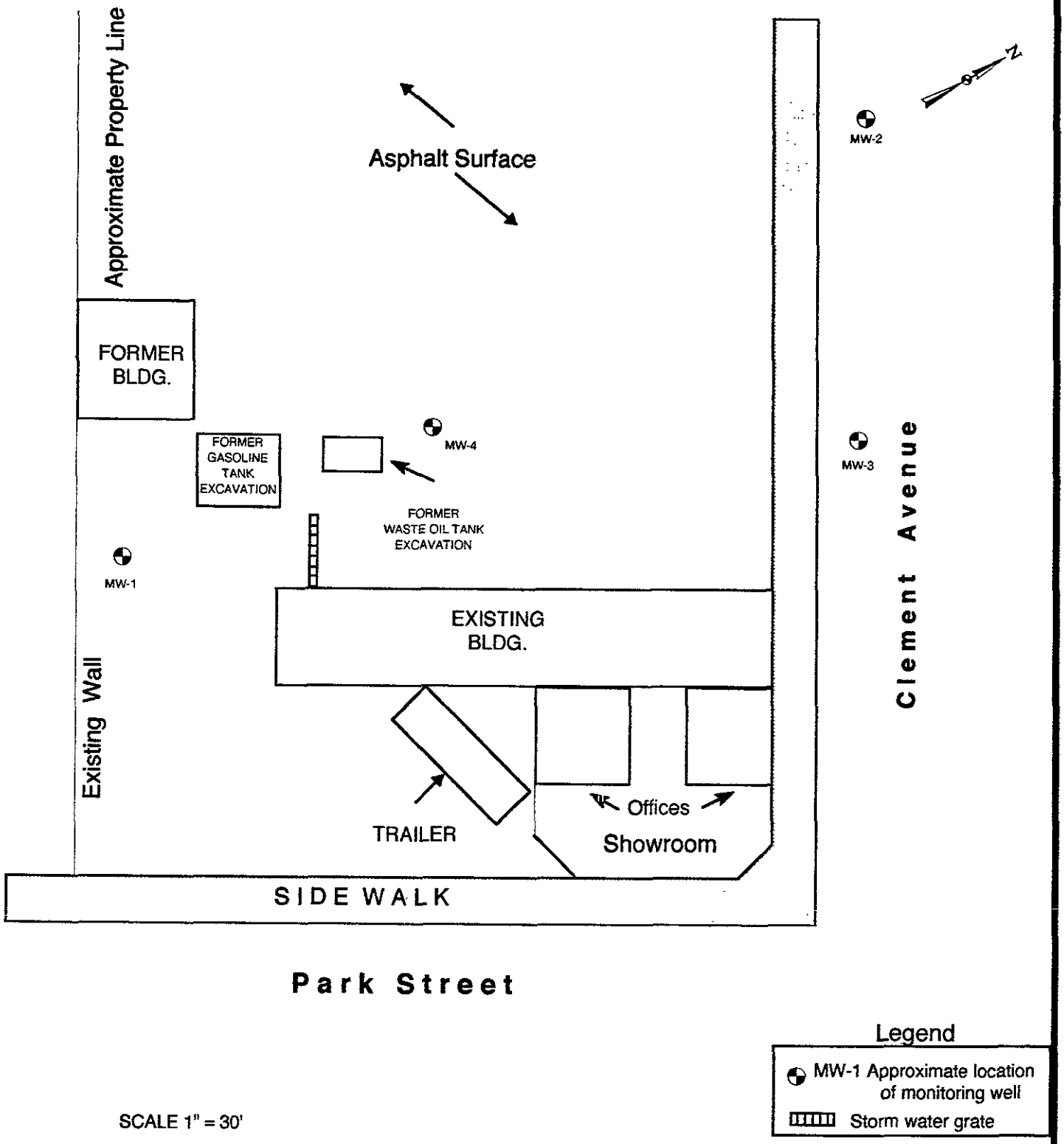
6.0 Recommendations

ACC recommends continuing quarterly groundwater monitoring of onsite well MW-4 and analyzing for chemicals of concern; TOG and EPA 8010. Water samples from monitoring wells MW-1, MW-2, and MW-3 have consistently not contained detectable concentrations of TPH as gasoline, diesel, and BTEX compounds and ACC recommends sampling them biannually for one year and evaluating the results in regards to future monitoring.

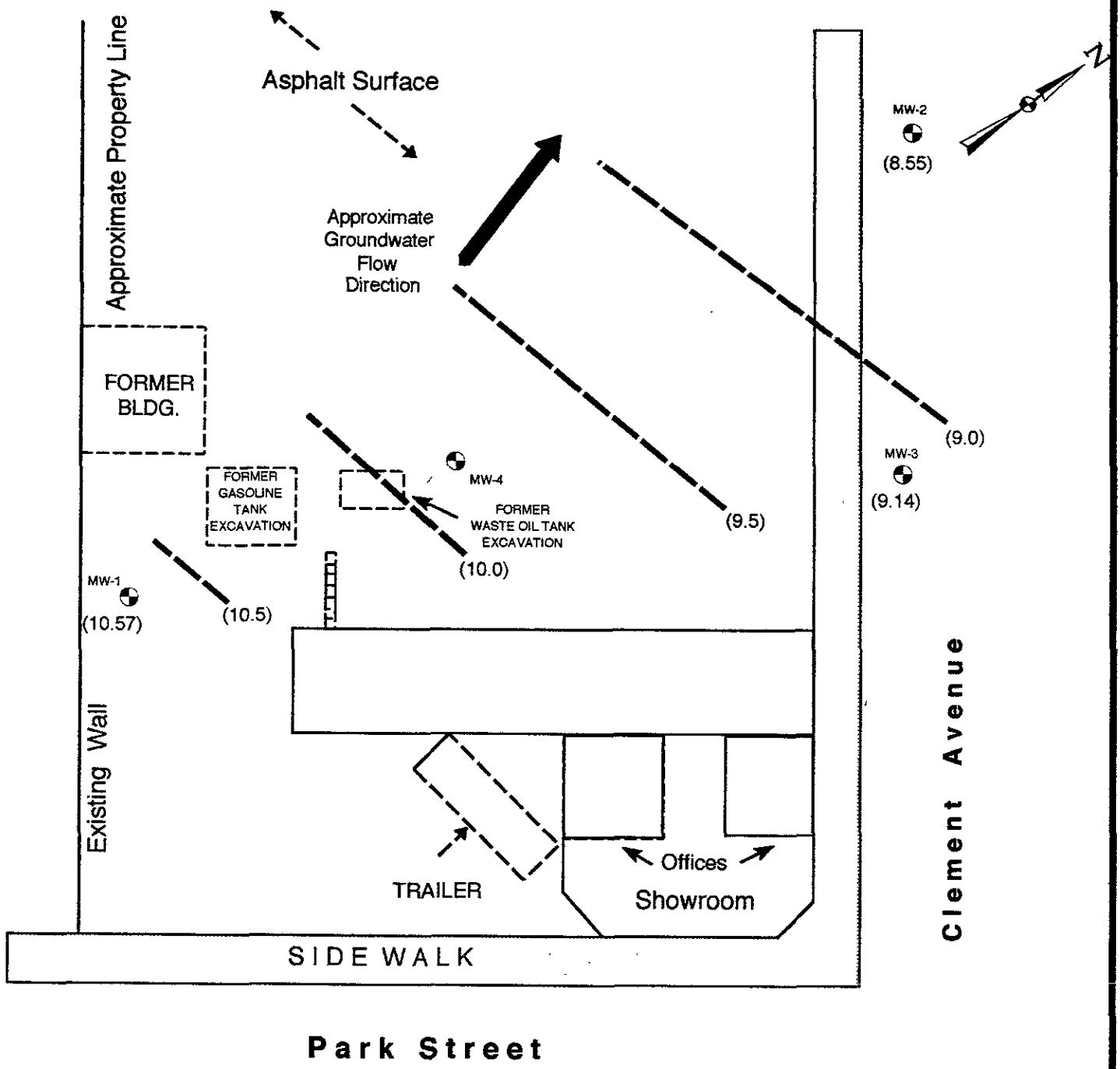


(Source: Thomas Brothers)

ACC Environmental Consultants, Inc. 1000 Atlantic Avenue, Suite 110 Alameda, California 94501		LOCATION MAP: Ron Goode Toyota Dealership 1825 Park Street Alameda, California	
Project No. 6089-1	Date: 1/20/95	Dn by: DRD	Figure No. 1



ACC Environmental Consultants, Inc. 1000 Atlantic Avenue, Suite 110 Alameda, California 94501		SITE PLAN: Ron Goode Toyota Dealership 1825 Park Street Alameda, California	
Project No. 6089-1	Date: 1/20/95	Dn by: DRD	Figure No. 2



ACC Environmental Consultants, Inc. 1000 Atlantic Avenue, Suite 110 Alameda, California 94501		GRADIENT MAP: Ron Goode Toyota Dealership 1825 Park Street Alameda, California	
Project No. 6089-1	Date: 1/20/95	Dn by: DRD	Figure No. 3

APPENDIX A

Groundwater Monitoring
and
Sampling Data

Well Sampling [X] Well Development [ ] check one

Well Number: MW 1

Job Number: 6089-1.1

Job Name: 1825 Park St.

Date: 12/9

Sampler: ALE

Depth to Water (measured from TOC): 4 ft.

Inside Diameter of Casing: 2"

Depth of Boring: 14.79

Method of well development/purging: Bailing

Amount of Water Bailed/Pumped from well: 7.2 gallons

Depth to Water after well development: ———

Depth to water prior to sampling: 5.92

Bailed water stored on-site ? How ? Drum

Number of well volumes removed: 4

TSP wash, distilled rinse, new rope ? New Rope, New Bailer

Water Appearance:

	yes	no
froth		✓
irridesence		✓
oil		✓
smell		✓
product		✓
other, describe		✓

Gallons Removed	pH	EC	Temp
5			
10			
15			
20			
25			
30			
35			
40			
45			
50			

Samples Obtained:

TPH (gasoline)	X
TPH (diesel)	
TPH (motor oil)	
BTXE	X
EPA 624	
EPA 625	
EPA 608	
PCBs only	
Metals	
Other, specify	
Field Blank	

Well Sampling [X] Well Development [ ] check one

Well Number: MW-2

Job Number: 6089-1.1

Job Name: 1825 Park St.

Date: 12/9

Sampler: ACE

Depth to Water (measured from TOC): 3.13

Inside Diameter of Casing: 2"

Depth of Boring: 14.54

Method of well development/purging: Bailing

Amount of Water Bailed/Pumped from well: 8 gallons

Depth to Water after well development: ____

Depth to water prior to sampling: 3.65

Bailed water stored on-site ? How ? Drum

Number of well volumes removed: 4

TSP wash, distilled rinse, new rope ? New Rope New Bailer

Water Appearance:

	yes	no
froth		✓
irridesence		✓
oil		✓
smell		✓
product		✓
other, describe		✓

Gallons Removed	pH	EC	Temp
2 ~~5~~	10.67	.42	6.22
4 ~~10~~	10.59	.40	6.21
6 ~~15~~	10.60	.40	6.21
7 ~~20~~	10.56	.40	6.25
25	10.43	.41	6.26
30	10.41	.40	6.25
35	10.42	.40	6.26
40			
45			
50			

Samples Obtained:

TPH (gasoline)	X
TPH (diesel)	
TPH (motor oil)	
BTXE	X
EPA 624	
EPA 625	
EPA 608	
PCBs only	
Metals	
Other, specify	
Field Blank	

Well Sampling [X] Well Development [ ] check one

Well Number: MW3

Job Number: 6089-1.1

Job Name: 1825 Park St.

Date: 12/9

Sampler: ACE

Depth to Water (measured from TOC): 2.61

Inside Diameter of Casing: 2"

Depth of Boring: 14.41

Method of well development/purging: _____

Amount of Water Bailed/Pumped from well: _____

Depth to Water after well development: _____

Depth to water prior to sampling: _____

Bailed water stored on-site ? How ? _____

Number of well volumes removed: _____

TSP wash, distilled rinse, new rope ? _____

Water Appearance:

	yes	no
froth		
irridesence		
oil		
smell		
product		
other, describe		

Gallons Removed	pH	EC	Temp
5			
10			
15			
20			
25			
30			
35			
40			
45			
50			

Samples Obtained:

TPH (gasoline)	
TPH (diesel)	
TPH (motor oil)	
BTXE	
EPA 624	
EPA 625	
EPA 608	
PCBs only	
Metals	
Other, specify	
Field Blank	

Well Sampling [X] Well Development [ ] check one

Well Number: MW 4

Job Number: 6089-1.1

Job Name: 1825 Park St

Date: 12/9

Sampler: ACE

One Amber
Three VOA's

Depth to Water (measured from TOC): 3.42

Inside Diameter of Casing: 2"

Depth of Boring: 14.58

Method of well development/purging: Bailing

Amount of Water Bailed/Pumped from well: 8 gallons

Depth to Water after well development: ~~~~

Depth to water prior to sampling: 6.93

Bailed water stored on-site ? How ? Drum

Number of well volumes removed: 4

TSP wash, distilled rinse, new rope ? New Rope, New Bailer

Water Appearance:

	yes	no
froth		✓
irridesence		✓
oil		✓
smell		✓
product		✓
other, describe		✓

Gallons Removed	pH	EC	Temp
5			
10			
15			
20			
25			
30			
35			
40			
45			
50			

Samples Obtained:

TPH (gasoline)	✓
TPH (diesel)	
TPH (motor oil) 1106	✓
BTXE	✓
EPA 624	
EPA 625	
EPA 608	
PCBs only	
Metals	
Other, specify 8010	✓
Field Blank	

APPENDIX B

Laboratory Analysis Reports
and
Chain-of-Custody Record

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
1900 Bates Avenue, Suite L, Concord, CA 94520, (510) 686-9600, FAX (510) 686-9689
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

ACC Environmental Consultants	Client Project ID:	Len Goode Toyota	Sampled:	Dec 9, 1994
1000 Atlantic Avenue, #110	Sample Descript:	Water, MW4	Received:	Dec 12, 1994
Alameda, CA 94501	Analysis Method:	EPA 5030/8010	Analyzed:	Dec 15, 1994
Attention: David DeMent	Lab Number:	412-0808	Reported:	Dec 29, 1994

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection 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	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	1.3
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 present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Karen L. Enstrom
Project Manager

Sequoia Analytical

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

ACC Environmental Consultants	Client Project ID:	Len Goode Toyota	Sampled:	Dec 9, 1994
1000 Atlantic Avenue, #110	Sample Matrix:	Water	Received:	Dec 12, 1994
Alameda, CA 94501	Analysis Method:	EPA 3510/3520/8015	Reported:	Dec 29, 1994
Attention: David DeMent	First Sample #:	412-0808		

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS AS MOTOR OIL

Analyte	Reporting Limit µg/L	Sample I.D. 412-0808 MW4
Extractable Hydrocarbons	250	550
Chromatogram Pattern:		Motor Oil

Quality Control Data

Report Limit Multiplication Factor:	1.0
Date Extracted:	12/16/94
Date Analyzed:	12/28/94
Instrument Identification:	HP-3A

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

SEQUOIA ANALYTICAL, #1271

Karen L. Enstrom
Project Manager

Sequoia Analytical

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

ACC Environmental Consultants	Client Project ID:	Len Goode Toyota	Sampled:	Dec 9, 1994
1000 Atlantic Avenue, #110	Sample Matrix:	Water	Received:	Dec 12, 1994
Alameda, CA 94501	Analysis Method:	EPA 5030/8015/8020	Reported:	Dec 29, 1994
Attention: David DeMent	First Sample #:	412-0806		

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit µg/L	Sample I.D. 412-0806 MW1	Sample I.D. 412-0807 MW2	Sample I.D. 412-0808 MW4
Purgeable Hydrocarbons	50	N.D.	N.D.	N.D.
Benzene	0.50	N.D.	N.D.	N.D.
Toluene	0.50	N.D.	N.D.	N.D.
Ethyl Benzene	0.50	N.D.	N.D.	N.D.
Total Xylenes	0.50	N.D.	N.D.	N.D.
Chromatogram Pattern:		--	--	--

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0	1.0
Date Analyzed:	12/16/94	12/16/94	12/16/94
Instrument Identification:	HP-5	HP-5	HP-5
Surrogate Recovery, %: (QC Limits = 70-130%)	90	92	91

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

SEQUOIA ANALYTICAL, #1271

Karen L. Enstrom
Project Manager

4120806.AAA <1>

Sequoia Analytical

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

ACC Environmental Consultants	Client Project ID:	Len Goode Toyota	Sampled:	Dec 9, 1994
1000 Atlantic Avenue, #110	Sample Matrix:	Water	Received:	Dec 12, 1994
Alameda, CA 94501	Analysis Method:	EPA 3510/8015	Reported:	Dec 29, 1994
Attention: David DeMent	First Sample #:	412-0808		

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

Analyte	Reporting Limit µg/L	Sample I.D. 412-0808 MW4
Extractable Hydrocarbons	50	N.D.
Chromatogram Pattern:		--

Quality Control Data

Report Limit Multiplication Factor:	1.0
Date Extracted:	12/16/94
Date Analyzed:	12/21/94
Instrument Identification:	HP-3B

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

SEQUOIA ANALYTICAL, #1271

Karen L. Enstrom
Project Manager

Sequoia Analytical

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

ACC Environmental Consultants	Client Project ID:	Len Goode Toyota	Sampled:	Dec 9, 1994
1000 Atlantic Avenue, #110	Matrix Descript:	Water	Received:	Dec 12, 1994
Alameda, CA 94501	Analysis Method:	SM 5520 B&F (Gravimetric)	Extracted:	Dec 22, 1994
Attention: David DeMent	First Sample #:	412-0808	Analyzed:	Dec 22, 1994

TOTAL RECOVERABLE PETROLEUM OIL

Sample Number	Sample Description	Oil & Grease mg/L (ppm)	Detection Limit Multiplication Factor
412-0808	MW4	N.D.	1.0

Detection Limits:	**5.0**

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

SEQUOIA ANALYTICAL, #1271

Karen L. Enstrom
Project Manager

4120806.AAA <5>

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
1900 Bates Avenue, Suite L, Concord, CA 94520, (510) 686-9600, FAX (510) 686-9689
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

ACC Environmental Consultants
1000 Atlantic Avenue, #110
Alameda, CA 94501
Attention: David DeMent

Client Project ID: Len Goode Toyota
Matrix: Liquid
QC Sample Group: 4120806-09
Reported: Jan 3, 1995

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes	Diesel	Oil & Grease
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015 Mod.	SM 5520 BF
Analyst:	A. Tuzon	A. Tuzon	A. Tuzon	A. Tuzon	K.V.S.	D. Newcomb
MS/MSD Batch#:	4120808	4120808	4120808	4120808	BLK121694	BLK122094
Date Prepared:	12/16/94	12/16/94	12/16/94	12/16/94	12/16/94	12/22/94
Date Analyzed:	12/16/94	12/16/94	12/16/94	12/16/94	12/21/94	12/22/94
Instrument I.D.#:	HP-5	HP-5	HP-5	HP-5	HP-3B	Mettler AE-200
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	300 µg/L	5,000 mg/L
Matrix Spike % Recovery:	100	100	100	98	82	92
Matrix Spike Duplicate % Recovery:	100	100	100	98	81	88
Relative % Difference:	0.0	0.0	0.0	0.0	1.2	4.4
LCS Batch#:	3LCS121694	3LCS121694	3LCS121694	3LCS121694	BLK121694	-
Date Prepared:	12/16/94	12/16/94	12/16/94	12/16/94	12/16/94	-
Date Analyzed:	12/16/94	12/16/94	12/16/94	12/16/94	12/21/94	-
Instrument I.D.#:	HP-5	HP-5	HP-5	HP-5	HP-3B	-
LCS % Recovery:	98	97	97	94	82	-
% Recovery Control Limits:	71-133	72-128	72-130	71-120	28-122	70-130

SEQUOIA ANALYTICAL, #1271

Karen L. Enstrom
Project Manager

Please Note:
The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

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Reported: Jan 3, 1995

QUALITY CONTROL DATA REPORT

ANALYTE	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
Method:	EPA 8010	EPA 8010	EPA 8010
Analyst:	K. Nill	K. Nill	K. Nill
MS/MSD Batch#:	4120867	4120867	4120867
Date Prepared:	12/15/94	12/15/94	12/15/94
Date Analyzed:	12/15/94	12/15/94	12/15/94
Instrument I.D.#:	HP5890/6	HP5890/6	HP5890/6
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L
Matrix Spike % Recovery:	125	96	92
Matrix Spike Duplicate % Recovery:	116	91	90
Relative % Difference:	7.5	5.3	2.2
LCS Batch#:	LCS121594	LCS121594	LCS121594
Date Prepared:	12/15/94	12/15/94	12/15/94
Date Analyzed:	12/15/94	12/15/94	12/15/94
Instrument I.D.#:	HP5890/6	HP5890/6	HP5890/6
LCS % Recovery:	111	100	92
% Recovery Control Limits:	28-167	35-146	38-150

SEQUOIA ANALYTICAL, #1271

Karen L. Enstrom
Project Manager

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SEQUOIA ANALYTICAL
CHAIN OF CUSTODY

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Company Name: ACC Environmental Consultants	Project Name: Len Goode Toyota
Address: 1000 Atlantic Avenue #110	Billing Address (if different):
City: Alameda State: CA Zip Code: 94501	
Telephone: (510) 522-8188 FAX #: (510) 865-5731	P.O. #: 6089-1.1
Report To: David DeMent Sampler: Alison Ekdale	QC Data: ☒ Level A (Standard) ☐ Level B ☐ Level C ☐ Level D

Turnaround Time: ☒ 10 Working Days ☐ 3 Working Days ☐ 2 - 8 Hours ☐ 7 Working Days ☐ 2 Working Days ☐ 5 Working Days ☐ 24 Hours

☐ Drinking Water ☐ Waste Water ☐ Other

Analyses Requested

	Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	TPHG w/BTEX	TEPH *	TOG 5520 E/F	8010				Comments
1.	MW 1	12/9 11:10	Water	3	VOA		X						4120806	A-C
2.	MW 2	12/9 3:25	Water	3	VOA		X						4120807	↓
3.	MW 4	12/9 11:50	Water	4	VOA Amber liter		X	X	X				4120808	A-D
4.								1						
5.									⇒	May need "Fuel Fingerprint"				
6.	SD 1	12/9 12:40	Soil	1	6" brass metal liner		X		X				4120809	
7.														* Must have
8.														results for
9.														diesel, Kerosene,
10.														and motor oil

Relinquished By:	Date: 12/12	Time: 1:15	Received By	Date: 12/12/91	Time: 1:45
Relinquished By:	Date: 12-12-91	Time: 5:00	Received By:	Date:	Time
Relinquished By:	Date:	Time:	Received By Lab:	Date: 12/12/91	Time

Pink - Client
Yellow - Sequoia
White - Sequoia