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ENVIRONMENTAL PROTECTION
95 NOV 30 PM 1:40

November 3, 1995

N1 Fig. enclosed

Change in GW flow direction may be due the fact that well MW-2 was damaged during street paving.

Mr. Len Goode
Ron Goode Toyota
1825 Park Street
Alameda, CA 94501

RE: Report on Quarterly Groundwater Monitoring
1825 Park Street, Alameda, California
Project No. 94-6089-1.1

Dear Mr. Goode:

Enclosed, please find three (3) copies of the Quarterly Groundwater Monitoring report for the above-referenced site. ACC recommends that a copy of this report be submitted to the following agency in a timely manner:

Ms. Eva Chu
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, #250
Alameda, California 94502-6577

The San Francisco Bay Regional Water Quality Control Board does not need to be informed about activity at the site at this time.

If you have any comments regarding this report, please call me at (510) ~~522-8188.~~ 638-8400

Sincerely,

David DeMent, RG
Senior Geologist

cc: Files

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QUARTERLY GROUNDWATER MONITORING REPORT
1825 PARK STREET
ALAMEDA, CALIFORNIA

October 1995
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
Senior Geologist

REGISTERED GEOLOGIST
DAVID R. DEMENT
NO. 5874
STATE OF CALIFORNIA

7977 Capwell Drive, Suite 100 • Oakland, CA 94621 • (510) 638-8400 • FAX: (510) 638-8404
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QUARTERLY GROUNDWATER MONITORING

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 (Figure 1).

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). Both tanks were constructed of single-walled steel. During removal, the waste oil tank was observed to have several holes near the bottom. 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 as diesel (TPHd) and Total Petroleum Hydrocarbons as gasoline (TPHg). Soil samples collected from the gasoline tank excavation indicated below detectable levels of TPHg.

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 in 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 TPHg 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 TPHg.

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 TPHg 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 TPHg 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 waste oil tank. Groundwater monitoring of MW-4 and the three existing groundwater monitoring wells was conducted by ACC in November 1994. Quarterly groundwater monitoring has been conducted since November 1994.

3.0 GROUNDWATER MONITORING AND SAMPLING

ACC conducted quarterly monitoring on September 19, 1995. 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 was performed on wells MW-1, MW-2, MW-3, and MW-4. Groundwater monitoring data obtained at the site is presented in Appendix A. Information regarding well elevations and groundwater levels are summarized in Table 1.

Monitoring well MW-2 was carefully monitored due to damage done to the surface PVC casing and steel vault box. Tar was observed in and around the top of the PVC casing and approximately three feet of hole was lost. Based on asphalt fragments in the water and condition of the surface of the well, ACC believes the well currently contains approximately three feet of paving materials.

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
		03/15/95	3.41	11.16
		06/19/95	4.78	9.79
		09/19/95	8.02	6.55
MW-2	11.68	12/09/94	3.13	8.55
		03/15/95	2.50	9.18
		06/19/95	3.09	8.59
		09/19/95	4.00	7.68
MW-3	11.75	12/09/94	2.61	9.14
		03/15/95	2.38	9.37
		06/19/95	3.04	8.71
		09/19/95	4.06	7.69
MW-4*	13.00	12/09/94	3.42	9.58
		03/15/95	2.16	10.84
		06/19/95	3.35	9.65
		09/19/95	4.72	8.28
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 September 19, 1995, is illustrated on Figure 3 - Groundwater Elevation Map. Based on groundwater elevation measurements, groundwater flow is toward the southwest at an average gradient of 0.007 foot/foot. Gradient is consistent with calculated values from previous sampling events but flow direction shifted approximately 135 degrees to the southwest. The cause of this flow direction shift is unknown.

Monitoring well MW-4 is not used in calculating flow direction and gradient due to its proximity to the former tank excavation and current parking lot drain. Previous calculated groundwater flow directions and gradients are summarized in Table 2.

Table 2 - Historic Groundwater Gradients

Date Monitored	Average Gradient (foot/foot)	Direction
December 9, 1994	0.012	North-northwest
March 15, 1995	0.011	North
June 19, 1995	0.007	North-northeast
September 19, 1995	0.007	Southwest

3.2 Groundwater Sampling

Prior to groundwater sampling, each well was purged of approximately four well volumes using a dedicated, disposable bailer. 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 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 Chromalab, Inc, under chain-of-custody protocol. Groundwater samples collected from wells MW-1, MW-3, 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 well 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 3.

Based on field observation, MW-2 is believed to be impacted with asphalt and roadway paving tar. No groundwater samples were collected from MW-2.

TPHg and BTEX were not detected in MW-1 and MW-4. Minor concentrations of TPHg were observed in MW-3 at 180 ppb, with BTEX levels ranging from 1.4-13 ppb. Water samples from MW-4 continued not to have detectable TPHg, BTEX, TPHd, and TOG. Dichloroethane was detected at 1.0 ppb.

TABLE 3 - LABORATORY RESULTS, GROUNDWATER								
WELL#/ Date	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-Benzene	Total Xylenes	TOG (ug/L)	TPHd (ug/L)	EPA Method 601 (1,2-Dichloroethane)
MW-1								
11/18/91	ND	ND	ND	ND	ND	4	ND	NA
05/30/92	ND	ND	ND	ND	2.7	20	ND	NA
09/10/92	ND	ND	ND	ND	ND	1.1	ND	NA
02/04/93	ND	ND	ND	ND	ND	ND	ND	NA
05/03/93	ND	ND	ND	ND	ND	ND	ND	NA
12/09/94	ND	ND	ND	ND	ND	NA	NA	NA
03/15/95	ND	ND	ND	ND	ND	NA	NA	NA
06/19/95	ND	ND	ND	ND	ND	NA	NA	NA
09/19/95	ND	ND	ND	ND	ND	NA	NA	NA
MW-2								
11/18/91	ND	ND	ND	ND	ND	3.0	ND	NA
05/30/92	ND	ND	ND	ND	2.0	<10	ND	NA
09/10/92	ND	ND	ND	ND	ND	ND	ND	NA
02/04/93	ND	ND	ND	ND	ND	ND	ND	NA
05/03/93	ND	ND	ND	ND	ND	ND	ND	NA
12/09/94	ND	ND	ND	ND	ND	NA	NA	NA
03/15/95	ND	ND	ND	ND	ND	NA	NA	NA
06/19/95	ND	ND	ND	ND	ND	NA	NA	NA
09/19/95	NA	NA	NA	NA	NA	NA	NA	NA
MW-3								
11/18/91	ND	ND	ND	ND	ND	1.0	ND	NA
05/30/92	ND	ND	ND	ND	ND	20	ND	NA
09/10/92	ND	ND	ND	ND	ND	0.4	ND	NA
02/04/93	ND	ND	ND	ND	ND	ND	ND	NA
05/03/93	ND	ND	ND	ND	ND	ND	ND	NA
12/09/94	NA	NA	NA	NA	NA	NA	NA	NA
03/15/95	140	ND	ND	ND	2.2	NA	NA	NA
06/19/95	190	7.9	1.5	2.6	6.3	NA	NA	NA
09/19/95	180	4.7	1.4	2.0	13.0	NA	NA	NA
MW-4								
05/14/93	ND	ND	ND	ND	ND	3.1	ND	5.7
12/09/94	ND	ND	ND	ND	ND	550	ND	1.3
03/15/95	ND	ND	ND	ND	ND	ND	ND	1.2
06/19/95	ND	ND	ND	ND	ND	ND	ND	2.1
09/19/95	ND	ND	ND	ND	ND	ND	ND	1.0

Notes:
TPHg = Total Petroleum Hydrocarbons as gasoline
TPHd = Total Petroleum Hydrocarbons as diesel
TOG = Total Oil and Grease
ug/L = parts per billion (ppb)
ND = below laboratory detection limit (see Appendix B)
NA = not analyzed

5.0 Discussion

Analytical results of the groundwater samples collected on September 19, 1995 indicated below detectable levels of TPHg and associated BTEX constituents in wells MW-1 and MW-4. A water sample from MW-3 revealed 180 ug/L (ppb) TPHg and minor BTEX concentrations ranging from 1.4 ppb to 13 ppb. Well MW-2 was not sampled due to damage to the well from recent street paving activities and approximately three feet of asphalt and paving materials being observed in the well.

In the water samples from MW-4, approximately ten feet downgradient of the former waste oil tank, respective analyses did not detect TPHg, TPHd, and total oil and grease. Analysis for halogenated volatile organics by EPA Method 8010 detected only 1.0 ug/L 1,2-Dichloroethane.

Groundwater flow direction, formerly north-northeast, was calculated to the southwest in September. This change represents a shift of approximately 135 degrees from previous sampling events and gradient remained approximately 0.007 foot/foot. The shift in groundwater flow direction may be due to groundwater extraction occurring upgradient of the project site

The source of the minor hydrocarbon concentrations in MW-3 is unknown. The distance from the former gasoline UST and the lack of detectable TPHg in other onsite monitoring wells make the former gasoline UST an unlikely source.

6.0 Recommendations

Water samples collected during periodic groundwater monitoring have not detected hydrocarbons known to have been stored onsite in underground storage tanks since December 9, 1994. Well MW-4, installed approximately 15 feet downgradient from the former used oil tank and approximately 33 feet downgradient from the former gasoline tank, continues to reveal non-detectable concentrations of constituents of concern.

The only detectable concentrations of gasoline hydrocarbons have been in MW-3, located in the street along Clement Street. ACC believes these TPHg concentrations are due to offsite sources and not to the former operation of a gasoline UST at the site. ACC recommends the following:

- Discontinue quarterly groundwater monitoring of existing wells;
- Perform additional site investigation along the property perimeter to verify offsite sources and in interior areas that revealed detectable hydrocarbons as gasoline during previous site investigation;
- Review utility plans in the area of Park and Clement Streets; and,
- Report the findings of this additional site investigation to Alameda County - Department of Environmental Health requesting no further action and case closure.

APPENDIX A

Groundwater Monitoring and Sampling Data

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December 11, 1995

Ms. Eva Chu
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, #250
Alameda, California 94502-6577

RE: Ron Goode Toyota, 1825 Park Street, Alameda, California

Dear Ms. Chu:

Attached please find copies of Figures 1-3, which were missing from your copy of the September 1995 Quarterly Monitoring report for the subject site. Due to groundwater elevation agreement with MW-3 (also in Clement Street) and our technician's observation that the depth to water measurement in MW-2 was made from PVC that appeared to be at the original elevation, ACC maintains the gradient and flow direction illustrated on Figure 3 was correct on that date. Despite the damage to the top of well MW-2, our technician was confident in his depth to water measurement.

The reason for the change in calculated flow direction is unknown. It is possible that the depth to water measurement in MW-1 was incorrect but the technician claims he measured water in the wells as he has always done during past sampling events. Upcoming monitoring should help confirm groundwater flow direction.

Please call me at (510) 638-8400 if you require any additional information.

Sincerely,

David DeMent, RG
Project Manager

Attachments: Figures 1-3

95 DEC 12 PM 2:16
ENVIRONMENTAL PROTECTION

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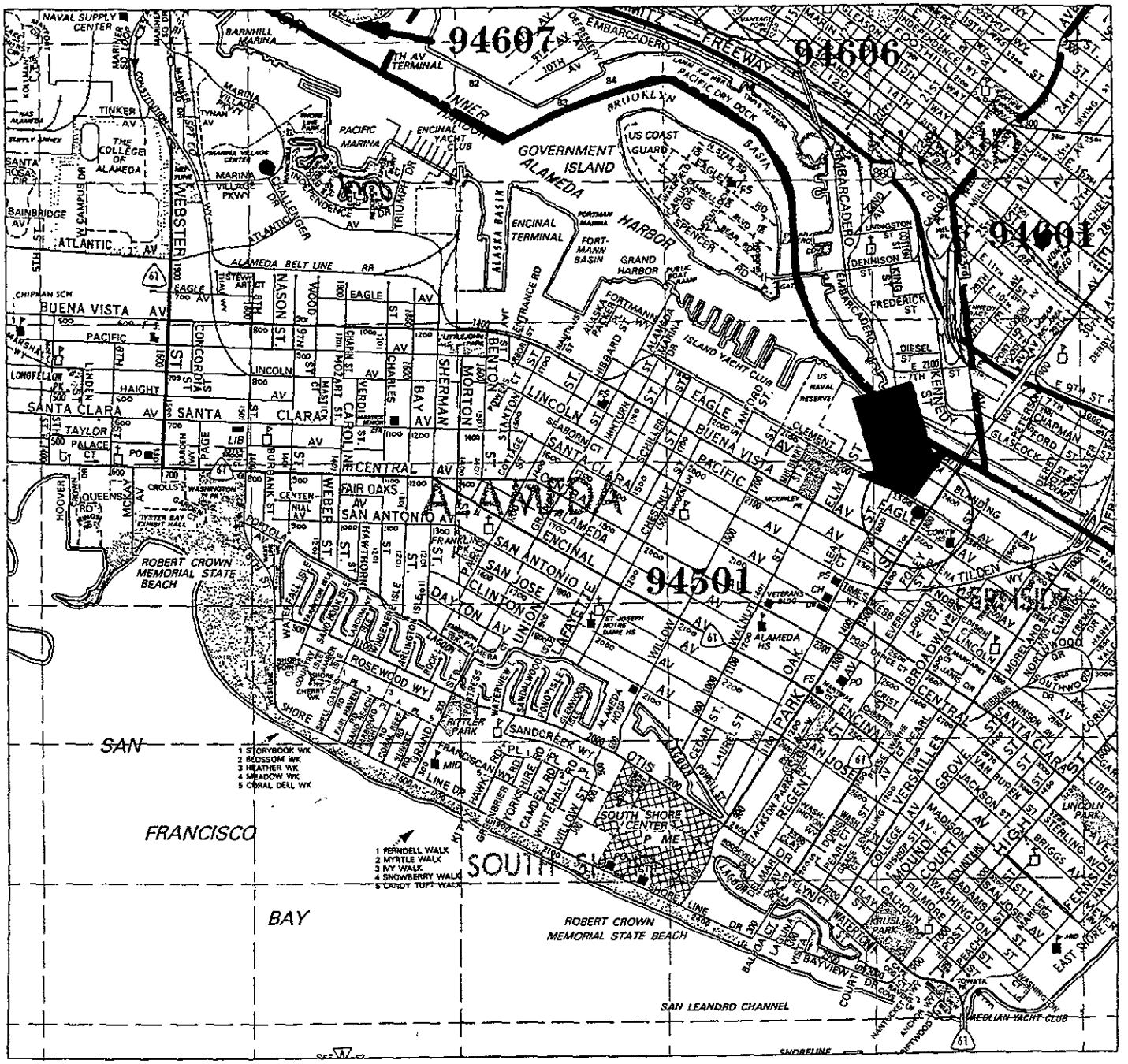
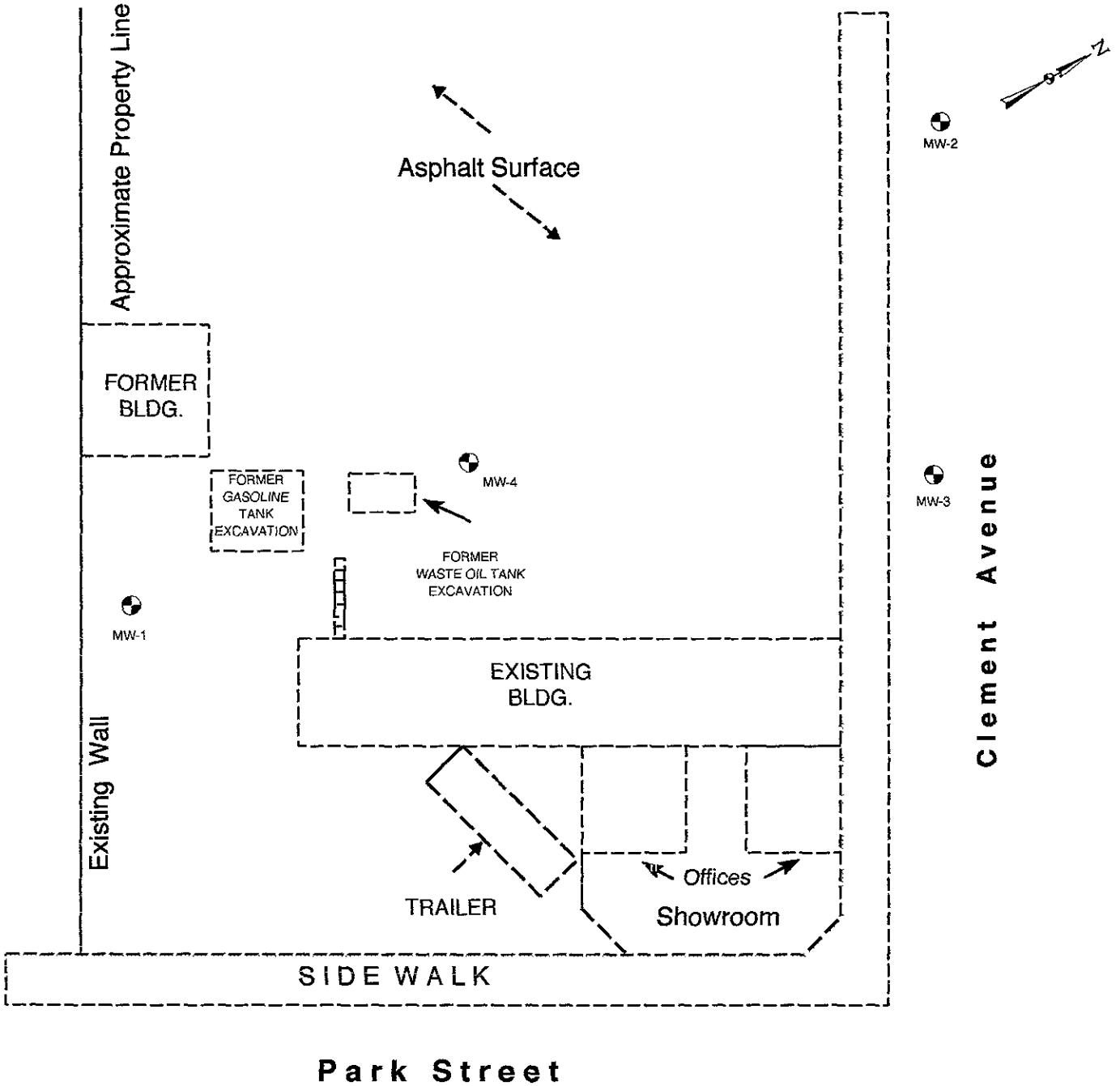


(Source: Thomas Brothers)

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. 6089-1.1	Date: 1/20/95	Dn by: DRD	Figure No. 1



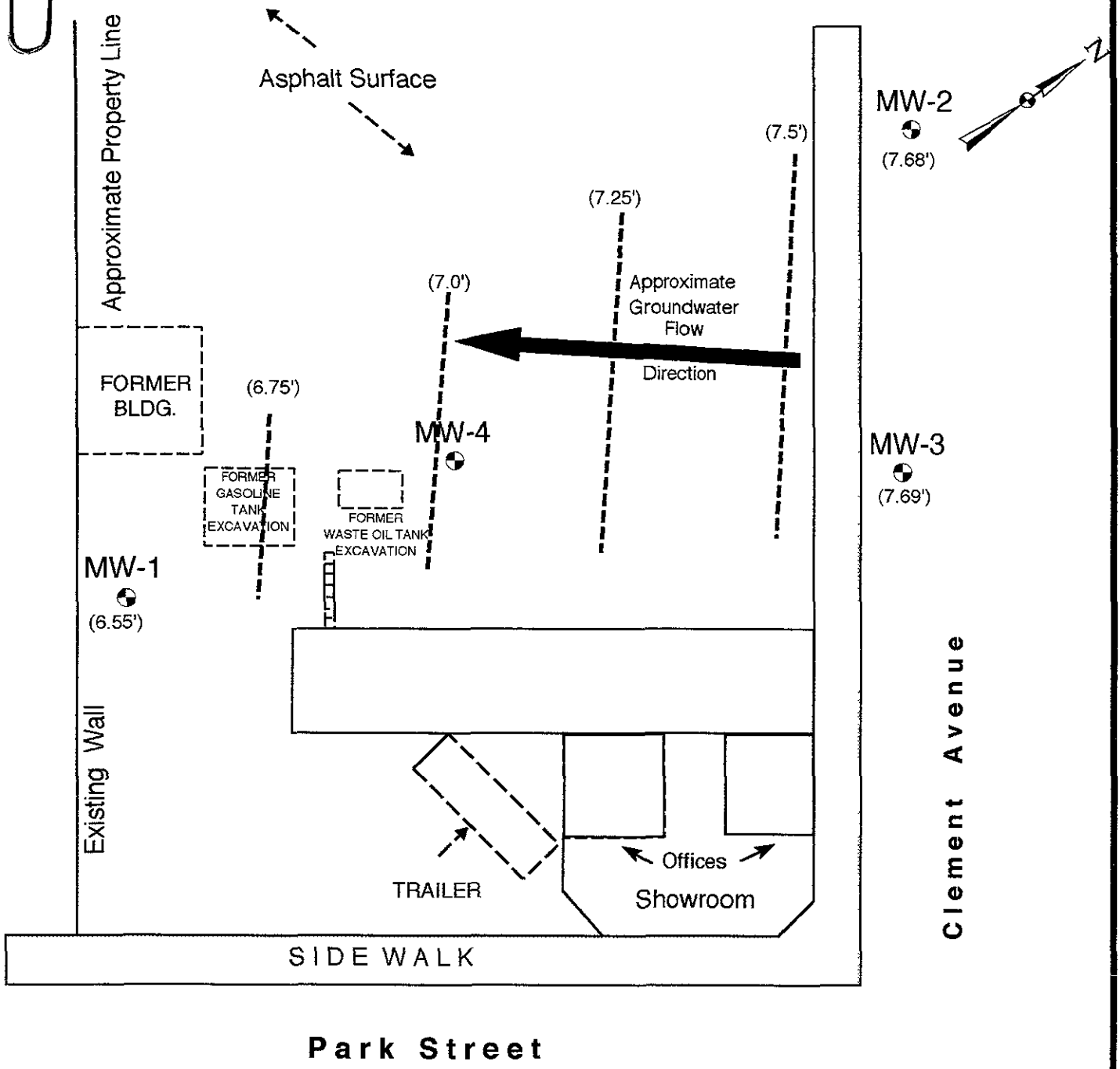
Legend

MW-1 Approximate location of monitoring well

Storm water grate

SCALE 1" = 30'

ACC Environmental Consultants, Inc. 7977 Capwell Drive, Suite 100 Alameda, California 94501		SITE PLAN: Ron Goode Toyota Dealership 1825 Park Street Alameda, California	
Project No. 6089-1	Date: 8/20/95	Dn by: DRD	Figure No. 2



Legend

MW-1 Approximate location of monitoring well

Storm water grate

SCALE 1" = 30'

Elevations measured on 9/19/95 in feet above mean sea level

ACC Environmental Consultants, Inc. 7977 Capwell Drive, Suite 100 Oakland, California 94621		GRADIENT MAP: Ron Goode Toyota Dealership 1825 Park Street Alameda, California	
Project No. 6089-1	Date: 10/27/95	Dn by: DRD	Figure No. 3

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ACC MONITORING WELL WORKSHEET

JOB NAME: LEN GOODE TOYOTA	PURGE METHOD: MANUAL BAILING
SITE ADDRESS: 1825 PARK ST	SAMPLED BY: JOHN CONKLIN
JOB #: 6089-1.1	LABORATORY: CHROMALAB
DATE: 9-19-95	ANALYSIS:
Onsite Drum Inventory SOIL: ⊘	MONITORING ☒ DEVELOPING ☐
EMPTY: ⊘ WATER: 1-100% 1-30%	SAMPLING ☒

WELL: MW-1

DEPTH OF BORING: 14.77'
DEPTH TO WATER: 8.02'
WATER COLUMN: 6.05'
WELL DIAMETER: 2"
WELL VOLUME: ≈ 1.1 gal
COMMENTS:
NEED SPECIAL * WRENCH TO OPEN

PURGE VOLUME (Gal)	HYDAC READINGS pH	Temp. (F)	Cond. un/cm (X100)
1.1	8.93	77.0	2.02
2.2	8.29	75.5	1.87
3.3	8.33	74.1	1.88
	8.32	73.8	1.90
	8.20	74.7	1.94
	8.02	73.5	1.89
	8.01	73.0	1.88
4.4	8.01	73.0	1.88

OBSERVATIONS: ☐ Froth ☐ Sheen ☐ Odor Type_____ ☐ Free Product Amount_____Type_____ ☐ Other

WELL: MW-2

DEPTH OF BORING: 11.4' Top of CASING PVC
DEPTH TO WATER: 11.7' STREET LEVEL
WATER COLUMN: 4.0' ~~Top of CASING~~
WELL DIAMETER:
WELL VOLUME:
COMMENTS:
BLACK GRAINS ON MEAS. TAPE & BAILER

(Gal)	pH	Temp. (F)	Cond. un/cm

OBSERVATIONS: ☐ Froth ☐ Sheen ☐ Odor Type_____ ☐ Free Product Amount_____Type_____ ☐ Other
-SHATTERED PVC
-TAR COVERED VAULT BOX

WELL: MW-3

DEPTH OF BORING: 14.41'
DEPTH TO WATER: 4.06'
WATER COLUMN: 10.35'
WELL DIAMETER: 2"
WELL VOLUME: ≈ 1.6 gal
COMMENTS:

(Gal)	pH	Temp. (F)	Cond. un/cm (X1000)
1.6	12.43		7.15
3.2	12.31		6.55
4.8	12.22		6.49
	12.07		6.40
	12.09		6.39
	12.17		6.39
	12.21		6.38
6.4	12.20		6.39

OBSERVATIONS: ☐ Froth ☐ Sheen ☐ Odor Type_____ ☐ Free Product Amount_____Type_____ ☐ Other

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ACC MONITORING WELL WORKSHEET

JOB NAME: LEN GOODE TOYOTA	PURGE METHOD:
SITE ADDRESS: 1825 PARK ST	SAMPLED BY:
JOB #: 6089-1.1	LABORATORY:
DATE: 9-19-95 CONT'D	ANALYSIS:
Onsite Drum Inventory SOIL:	MONITORING ☒ DEVELOPING ☐
EMPTY: WATER:	SAMPLING ☒

WELL: MW-4

DEPTH OF BORING: 14.42'

DEPTH TO WATER: 4.72'

WATER COLUMN: 9.70'

WELL DIAMETER: 2"

WELL VOLUME: ≈1.6gal

COMMENTS:

PURGE VOLUME (Gal)	HYDAC READINGS pH	Temp. (F)	Cond. un/cm
1.6	10.25	86.3	2.79
3.2	10.38	88.3	3.55
4.8	10.05	85.1	3.43
	9.89	86.8	3.27
	9.68	85.1	3.13
	9.50	85.1	2.93
	9.51	85.1	2.96
6.4	9.51	85.1	2.95

OBSERVATIONS: ☐ Froth ☐ Sheen ☐ Odor Type_____ ☐ Free Product Amount_____Type_____ ☐ Other

WELL:	(Gal)	pH	Temp. (F)	Cond. un/cm
DEPTH OF BORING:				
DEPTH TO WATER:				
WATER COLUMN:				
WELL DIAMETER:				
WELL VOLUME:				
COMMENTS:				

☐ Froth ☐ Sheen ☐ Odor Type_____ ☐ Free Product Amount_____Type_____ ☐ Other

WELL:	(Gal)	pH	Temp. (F)	Cond. un/cm
DEPTH OF BORING:				
DEPTH TO WATER:				
WATER COLUMN:				
WELL DIAMETER:				
WELL VOLUME.				
COMMENTS:				

☐ Froth ☐ Sheen ☐ Odor Type_____ ☐ Free Product Amount_____Type_____ ☐ Other

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APPENDIX B

Laboratory Analysis Reports and Chain-of-Custody Record

CHROMALAB, INC.

Environmental Services (SDB)

September 26, 1995

ACC ENVIRONMENTAL CONSULTANTS *Submission #:* 9509228

Atten: David Dement

Project: 1825 PARK ST. *Project#:* 6089-1.1

REPORTING INFORMATION

Sample(s) were received cold and in good condition on **September 19, 1995.** They were refrigerated on receipt, and analyzed on the date shown on the attached report. ChromaLab followed EPA or equivalent methods for all analyses reported.

Also Motor Oil is present in the sample.

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

CHROMALAB, INC.

Environmental Services (SDB)

September 25, 1995 *Submission #:* 9509228

ACC ENVIRONMENTAL CONSULTANTS

Atten: David Dement

Project: 1825 PARK ST. *Project#:* 6089-1.1
Received: September 19, 1995

re: 1 sample for Oil and Grease analysis.
Method: STANDARD METHODS 5520 B&F

Sampled: September 19, 1995 *Matrix:* WATER *Extracted:* September 22, 1995
Run: 8572-C *Analyzed:* September 22, 1995

Spl #	Sample ID	OIL & GREASE (mg/L)	REPORTING LIMIT (mg/L)	BLANK RESULT (mg/L)	BLANK SPIKE RESULT (%)
103427	MW-4	N.D.	1.0	N.D.	98

Carolyn House
Extractions Supervisor

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)

September 26, 1995 *Submission #:* 9509228

ACC ENVIRONMENTAL CONSULTANTS

Atten: David Dement

Project: 1825 PARK ST. *Project#:* 6089-1.1
Received: September 19, 1995

re: One sample for Volatile Halogenated Organics analysis.
Method: EPA 8010

SampleID: **MW-4**
Sample #: 103427 *Matrix:* WATER
Sampled: September 19, 1995 *Run:* 8610-O *Analyzed:* September 22, 1995

Analyte	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
CHLOROMETHANE	N.D.	0.5	N.D.	--
VINYL CHLORIDE	N.D.	0.5	N.D.	--
BROMOMETHANE	N.D.	0.5	N.D.	--
CHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHENE	N.D.	0.5	N.D.	84
METHYLENE CHLORIDE	N.D.	0.5	N.D.	--
TRANS-1,2-DICHLOROETHENE	N.D.	0.5	N.D.	--
CIS-1,2-DICHLOROETHENE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHANE	N.D.	0.5	N.D.	--
CHLOROFORM	N.D.	0.5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	0.5	N.D.	--
CARBON TETRACHLORIDE	N.D.	0.5	N.D.	--
1,2-DICHLOROETHANE	1.0	0.5	N.D.	--
TRICHLOROETHENE	N.D.	0.5	N.D.	112
1,2-DICHLOROPROPANE	N.D.	0.5	N.D.	--
BROMODICHLOROMETHANE	N.D.	0.5	N.D.	--
2-CHLOROETHYLVINYL ETHER	N.D.	0.5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	0.5	N.D.	--
TETRACHLOROETHENE	N.D.	0.5	N.D.	--
DIBROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROBENZENE	N.D.	0.5	N.D.	114
BROMOFORM	N.D.	0.5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	0.5	N.D.	--
1,3-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.5	N.D.	--
TRICHLOROTRIFLUOROETHANE	N.D.	0.5	N.D.	--

Oleg Nemtsov
Chemist

Ali Kharrazi
Organic Manager

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Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

September 25, 1995 *Submission #:* 9509228

ACC ENVIRONMENTAL CONSULTANTS

Atten: David Dement

Project: 1825 PARK ST. *Project#:* 6089-1.1
Received: September 19, 1995

re: 1 sample for Diesel analysis.
Method: EPA 3510/8015M

Sampled: September 19, 1995 *Matrix:* WATER *Extracted:* September 21, 1995
Run: 8562-K *Analyzed:* September 22, 1995

Spl #	Sample ID	DIESEL (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
103427	MW-4	N.D.	50	N.D.	71

Kayvan Kimyai
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Ali Kharrazi
Organic Manager

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CHROMALAB, INC.

Environmental Services (SDB)

September 26, 1995 *Submission #:* 9509228

ACC ENVIRONMENTAL CONSULTANTS

Atten: David Dement

Project: 1825 PARK ST. *Project#:* 6089-1.1
Received: September 19, 1995

re: 3 samples for Gasoline and BTEX analysis.
Method: EPA 5030/8015M/602/8020

Sampled: September 19, 1995 *Matrix:* WATER
Run: 8609-1 *Analyzed:* September 25, 1995

Spl #	Sample ID	Gasoline (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl Benzene (ug/L)	Total Xylenes (ug/L)
103424	MW-1	N.D.	N.D.	N.D.	N.D.	N.D.
103425	MW-3	180	4.7	1.4	2.0	13

Sampled: September 19, 1995 *Matrix:* WATER
Run: 8622-1 *Analyzed:* September 26, 1995

Spl #	Sample ID	Gasoline (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl Benzene (ug/L)	Total Xylenes (ug/L)
103427	MW-4	N.D.	N.D.	N.D.	N.D.	N.D.
Reporting Limits		50	0.5	0.5	0.5	0.5
Blank Result		N.D.	N.D.	N.D.	N.D.	N.D.
Blank Spike Result (%)		90	98	99	99	101

Billy Thach
Chemist

Ali Kharrazi
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2287 10542+10542+ 23958

CHROMALAB, INC.

22

DOHS 1094

SUBM #: 9509228 REP: PM
CLIENT: ACC
DUE: 09/26/95
REF #:23958

Chain of Custody

DATE 9/19/95 PAGE 1 OF 1

PROJ. MGR. DAVID DEMENT
COMPANY ACC ENVIRONMENTAL
ADDRESS 7977 CAPWELL STE 100
OAKLAND CA 94621

SAMPLERS (SIGNATURE) John Conklin (PHONE NO.) (510) 638-8400

SAMPLE ID.	DATE	TIME	MATRIX	PRESERV.	TPH - Gasoline (EPA 5030, 8015)	TPH - Gasoline (5030, 8015) w/BTEX (EPA 602, 8020)	TPH - Diesel (EPA 3510/3550, 8015)	PURGEABLE AROMATICS BTEX (EPA 602, 8020)	PURGEABLE HALOCARBONS (EPA 601, 8010)	VOLATILE ORGANICS (EPA 624, 8240, 524.2)	BASE/NEUTRALS, ACIDS (EPA 625/627, 8270, 525)	TOTAL OIL & GREASE (EPA 5520, B+F, E+F)	PCB (EPA 608, 8080)	PESTICIDES (EPA 608, 8080)	TOTAL RECOVERABLE HYDROCARBONS (EPA 418.1)	METALS: Cd, Cr, Pb, Zn, Ni	CAM METALS (17)	PRIORITY POLLUTANT METALS (13)	TOTAL LEAD	EXTRACTION (TCLP, STLC)				NUMBER OF CONTAINERS
MW-1	9/19/95		H_2O	COLD		X											D. Dement							3
MW-2	"		"	"		X	3	HOLD	PENDING			APPROVAL												3
MW-3	"		"	"		X																		3
MW-4	"		"	"		X	X		X			X												10

PROJECT INFORMATION

PROJECT NAME: 1825 PARK ST
PROJECT NUMBER: 6089-1.1
P.O. # 6089-1.1

SAMPLE RECEIPT

TOTAL NO. OF CONTAINERS	19
HEAD SPACE	
REC'D GOOD CONDITION/COLD	
CONFORMS TO RECORD	

TAT: STANDARD 5-DAY | | 24 | 48 | 72 | OTHER

SPECIAL INSTRUCTIONS/COMMENTS:

RELINQUISHED BY 1.	RELINQUISHED BY 2.	RELINQUISHED BY 3.
(SIGNATURE) John Conklin 9/19/95 (TIME)	(SIGNATURE) (TIME)	(SIGNATURE) (TIME)
(PRINTED NAME) JOHN CONKLIN (DATE)	(PRINTED NAME) (DATE)	(PRINTED NAME) (DATE)
(COMPANY) ACC ENVIRONMENTAL	(COMPANY)	(COMPANY)
RECEIVED BY 1.	**RECEIVED BY 2.**	**RECEIVED BY (LABORATORY) 3.**
(SIGNATURE) 1744 (TIME)	(SIGNATURE) (TIME)	(SIGNATURE) (TIME)
(PRINTED NAME) E. Moreau 9-19-95 (DATE)	(PRINTED NAME) (DATE)	(PRINTED NAME) (DATE)
(COMPANY) Chromalab	(COMPANY)	(LAB)