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ENVIRONMENTAL
CONSULTANTS

November 4, 1993

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

RE: Final Report for the Soil and Groundwater Investigation
Len Goode Toyota - 1825 Park Street, Alameda, CA
Project # 6089-1

Dear Len:

Per your authorization, we hereby transmit one original copy of the report for the Soil and Groundwater Investigation conducted at the above reference site to Ms. Juliet Shin of the Alameda County Health Care Services Agency, the lead regulatory agency for this site.

As we discussed today, probate will take approximately 45 days with the close of escrow to follow. We therefore anticipate that the workplan for the remediation will be submitted to the regulatory agencies by mid January 1994.

If you have any questions, please don't hesitate to call me.

Sincerely,

Susan Bayne Churchill

Susan Bayne Churchill, REA
Principal

CC: Ms. Juliet Shin - Alameda County Health Care Services Agency
Ms. Misty Kaltreider - ACC

1000 Atlantic Avenue, Suite 110 • Alameda, CA 94501 • (510) 522-8188 • FAX: (510) 865-5731

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SOIL AND GROUNDWATER INVESTIGATION

RON GOODE TOYOTA
1825 PARK STREET
ALAMEDA, CALIFORNIA

November 1993

Prepared for:
Mr. Len Goode
Ron Goode Toyota
1825 Park Avenue
Alameda, CA 94501

Prepared by:

Misty Kaltreider
Project Geologist

Reviewed by:

Elizabeth Herbert, R.G.
Registered Geologist

REGISTERED GEOLOGIST
ELIZABETH
HERBERT
4819
STATE OF CALIFORNIA

1000 Atlantic Avenue, Suite 110 • Alameda, CA 94501 • (510) 522-8188 • FAX: (510) 865-5731

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1.0 INTRODUCTION

This report presents the procedures and findings of a soil and groundwater investigation conducted by ACC Environmental Consultants, Inc., on behalf of Mr. Len Goode, tenant at Ron Goode Toyota, 1825 Park Avenue, Alameda, California. The project objective, as described in the Consulting Services Agreement prepared on March 23, 1993, was to drill ten to twelve soil borings to evaluate the extent of hydrocarbon impact (Figure 1).

One boring was converted into a 2-inch diameter groundwater monitoring well. The well was placed adjacent to the former waste oil tank to determine if groundwater has been impacted from the previous underground storage of waste oil. The location of the monitoring well and the type of soil and groundwater samples collected followed guidelines of the "Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites", dated August 10, 1990.

During the field investigation, soil impacted with petroleum hydrocarbons was encountered. Step-out borings were drilled to evaluate the lateral extent of hydrocarbon impact in groundwater and soil. A total of seventeen soil borings were drilled to evaluate the lateral extent of contamination both on and off site.

During drilling, groundwater was encountered at approximately 5 to 6 feet below ground surface. Grab groundwater samples from each boring were analyzed to determine if groundwater has been impacted by hydrocarbons.

2.0 BACKGROUND

Two underground storage tanks were removed from the site by Zaccor Corporation on December 27, 1990. One tank contained waste oil and had a capacity of 300 gallons. It 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 tank had a capacity of 550 gallons and contained gasoline. The 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 excavations 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 augered 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. The approximate locations of monitoring wells are illustrated in Figure 2. Analytical results of soil samples collected during drilling indicated TPH as gasoline concentrations below detection limits (monitoring wells MW-1 and MW-2). 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. 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.

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.

ACC was retained by Mr. Len Goode in April 1993 to determine the extent of petroleum hydrocarbon contamination.

3.0 FIELD PROCEDURES

Boring MW-4 was drilled on April 14, 1993 in order to comply with concerns mentioned in a letter from the California Regional Water Quality Control Board dated January 2, 1992.

A Semco limited access drill rig equipped with 8-inch outside diameter hollow-stem augers was used to drill boring MW-4. Subsurface soil samples were obtained with a Modified California Split-Spoon Sampler equipped with three six-inch long brass liners. Soil samples were collected every five feet, at any noted changes in lithology, and at the approximate soil/groundwater interface. Subsurface soil samples were obtained by drilling to the approximate sampling location and then driving the sampler eighteen inches into undisturbed material.

The sampler and brass liners were pre-cleaned prior to use and between sample drives by washing with a trisodium phosphate (TSP) and potable water solution, a potable water rinse, and distilled water rinse.

The soil cuttings and samples were logged by an ACC geologist during drilling operations. Lithologic logs of the borings are attached in Appendix A. The soil cuttings are described in accordance with the Unified Soil Classification System, attached in Appendix A. Soil cuttings were stored in sealed 55-gallon drums on-site and were labeled with a waste material sticker identifying the content, date obtained and the generator name.

Borings S-1 through S-17 were drilled on April 15 and 16, 1993 (Figure 2). The drilling method used a precision sampling tool equipped with 5-foot sections of 3/4-inch inside diameter galvanized steel probe pipe which was connected to a 1-foot long galvanized steel soil core tube. Stainless steel insert rods were placed through the probe pipe and sampling core. The probe pipe, soil core and insert rods were together pneumatically driven to the depth desired. The insert rods were removed and the probe pipe and core were driven one foot to obtain a soil sample. The probe pipe, insert rods, and sampling core were all pre-cleaned prior to use and between sample drives by washing with trisodium phosphate (TSP) and potable water solution, a potable water rinse, and distilled water rinse.

The samples were pre-screened with an HNu photoionization detector (PID) calibrated for hexane. The soil samples were logged by Ms. Misty Kaltreider, ACC geologist, during drilling and sampling in accordance with the Unified Soil Classification System. Lithologic logs of the borings and the Unified Soil Classification System are attached in Appendix A.

Upon collection, each end of the probe pipe or brass liner was covered with Teflon tape and plastic caps, and labeled. All samples were stored in an ice-filled cooler to be submitted under chain of custody to Excelchem, a Cal-EPA certified mobile laboratory which operated on-site April 15 - 16, 1993.

One soil and one groundwater sample from each boring and one soil sample from MW-4 boring were submitted to Excelchem for analysis according to the "Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites", dated August 10, 1990 which included; Total Petroleum Hydrocarbons (TPH) as gasoline by EPA test method 8015 and benzene, toluene, ethylbenzene, and total xylenes (BTEX) by EPA test method 8020 and total oil and grease by EPA test method 5520. In addition to the above analysis sample MW-4-5' was analyzed for TPH as diesel by modified EPA test method 8015, semi-volatile hydrocarbons by EPA test method 8040, and five LUFT metals (Cadmium, Chromium, Lead, Zinc and Nickel) by Atomic Absorption method, and EPA test method 8270 for detection of semi-volatile hydrocarbons. Copies of the analytical results and chain of custody forms are provided in Appendix B.

3.1 Monitoring Well Construction and Development

Monitoring well MW-4 was installed within the boring MW-4 upon completion of drilling. Well construction details are attached in Appendix A. Monitoring Well MW-4 was installed with well casings consisting of 2-inch I.D. Schedule 40 PVC with 12 feet of 0.020-inch factory slotted screen below 3 feet of solid casing.

The well was installed with Lonestar #3 sand used as annular fill to one-half foot above the top of the screen. One-half foot of 1/4-inch pelletized bentonite was placed between the annular sand and neat cement seal. A "Christy" box was cemented over the top of the PVC casing and set slightly above grade to drain surface waters away from the well head. A locking expansion plug with lock was placed on the well.

The well was developed on April 26, 1993. During development, the well was surged using a double-ended rubber O-ring stopper followed by bailing, using a precleaned stainless steel bailer. The well was developed until development water was clear and essentially free of fine material. Ten well casing volumes of water were removed from the well.

3.2 Groundwater Sampling

Groundwater samples were collected from monitoring well MW-4 on May 14, 1993. 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. Information regarding well elevation and groundwater level measurement is summarized below in Table 1.

TABLE 1
Groundwater Depth Information
Well No. MW-4 Elevation of Top of Casing-13.00 MSL

Date Sampled	Depth to Groundwater (ft)	Groundwater Elevation (ft)
May 14, 1993	5.5	7.5

Notes:
All measurements in feet
MSL = Mean Sea Level

After water-level measurements were collected, monitoring well MW-4 was purged by hand using a designated disposable Teflon bailer. Groundwater pH, temperature and electrical conductivity were monitored during well purging. The well was considered to be purged when these parameters stabilized. Four well volumes were removed to purge monitoring well MW-4. The worksheet of groundwater conditions monitored during purging is attached in Appendix C.

After the groundwater had recovered to a minimum of approximately 80 percent of its static level, water samples were obtained using the designated disposal Teflon bailer for the well. Five 40 ml VOA vials without headspace, and three one-liter jars were filled from the water collected from monitoring well MW-4. The samples were preserved on ice and submitted to ChromaLab, a certified analytical laboratory under chain of custody protocol. Laboratory results with chain of custody forms are attached in Appendix B.

4.0 FINDINGS

4.1 Subsurface Conditions

Most drilling and sampling activities took place inside the main building on-site. The floor of the building was covered with a 4 to 6 inch concrete slab. Below the slab the subsurface soils consisted of brown silty sand (fill material) to approximately 3 feet below ground surface (bgs). Below three feet the sandy fill became slightly clayier to approximately five feet bgs. Brown sand was encountered from approximately five feet bgs to the depth investigated of 15 feet bgs. This sand is similar in appearance to the formational sandstone found throughout Alameda. The sandstone is considered part of the Merritt Sand Formation.

A report by the Alameda County Flood Control and Water Conservation District Geohydrology and Groundwater - Quality Overview, East Bay Plain Area, Alameda County, California, 205 (J) Report, June 1988, describes the Merritt Sand as consisting of loose well-sorted, fine to medium grained sand and silt, with lenses of sandy clay and clay. The sand was a wind and water deposited beach and near-shore deposit and is exposed only in the Alameda and Oakland areas.

Groundwater was encountered between 5 to 6 feet bgs during drilling. Boring MW-4 was drilled to 15 feet bgs. Borings S-1 through S-17 were drilled to approximately 5 to 7 feet bgs. Monitoring well MW-4 was completed at the drilled depth within boring MW-4.

An HNu photoionization detector (PID) was used during drilling and sampling procedures to detect field evidence of volatile hydrocarbons in the soil. Volatile hydrocarbons were detected from 3 to 5 feet bgs in boring MW-4.

4.2 Analytical Results - Soil

Analysis of soil collected from borings S4, S5, S6, S8, S9, S16, S17 and MW-4 indicated detectable levels of Total Petroleum Hydrocarbons (TPH) as gasoline with BTEX and/or total oil and grease. Analysis of soil from the other borings indicated non-detectable levels of constituents evaluated. Levels of TPH as gasoline with BTEX and oil and grease found from each sample are presented in Appendix B and summarized in Table 2.

TABLE 2
Analytical Results - Soil

Sample Number	Depth (feet)	TPH-g (ppm)	Benzene (ppm)	Toluene (ppm)	Ethylbenzene (ppm)	Xylenes (ppm)	O & G (ppm)
S1-5	5	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<1.0
S2-5	5	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<1.0
S3-5	5	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	73
S4-5	5	5.8	<0.0005	<0.0005	<0.0005	<0.0005	<1.0
S5-5	5	580	<0.0005	3.7	2.8	13	<1.0
S6-4-5	4-5	270	0.028	0.46	1.8	8.0	<1.0
S7-5	5	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<1.0
S8-5	5	39	0.053	0.55	0.22	0.92	<1.0
S9-5	5	120	<0.0005	0.068	0.48	1.8	56
S10-5	5	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<1.0
S11-5	5	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<1.0
S12-5	5	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<1.0
S13-5	5	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<1.0
S14-5	5	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<1.0
S15-5	5	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<1.0
S16-5	5	1.1	<0.0005	<0.0005	<0.0005	0.012	<1.0
S17-5	5	~~1200~~1000	~~0.32~~.44	0.~~44~~.50	6.4	29	160
MW-4-5	5	1500	<0.0005	0.31	6.1	33	10000

Notes: ppm = parts per million; O & G = Total Oil and Grease

In addition to the above analysis, sample MW-4-5 indicated 230 parts per billion (ppb) 1,1,2-Trichloroethane, 52 ppb 1,1,2,2-Tetrachloroethane, 320 ppb 4-Methyl-2-pentanone, 7.3 ppb Bromodichloromethane, 57 ppb Styrene, and 5.3 ppb Trans-1,3-Dichloropropene. These constituents were listed in the Merck index as being solvents primarily used for metal and rubber, or as paint thinner.

Some metals were reported in the soil sample from boring MW-4. Laboratory results for metals were compared to the Department of Health Services Criteria for Inorganic Constituents of Hazardous Wastes, June 1989, regulated Total Threshold Limit Concentrations (TTLC) Limits. Soils containing metals in concentrations less that TTLC and less than ten times the Soluble Limit Threshold Concentration (STLC) are not required to be tested for leachibility (per Juliet Shin, Alameda County Health Care Services Agency). Regulated STLC and TTLC levels as well as detected concentrations in the soil from boring MW-4 are illustrated in Table 3.

TABLE 3
Threshold Limit Concentrations - Soil

	Cadmium	Chromium	Nickel	Lead	Zinc
TTLC	100	2,500	2,000	1,000	5,000
STLC	1.0	560	200	250	250
MW-4	<0.5	44	<2.5	25	26

Notes: All results are recorded in parts per million

All metals reported in the soil sample from boring MW-4 were found to be below regulatory action guidelines and are considered to be within background levels.

Soil samples will be collected from the existing stockpiles generated during previous work. Results will be presented as part of the remediation options.

4.3 Analytical Results - Groundwater

One grab groundwater sample was collected from borings S-1 through S-17. Groundwater samples were collected in three 40-ml VOA vials and a one-liter bottle. After collection, the samples were submitted under chain of custody to Excelchem, the on-site mobile laboratory for analysis of TPH as gasoline by EPA test method 8015 with BTEX by EPA test method 602 and oil and grease by EPA test method 5520.

Analysis results of the grab groundwater samples indicated detectable levels of the constituents evaluated. A summary of the analysis results are listed in Table 4. Laboratory analysis with chain of custody are attached in Appendix B.

TABLE 4
Analytical Results - Groundwater

Sample Number	TPH-g (ppb)	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Xylenes (ppb)	O & G (ppm)
S1-H20	130	2.7	10	0.8	5.6	<1.0
S2-H20	52	0.7	1.9	<0.5	0.6	<1.0
S3-H20	77	1.9	4.9	0.6	3.5	<1.0
S4-H20	140	2.7	6.6	1.2	7.1	<1.0
S5-H20	6,000	75.0	280.0	160.0	540.0	<1.0
S6-H20	46,000	170.0	90.0	1,300.0	460.0	20.0
S7-H20	50	0.5	1.1	<0.5	0.8	<1.0
S8-H20	6,000,000	21,000	420,000	110,000	440,000	<1.0
S9-H20	22,000	98.0	380.0	500.0	1,900.0	<30.0
S10-H20	42,000	<0.5	150.0	370.0	1,300.0	14.0

TABLE 4, CONT
Analytical Results - Groundwater

Sample Number	TPH-g (ppb)	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Xylenes (ppb)	O & G (ppm)
S11-H20	35,000	790.0	490.0	1,700.0	4,500.0	<1.0
S12-H20	100	2.0	4.8	1.0	5.5	<1.0
S13-H20	580	8.0	10.0	<0.5	19.0	<1.0
S14-H20	180	1.4	3.2	1.2	5.5	<1.0
S15-H20	52	<0.5	<0.5	<0.5	<0.5	<1.0
S16-H20	180	1.4	2.4	0.6	3.2	<1.0
S17-H20	3,400	20.0	6.0	56.0	220.0	<1.0

Notes: ppb = parts per billion, ppm = parts per million
O & G = Total Oil and Grease

After well installation and development, one groundwater sample was collected from monitoring well MW-4 and submitted to ChromaLab for analysis for TPH as gasoline by EPA test method 5030 and BTEX by EPA test method 602, TPH as diesel by EPA test method 3510, Total Oil and Grease by EPA test method 5520 C&F, chlorinated hydrocarbons by EPA test method 601, five LUFT metals by Atomic Absorption method and EPA test method 625 for detection of semi-volatile hydrocarbons. Analytical results of the groundwater samples are presented in Appendix B and illustrated in Table 5.

TABLE 5
Analytical Results - Groundwater (MW-4)

Monitoring Well Number	TPH-g (ug/L)	TPH-d (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	O&G (mg/L)
MW-4	<50	<50	<0.5	<0.5	<0.5	<0.5	3.1

Notes:
mg/L = milligrams per liter (ppm), ug/L = micrograms per liter (ppb)
O&G = Total Oil and Grease

The analysis for TPH-diesel indicated hydrocarbons in the diesel to kerosene range. If the material is quantified as diesel, the concentration is 150 ppb.

In addition to the above analysis, samples from monitoring well MW-4 were analyzed for volatile and semi-volatile hydrocarbons. Analytical results indicated 1,2 Dichloroethane concentrations of 5.7 ppb.

Lead and zinc were detected in the groundwater sample from monitoring well MW-4 in concentrations of 0.02 and 0.088 mg/L, respectively. The concentrations are below the levels stated in "California Regional Water Quality Control Boards Water Quality Goals", October 1990, and therefore, considered to be "background" levels. Copies of the analytical results are provided in Exhibit B.

Water samples will be collected from existing 55-gallon drums generated during previous work. Results will be presented as part of remediation options.

4.4 Groundwater Gradient

Elevations for both the previous and newly installed monitoring wells were surveyed by Ron Archer Civil Engineer, Inc. to an accuracy of one-hundredth of a foot. The well elevations were surveyed at the top of the PVC well casing. The elevations of the monitoring wells were established relative to a nearby benchmark. A site map from the surveying engineer is provided in Exhibit D.

The groundwater gradient is taken from quarterly monitoring reports prepared by Environmental Technical Services. The locations of the wells are shown on Figure 2 - Site Plan. As shown in Figure 3, the groundwater gradient was 0.007, flowing approximately north (January 11, 1993 sampling round).

5.0 CONCLUSIONS

The data and observations discussed herein indicate that groundwater and subsurface soils have been impacted due to an unauthorized hydrocarbon release. The analytical parameters used for sampling performed in April 1993, were in accordance with the "Tri-Regional Water Quality Control Boards Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites", dated August 10, 1990, for gasoline and waste oil tanks.

Environmental Technical Services (ETS) has collected discrete groundwater samples from monitoring wells MW-1 through MW-3. ETS has reported TPH-g concentrations in groundwater to be below detectable limits in both on and off-site wells. Laboratory results of off-site grab groundwater samples collected by ACC indicate TPH-g concentrations up to 6,000,000 parts per billion, essentially phase-separated product (PSP). The distance between monitoring well MW-3 and the boring with apparent PSP is approximately 50 feet.

Reasons for the disparity of analytical results of discrete and grab groundwater samples include subsurface conduits which localize hydrocarbon impact, construction and screening intervals of monitoring wells, or subsurface hydraulic barriers. Subsurface hydraulic barriers may be subtle differences in formational material or dense man-made structures.

Based on past experience, poorly constructed monitoring wells or wells with incorrect screening intervals for existing subsurface conditions often account for inconsistant groundwater results.

Discrete groundwater samples from monitoring well MW-4, located approximately 10 feet from the former waste oil tank, contained below detectable limits of TPH-g and its constituents. The analysis for TPH-diesel indicated hydrocarbons that if quantified as diesel, would have a concentration of 150 ppb. Volatile and semi-volatile hydrocarbon and LUFT metal concentrations are below regulatory action levels.

Laboratory results indicate that concentrations of TPH-g and Total Oil and Grease in on-site grab groundwater samples varied from below detectable limits to 46,000 ppb and 20 ppm, respectively. Grab groundwater samples collected from borings located in Clement Avenue had TPH-g concentrations which ranged from below detectable limits to below 30 ppm. Laboratory results and approximate limits of the groundwater hydrocarbon plumes are presented in Figures 4 and 5.

TPH-g concentrations in on-site soil samples varied from below detectable limits to 1,500 ppm (MW-4). TPH-g levels in soil samples collected from borings advanced in Clement Avenue ranged from below detectable limits to 120 ppm. Total Oil and Grease concentrations in samples collected from on-site borings varied from below detectable limits to 10,000 ppm (MW-4). Soil samples collected from borings advanced in Clement Avenue had Total Oil and Grease concentrations which ranged from below detectable limits to 56 ppm. Laboratory results and approximate limits of the soil hydrocarbon plumes are presented in Figures 6 and 7.

As Figures 4 to 7 indicate, the highest TPH-g concentration in groundwater is not near the highest TPH-g concentration in soil. Similarly, the highest Total Oil and Grease concentrations in soil and groundwater do not coincide. In addition, the highest TPH-g concentration in either soil or groundwater does not coincide with the highest Total Oil and Grease concentration in either soil or groundwater. Lack of correlation between high soil and groundwater concentrations can indicate that movement of plumes in both soil and groundwater has occurred since hydrocarbon release.

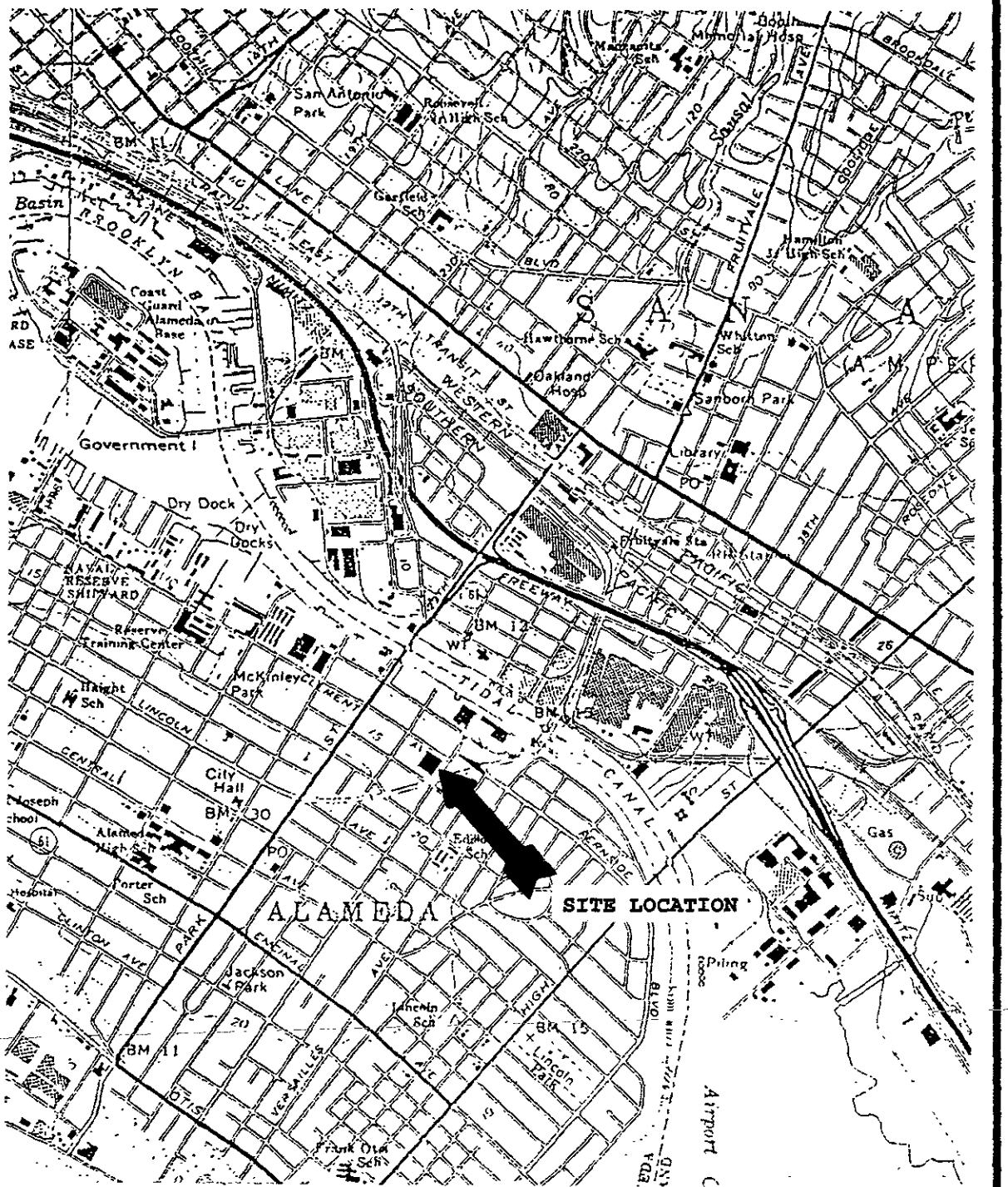
6.0 RECOMMENDATIONS

ACC recommends that the owner of the site notify appropriate regulatory agencies as to the contents of this report. ACC anticipates that the agencies will request that both on-site and off-site hydrocarbon plumes in soil and groundwater be mitigated to closure levels using the most cost-effective method.

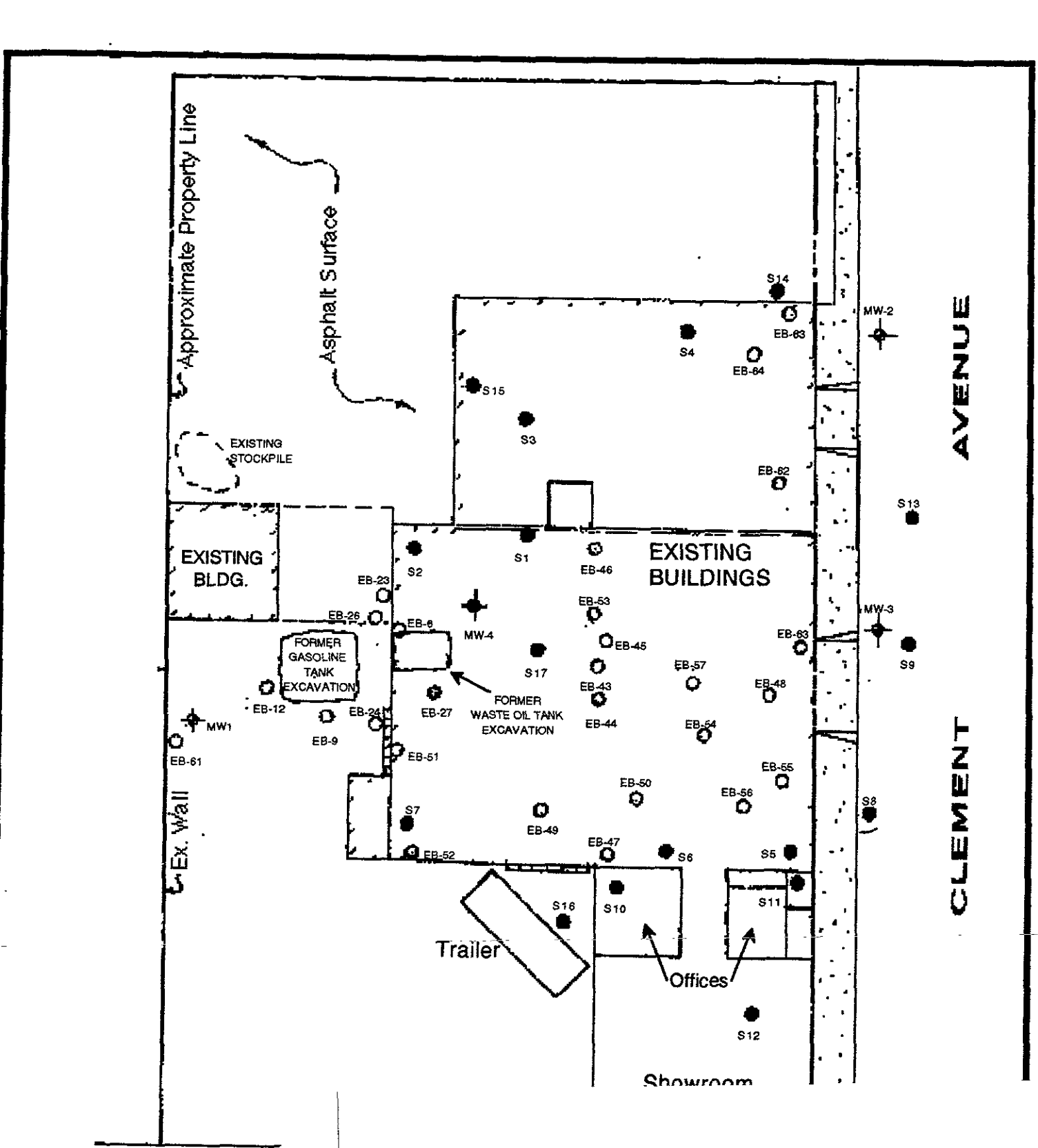
To assist with remediation of the off-site groundwater hydrocarbon plume, ACC recommends that monitoring well MW-3 be properly destroyed. A new monitoring well should be installed in the approximate location of boring S8. The new monitoring well should be screened from 3 feet below ground surface to total depth of the well. Additional borings may be

required in Clement Avenue by the regulatory agencies to define the extent of hydrocarbon impact in soil and groundwater.

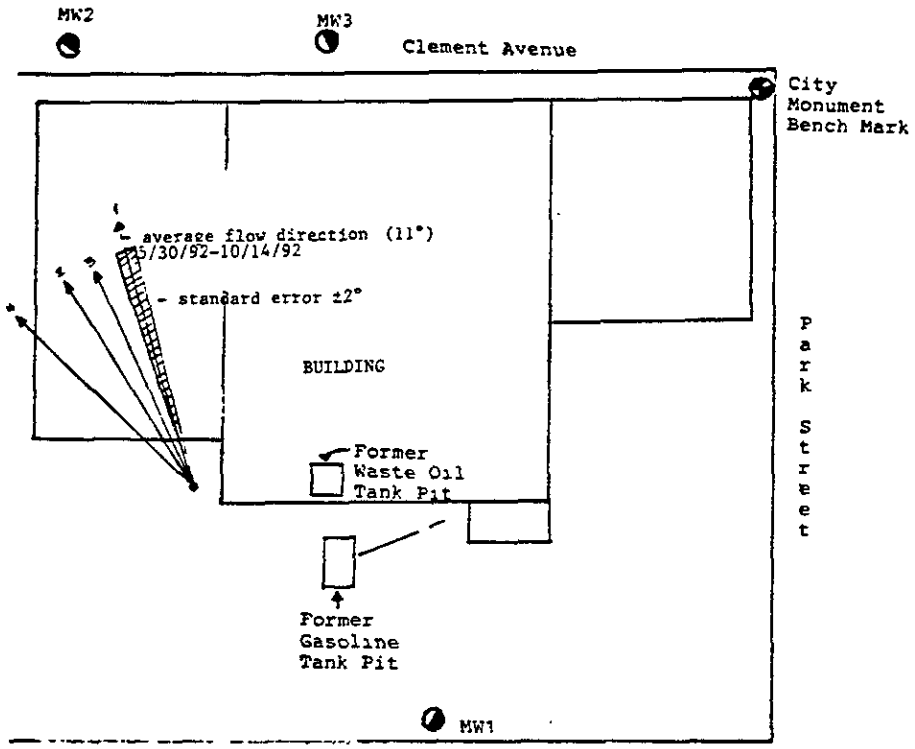
ACC recommends that quarterly groundwater monitoring and sampling of existing wells continue for one year. However, the analytical parameters for groundwater samples taken from monitoring well MW-4 (adjacent to the former waste oil tank) will include the analysis of TPH as gasoline, TPH as diesel, BTEX, and oil and grease. Semi-volatile and volatile hydrocarbons and metal analysis will not be performed for groundwater samples taken from monitoring well MW-4. These analyses were found to be below the regulatory action levels and therefore do not require further investigation.



ACC Environmental Consultants, Inc. 1000 Atlantic Avenue, Suite 110 Alameda, California 94501		Site Location Map	
Project No.	Date: 4/9/93	Dn by: ELH	Figure 1



Project No. 6089-



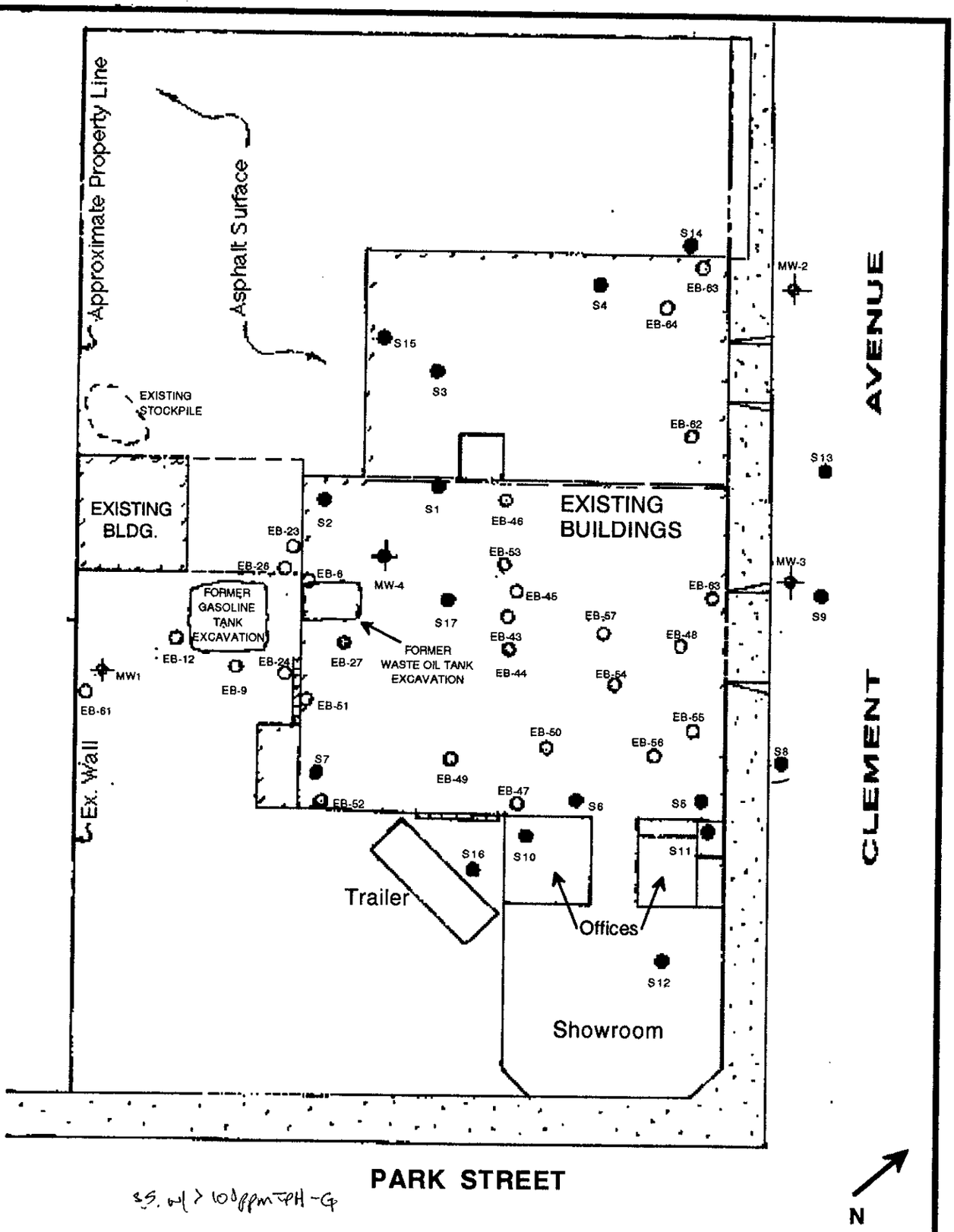
GROUNDWATER GRADIENT DATA

Map No.	Date	Flow Azimuth	Grad. (ft/ft)	H1* (ft.)
1	05/30/92	9°	.0074	5.33
	06/28/92	10°	.0075	5.39
	07/28/92	12°	.0059	4.36
	08/17/92	11°	.0059	4.38
	09/11/92	11°	.0059	4.34
	10/14/92	14°	.0059	4.18
2	11/10/92	355°	.0058	4.10
3	12/11/92	2°	.0061	3.02
4	01/11/93	341°	.0067	3.22

*H1 = water elevation in MW1

Taken from "A Report Documenting the Purging and Sampling of Three Groundwater Monitoring Wells on Three Consecutive Quarters and the Determination of Ground-water Gradient for Nine Consecutive Months", Environmental Technical Services, February 7, 1993

ACC Environmental Consultants, Inc. 1000 Atlantic Avenue, Suite 110 Alameda, California 94501		Groundwater Gradient	
Project No.	Date: 4/11/93	Dn by: CM	Figure 3



SS. wl > 10 ppm TPH-G

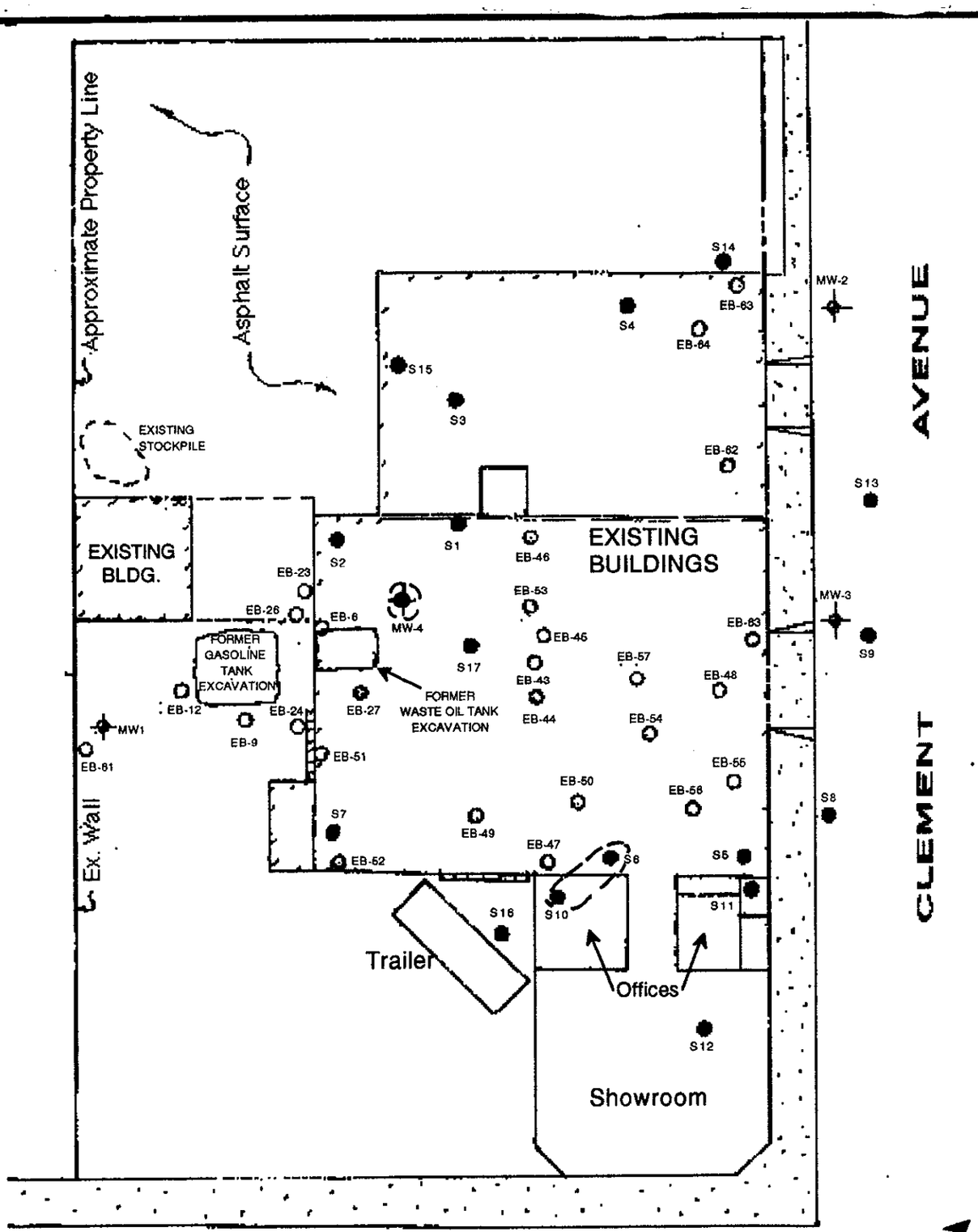
N

SCALE 1" = 30'

LEGEND

- EB-2 Approximate location of boring - Zaccor
- S1 Approximate location of boring - ACC
- MW-4 Approximate location of monitoring well - ACC
- MW-1 Approximate location of monitoring well - Zaccor
- Storm water grate

ACC Environmental Consultants, Inc. 1000 Atlantic Avenue, Suite 110 Alameda, California 94501		SITE MAP	
Project No. 6089-1	Date: 4/28/93	Dn by: MAS	Figure No. 2



Analytical Results

Samples from ACC Borings

Boring No.	TOG
S1	ND
S2	ND
S3	ND
S4	ND
S5	ND
S6	20
S7	ND
S8	ND
S9	<30
S10	14
S11	ND
S12	ND
S13	ND
S14	ND
S15	ND
S16	ND
S17	ND
MW-4	3.1

Samples from Zaccor Borings*

Boring No.	TOG
MW-1	ND
MW-2	ND
MW-3	ND

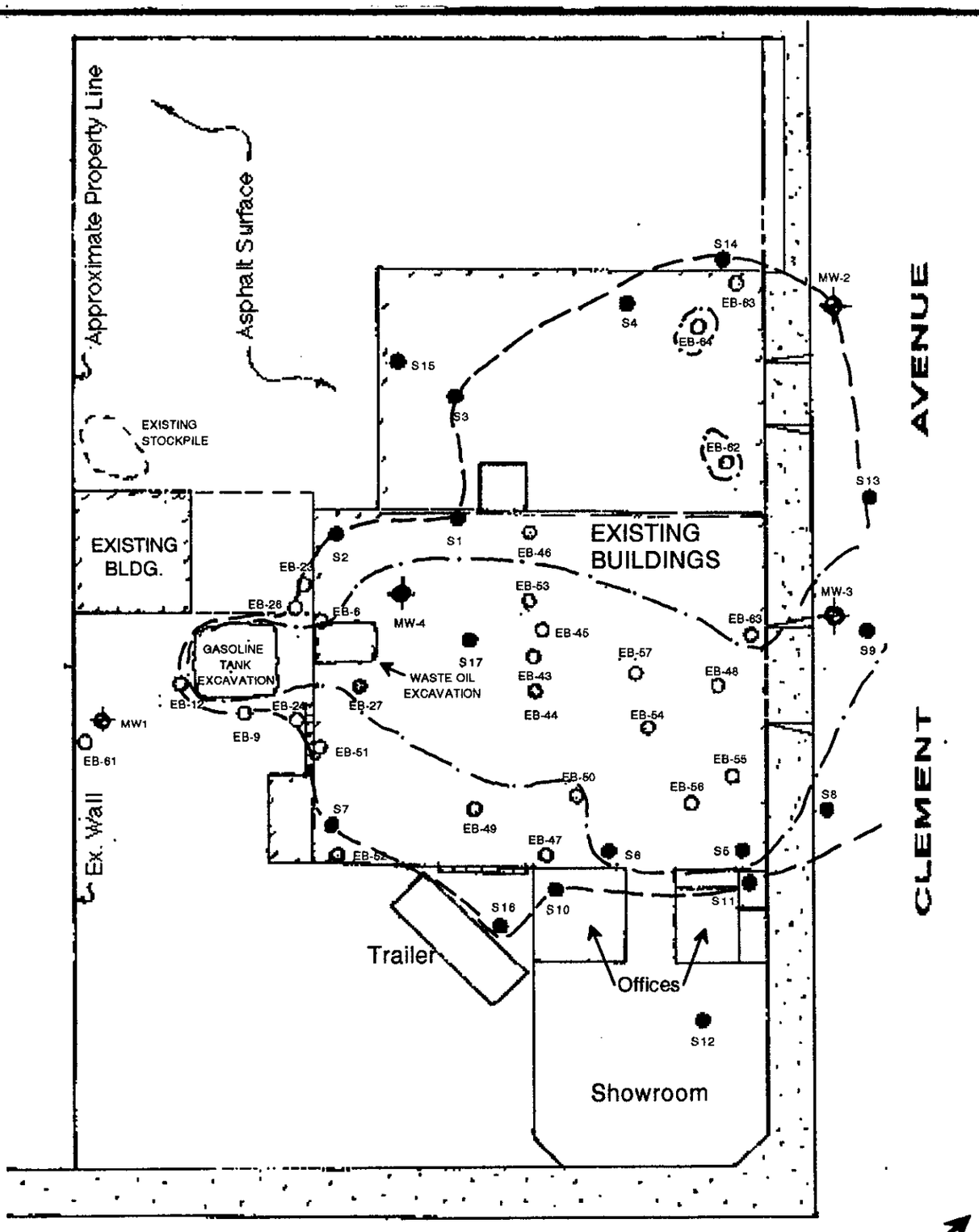
*Results from sampling round 2/4/93
TOG = Total Oil and Grease
ND = Below Detection Limit

SCALE 1" = 30'

LEGEND

- EB-2 Approximate location of boring - Zaccor
- S1 Approximate location of boring - ACC
- MW-4 Approximate location of monitoring well - ACC
- MW-1 Approximate location of monitoring well - Zaccor
- Storm water grate
- Approximate location of non-detect line for TOG

ACC Environmental Consultants, Inc. 1000 Atlantic Avenue, Suite 110 Alameda, California 94501		Total Oil and Grease Concentrations in Groundwater (ppb)	
Project No. 6089-1	Date: 4/28/93	Dn by: MAS	Figure No. 5



Analytical Results

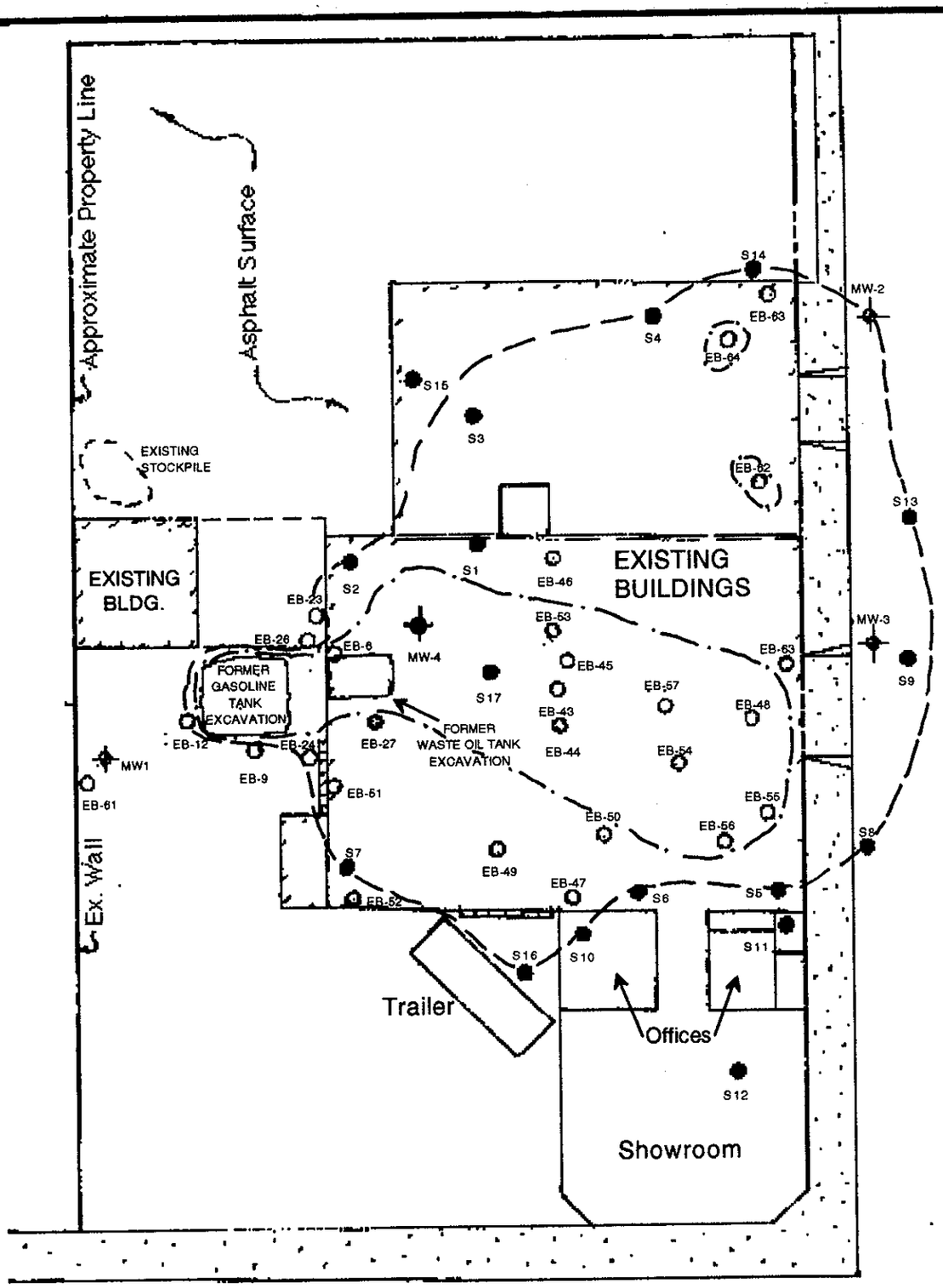
Samples from ACC Borings			Samples from Zaccor Borings		
Boring No.	TPH-g	Benzene	Boring No.	TPH-g	Benzene
S1	ND	ND	EB-6	17	ND
S2	ND	ND	EB-9	ND	ND
S3	ND	ND	EB-12	ND	ND
S4	6.8	ND	EB-23	ND	ND
S5	680	ND	EB-24	ND	ND
S6	270	0.028	EB-26	ND	ND
S7	ND	ND	EB-27	1,900	ND
S8	39	0.053	EB-38	ND	ND
S9	120	ND	EB-39	ND	ND
S10	ND	ND	EB-47	ND	ND
S11	ND	ND	EB-52	ND	ND
S12	ND	ND	EB-55	ND	ND
S13	ND	ND	EB-61	ND	ND
S14	ND	ND	EB-62	97	ND
S15	ND	ND	MW-1	ND	ND
S16	1.1	ND	MW-2	ND	ND
S17	1,000	0.32	MW-3	260	0.003
MW-4	1,600	ND			

SCALE 1" = 30'

LEGEND

- O EB-2 Approximate location of boring - Zaccor
- ● S1 Approximate location of boring - ACC
- MW-4 Approximate location of monitoring well - ACC
- MW-1 Approximate location of monitoring well - Zaccor
- Storm water grate
- Approximate location of non-detect line for TPH-g
- Approximate location of 100 ppm (TPH-g) or observed impact

ACC Environmental Consultants, Inc. 1000 Atlantic Avenue, Suite 110 Alameda, California 94501	Total Petroleum Hydrocarbons As Gasoline and Benzene Concentrations In Soil (ppm)
Project No. 6089-1 | Date: 4/28/93 | Dn by: MAS	Figure No. 6



Analytical Results

Samples from ACC Borings

Boring No.	TOG
S1	ND
S2	ND
S3	73
S4	ND
S5	ND
S6	ND
S7	ND
S8	ND
S9	56
S10	ND
S11	ND
S12	ND
S13	ND
S14	ND
S15	ND
S16	ND
S17	160
MW-4	10,000

Samples from Zaccor Borings

Boring No.	TOG
EB-6	ND
EB-9	NT
EB-12	NT
EB-23	ND
EB-24	70
EB-26	NT
EB-27	80
EB-38	ND
EB-39	ND
EB-47	ND
EB-52	ND
EB-55	ND
EB-61	ND
EB-62	380
MW-1	ND
MW-2	ND
MW-3	17

ND =Not Detected NT= Not Tested TOG=Total Oil and Grease

SCALE 1" = 30'

LEGEND

- EB-2 Approximate location of boring - Zaccor
- S1 Approximate location of boring - ACC
- MW-4 Approximate location of monitoring well - ACC
- MW-1 Approximate location of monitoring well - Zaccor
- Storm water grate
- Approximate location of non-detect line for TOG
- Approximate location of 100 ppm line or observed impact

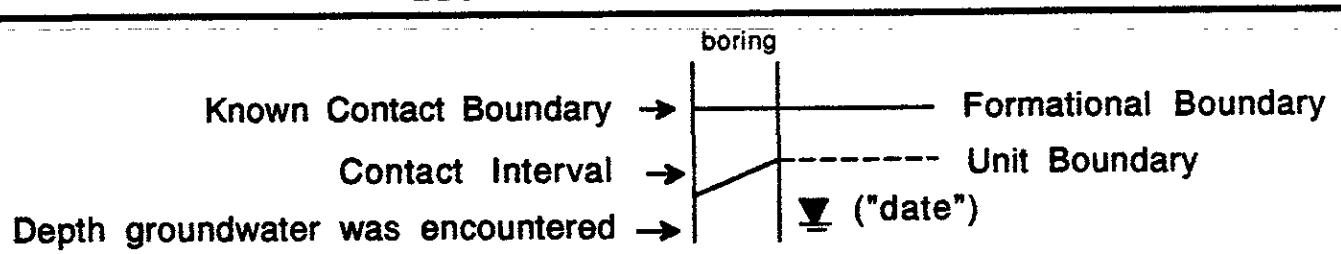
ACC Environmental Consultants, Inc. 1000 Atlantic Avenue, Suite 110 Alameda, California 94501		Total Oil and Grease Concentrations In Soil (parts per million)	
Project No. 6089-1	Date: 4/28/93	Dn by: MAS	Figure No. 7

EXHIBIT A

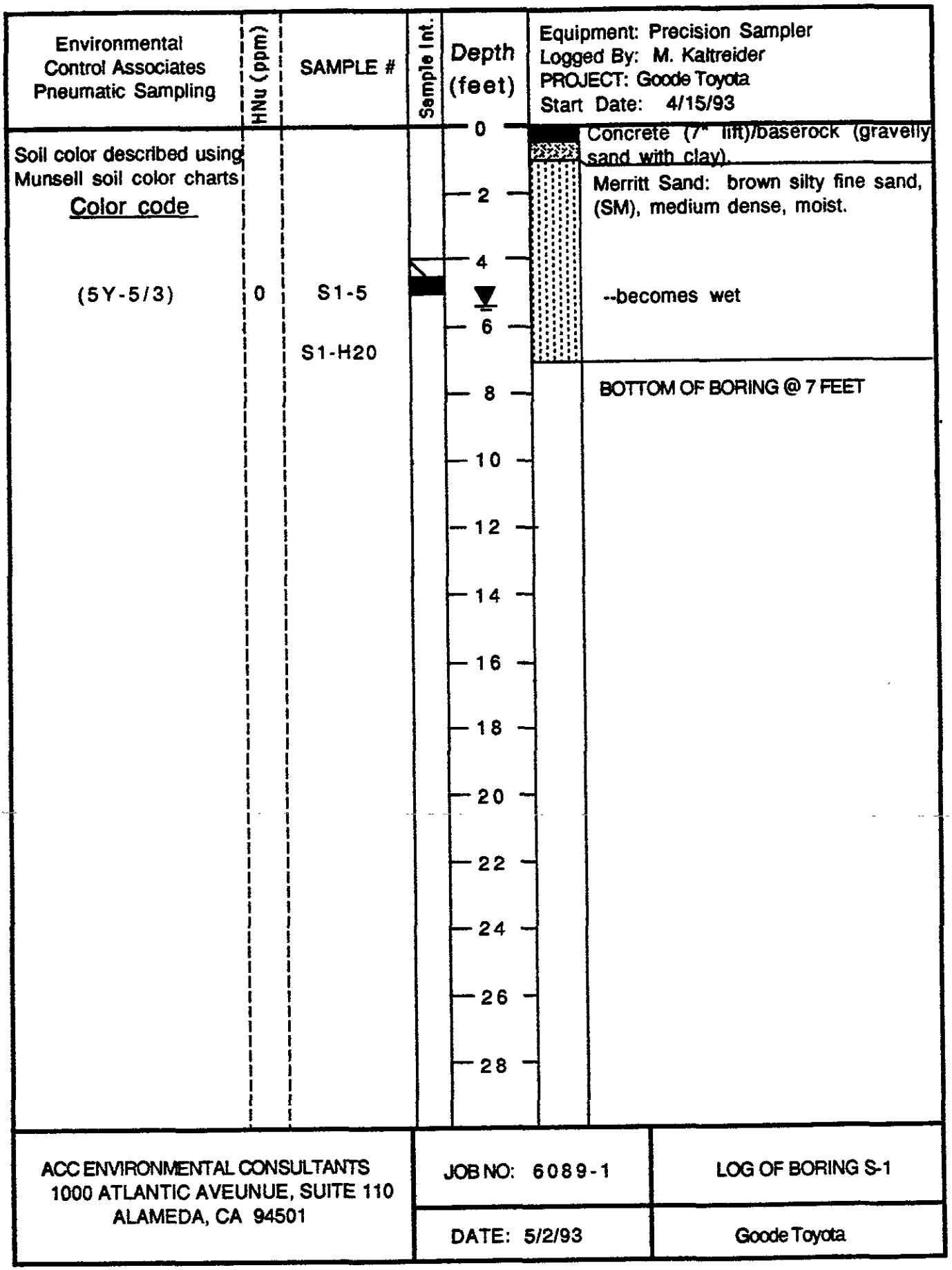
UNIFIED SOIL CLASSIFICATION SYSTEM

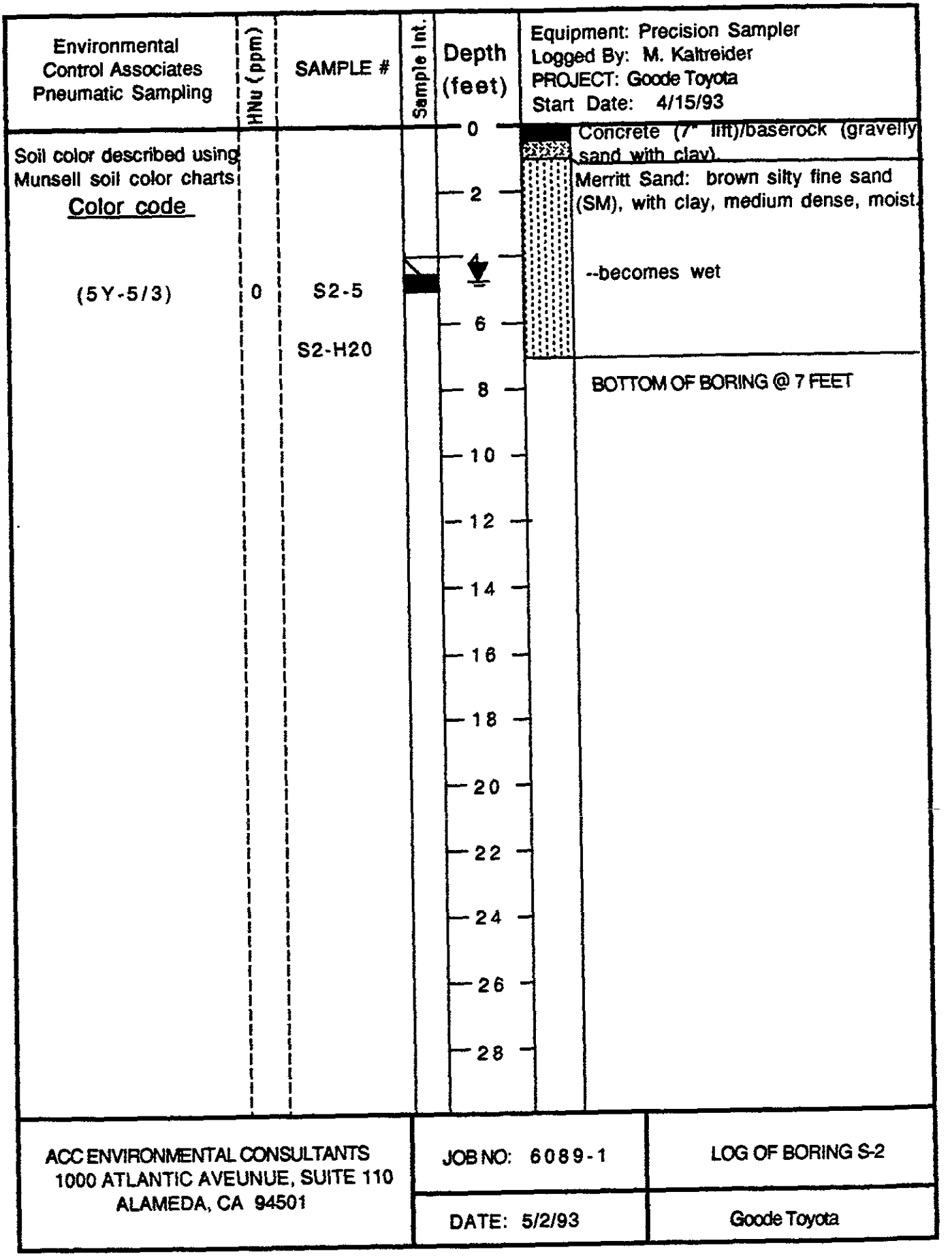
	MAJOR DIVISIONS				TYPICAL NAMES
COARSE GRAINED SOILS more than half > #200 sieve	GRAVELS more than half coarse fraction is larger than No. 4 sieve	CLEAN GRAVELS WITH LITTLE OR NO FINES	GW		well graded gravels, gravel-sand mixtures
			GP		poorly graded gravels, gravel-sand mixtures
		GRAVELS WITH OVER 12% FINES	GM		silty gravels, poorly graded gravel-sand silt mixtures
			GC		clayey gravels, poorly graded gravel-sand clay mixtures
	SANDS more than half coarse fraction is smaller than No. 4 sieve	CLEAN SANDS WITH LITTLE OR NO FINES	SW		well graded sands, gravelly sands
			SP		poorly graded sands, gravelly sands
		SANDS WITH OVER 12% FINES	SM		silty sands, poorly graded sand-silt mixtures
			SC		clayey sands, poorly graded sand-clay mixtures
FINE GRAINED SOILS more than half < #200 sieve	SILTS AND CLAYS liquid limit less than 50		ML		inorg. silts and v.fine sands, rock flour silty o clayey sands, or clayey silts w/sl. plasticity
			CL		inorg. clays of low-med plasticity, gravelly clays, sandy clays, silty clays, lean clays
			OL		organic clays and organic silty clays of low plasticity
	SILTY AND CLAYS liquid limit greater than 50		MH		inorganic silty, micaceous or diatomacious fine sandy or silty soils, elastic silts
			CH		inorganic clays of high plasticity, fat clays
			OH		organic clays of medium to high plasticity organic silts
	HIGHLY ORGANIC SOILS		Pt		peat and other highly organic soils

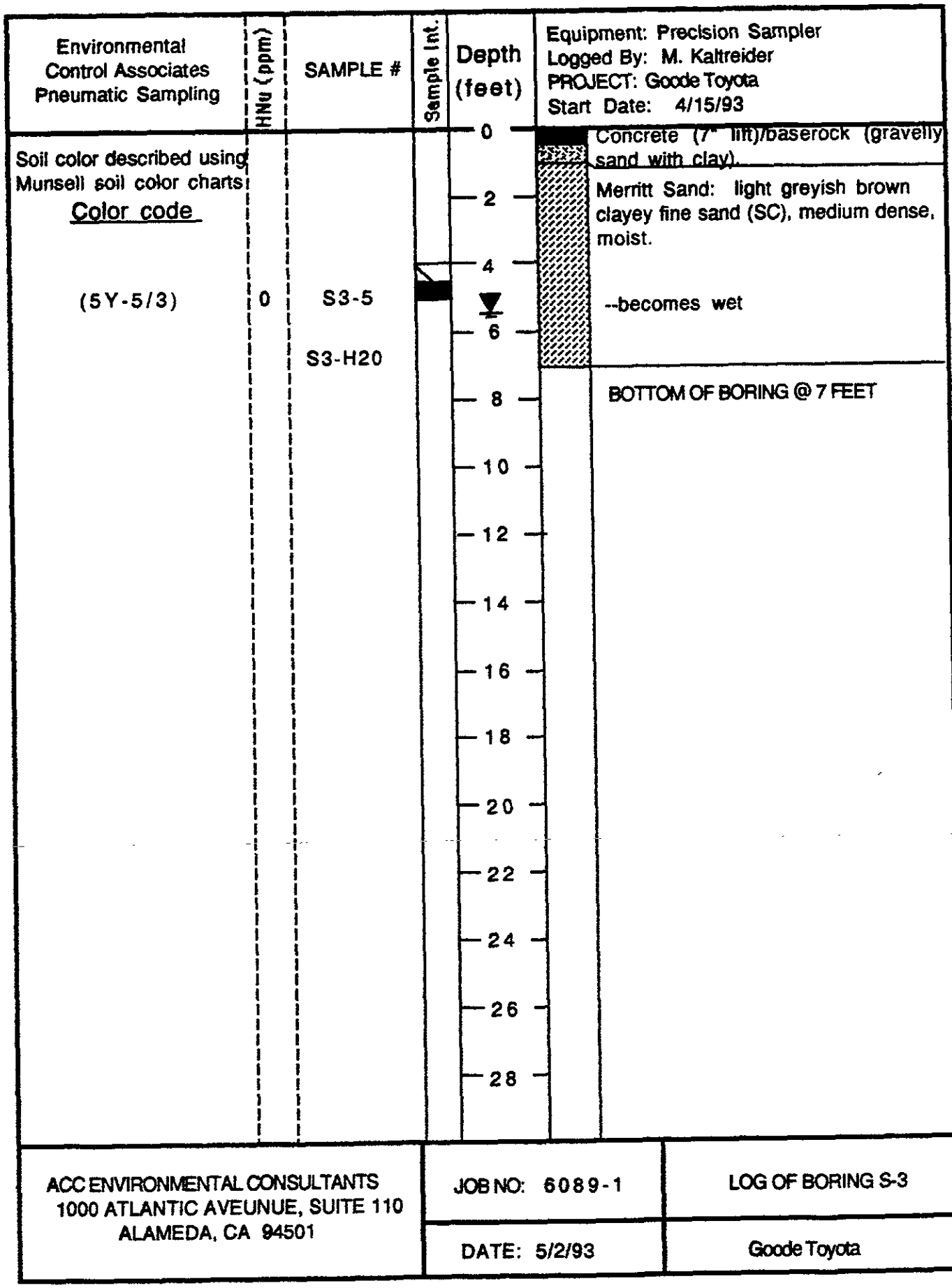
LEGEND FOR BORING LOGS

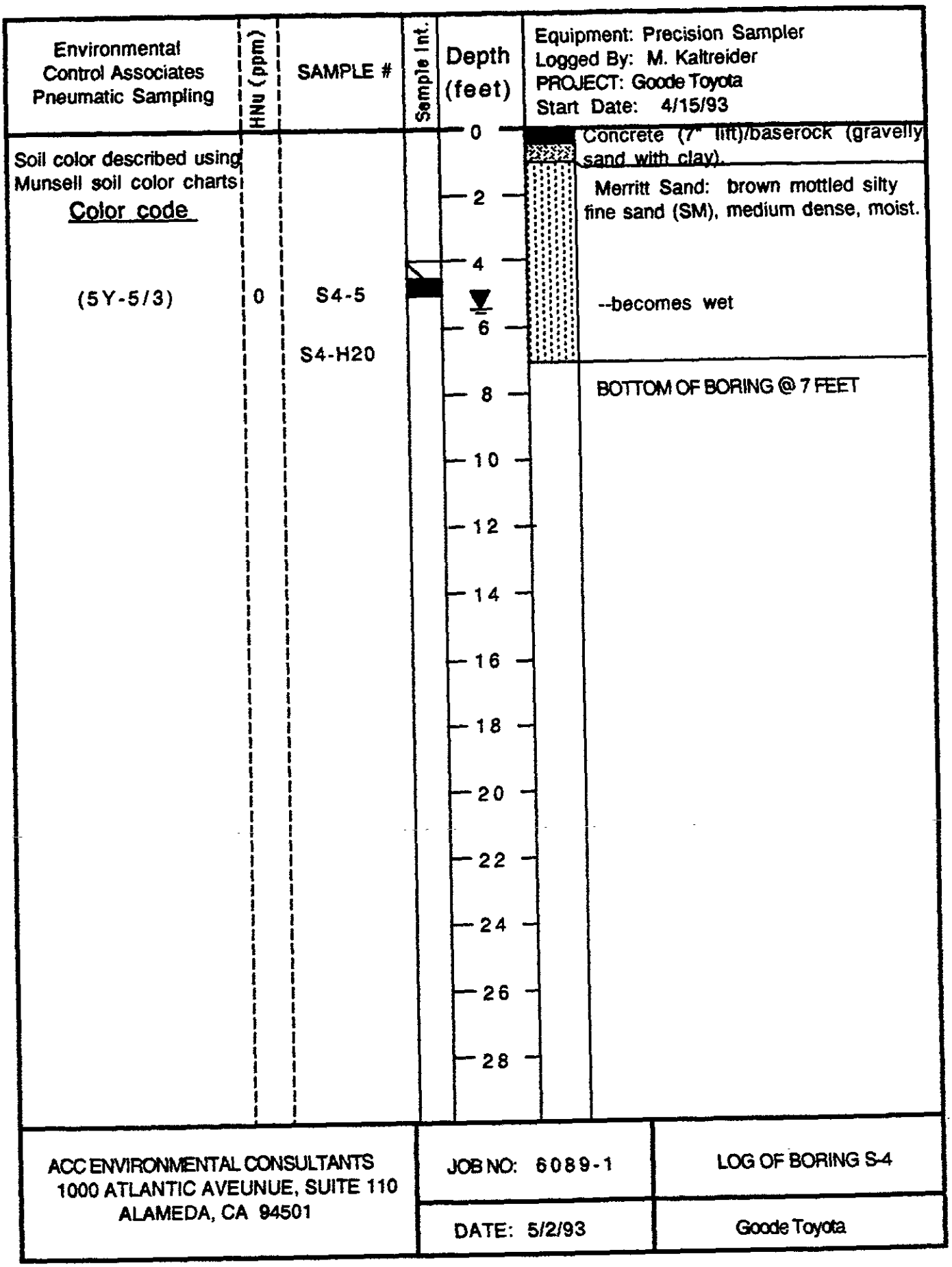


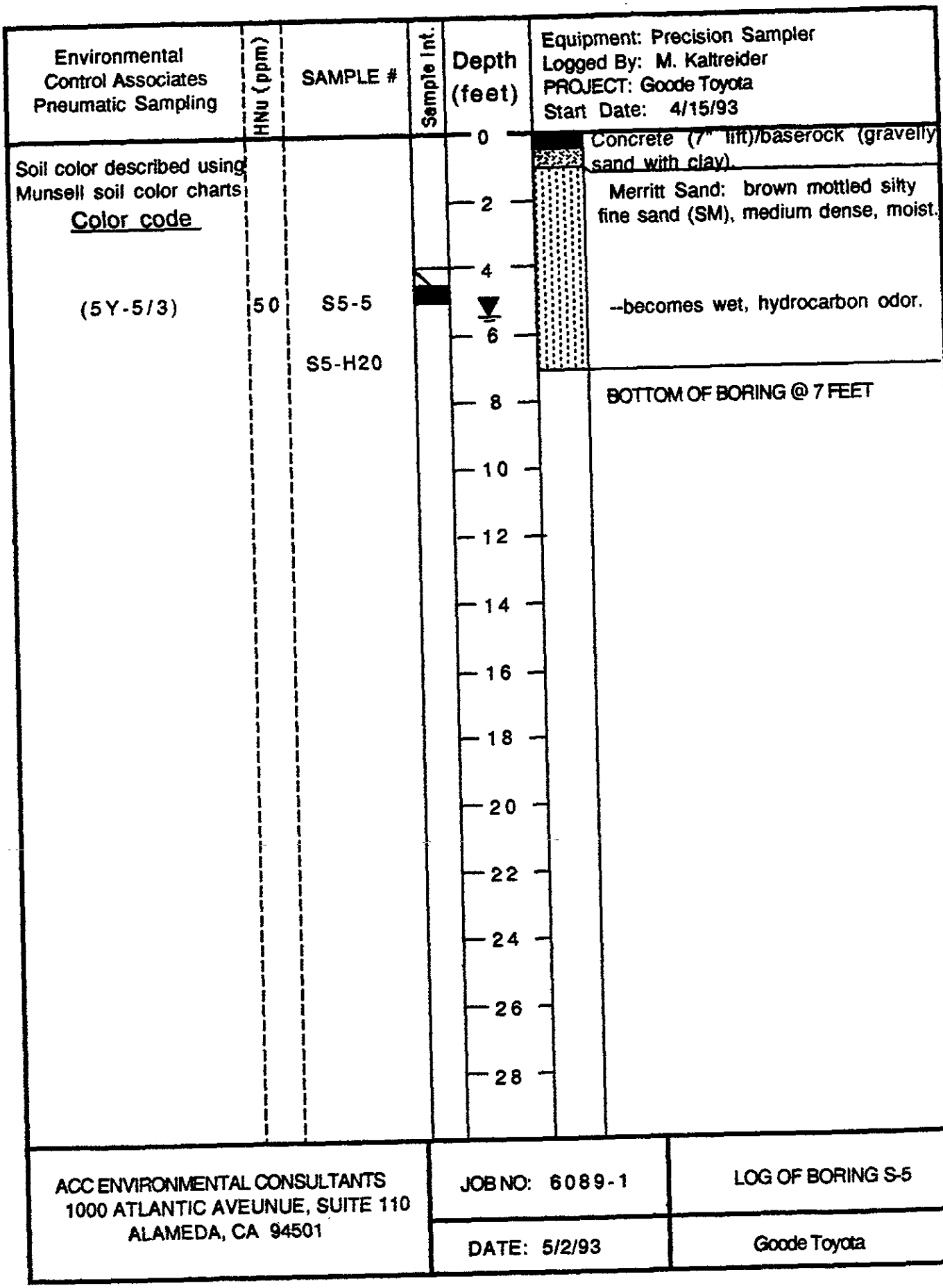
ACC ENVIRONMENTAL CONSULTANTS 1000 ATLANTIC AVENUE, SUITE 110 ALAMEDA, CA 94501		Soil Classification System	
Project No. 6089-1	Date: 5/9/93	DRN: MCK	Goode Toyota

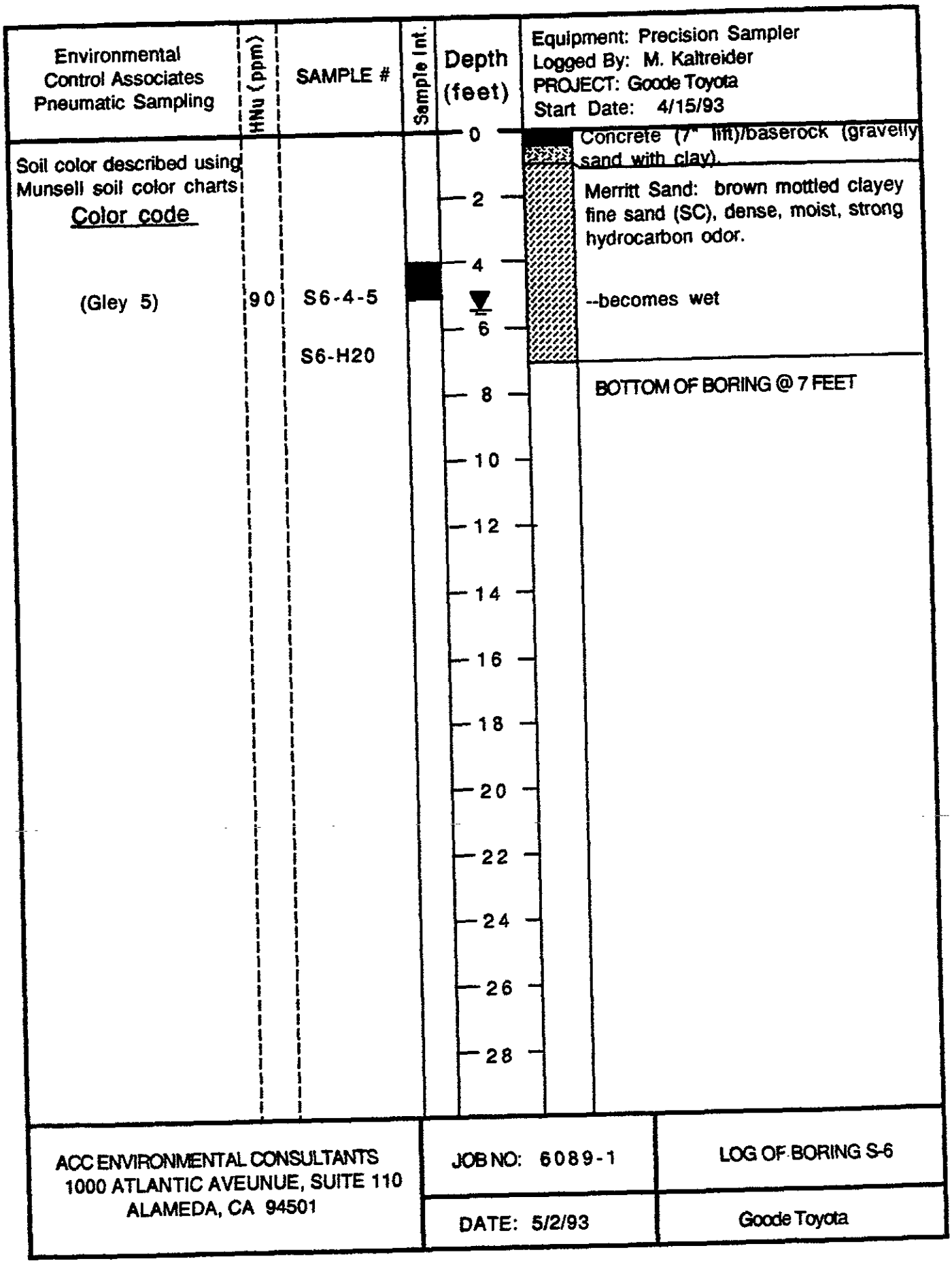

Environmental Control Associates Pneumatic Sampling
HNu (ppm)
SAMPLE #
Sample Int.
Depth (feet)
Equipment: Precision Sampler
Logged By: M. Kaltreider
PROJECT: Goode Toyota
Start Date: 4/15/93
Soil color described using Munsell soil color charts
Color code
(5Y-5/3)
0
S1-5
S1-H20
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
Concrete (7" lift)/baserock (gravelly sand with clay).
Merritt Sand: brown silty fine sand, (SM), medium dense, moist.
--becomes wet
BOTTOM OF BORING @ 7 FEET
ACC ENVIRONMENTAL CONSULTANTS
1000 ATLANTIC AVEUNUE, SUITE 110
ALAMEDA, CA 94501
JOB NO: 6089-1
LOG OF BORING S-1
DATE: 5/2/93
Goode Toyota


Environmental Control Associates Pneumatic Sampling
HNu (ppm)
SAMPLE #
Sample Int.
Depth (feet)
Equipment: Precision Sampler
Logged By: M. Kaltreider
PROJECT: Goode Toyota
Start Date: 4/15/93
0
Concrete (7" lift)/baserock (gravelly sand with clay).
Soil color described using Munsell soil color charts
Color code
Merritt Sand: brown silty fine sand (SM), with clay, medium dense, moist.
2
4
--becomes wet
(5Y-5/3)
0
S2-5
S2-H20
6
8
BOTTOM OF BORING @ 7 FEET
10
12
14
16
18
20
22
24
26
28
ACC ENVIRONMENTAL CONSULTANTS
1000 ATLANTIC AVEUNUE, SUITE 110
ALAMEDA, CA 94501
JOB NO: 6089-1
LOG OF BORING S-2
DATE: 5/2/93
Goode Toyota


Environmental Control Associates Pneumatic Sampling
HNu (ppm)
SAMPLE #
Sample Int.
Depth (feet)
Equipment: Precision Sampler
Logged By: M. Kaltreider
PROJECT: Goode Toyota
Start Date: 4/15/93
Soil color described using Munsell soil color charts
Color code
(5Y-5/3)
0
S3-5
S3-H20
Concrete (7" lift)/baserock (gravelly sand with clay).
Merritt Sand: light greyish brown clayey fine sand (SC), medium dense, moist.
--becomes wet
BOTTOM OF BORING @ 7 FEET
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
ACC ENVIRONMENTAL CONSULTANTS
1000 ATLANTIC AVEUNUE, SUITE 110
ALAMEDA, CA 94501
JOB NO: 6089-1
DATE: 5/2/93
LOG OF BORING S-3
Goode Toyota


Environmental Control Associates Pneumatic Sampling
HNu (ppm)
SAMPLE #
Sample Int.
Depth (feet)
Equipment: Precision Sampler
Logged By: M. Kaltreider
PROJECT: Goode Toyota
Start Date: 4/15/93
Soil color described using Munsell soil color charts
Color code
(5Y-5/3)
0
S4-5
S4-H20
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
Concrete (7" lift)/baserock (gravelly sand with clay).
Merritt Sand: brown mottled silty fine sand (SM), medium dense, moist.
--becomes wet
BOTTOM OF BORING @ 7 FEET
ACC ENVIRONMENTAL CONSULTANTS
1000 ATLANTIC AVEUNUE, SUITE 110
ALAMEDA, CA 94501
JOB NO: 6089-1
LOG OF BORING S-4
DATE: 5/2/93
Goode Toyota


Environmental
Control Associates
Pneumatic Sampling
HNu (ppm)
SAMPLE #
Sample Int.
Depth
(feet)
Equipment: Precision Sampler
Logged By: M. Kaltreider
PROJECT: Goode Toyota
Start Date: 4/15/93
0
Concrete (7" lift)/baserock (gravelly sand with clay).
Soil color described using Munsell soil color charts
Color code
Merritt Sand: brown mottled silty fine sand (SM), medium dense, moist.
2
4
(5Y-5/3)
50
S5-5
--becomes wet, hydrocarbon odor.
6
S5-H20
8
BOTTOM OF BORING @ 7 FEET
10
12
14
16
18
20
22
24
26
28
ACC ENVIRONMENTAL CONSULTANTS
1000 ATLANTIC AVEUNUE, SUITE 110
ALAMEDA, CA 94501
JOB NO: 6089-1
LOG OF BORING S-5
DATE: 5/2/93
Goode Toyota


Environmental Control Associates Pneumatic Sampling
HNu (ppm)
SAMPLE #
Sample Int.
Depth (feet)
Equipment: Precision Sampler
Logged By: M. Kaltreider
PROJECT: Goode Toyota
Start Date: 4/15/93
0
Concrete (7" lift)/baserock (gravelly sand with clay).
2
Merritt Sand: brown mottled clayey fine sand (SC), dense, moist, strong hydrocarbon odor.
4
--becomes wet
6
8
BOTTOM OF BORING @ 7 FEET
10
12
14
16
18
20
22
24
26
28
Soil color described using Munsell soil color charts
Color code
(Gley 5)
90
S6-4-5
S6-H20
ACC ENVIRONMENTAL CONSULTANTS
1000 ATLANTIC AVEUNUE, SUITE 110
ALAMEDA, CA 94501
JOB NO: 6089-1
DATE: 5/2/93
LOG OF BORING S-6
Goode Toyota

Environmental Control Associates Pneumatic Sampling	HNu (ppm)	SAMPLE #	Sample Int.	Depth (feet)	Equipment: Precision Sampler Logged By: M. Kaltreider PROJECT: Goode Toyota Start Date: 4/15/93
Soil color described using Munsell soil color charts Color code				0	Concrete (7" lift)/baserock (gravelly sand with clay).
				2	Merritt Sand: brown/grey clayey fine sand (SC), dense, moist.
(Gley 5)	0	S7-5		4	
				▼ 6	--becomes wet
		S7-H20		8	BOTTOM OF BORING @ 7 FEET
				10	
				12	
				14	
				16	
				18	
				20	
				22	
				24	
				26	
				28	

ACC ENVIRONMENTAL CONSULTANTS 1000 ATLANTIC AVEUNUE, SUITE 110 ALAMEDA, CA 94501	JOB NO: 6089-1	LOG OF BORING S-7
	DATE: 5/2/93	Goode Toyota

Environmental Control Associates Pneumatic Sampling	HNu (ppm)	SAMPLE #	Sample Int.	Depth (feet)	Equipment: Precision Sampler Logged By: M. Kaltreider PROJECT: Goode Toyota Start Date: 4/16/93
				0	Asphalt (4" lift)/baserock (gravelly sand with clay).
Soil color described using Munsell soil color charts Color code				2	Merritt Sand: greenish/grey fine sand (SP), with trace clay, dense, moist, strong hydrocarbon odor.
(Gley 5)	90	S8-5		4	
				6	--becomes wet
		S8-H20		8	BOTTOM OF BORING @ 7 FEET
				10	
				12	
				14	
				16	
				18	
				20	
				22	
				24	
				26	
				28	

ACC ENVIRONMENTAL CONSULTANTS 1000 ATLANTIC AVEUNUE, SUITE 110 ALAMEDA, CA 94501	JOB NO: 6089-1	LOG OF BORING S-8
	DATE: 5/2/93	Goode Toyota

Environmental Control Associates Pneumatic Sampling	HNu (ppm)	SAMPLE #	Sample Int.	Depth (feet)	Equipment: Precision Sampler Logged By: M. Kaltreider PROJECT: Goode Toyota Start Date: 4/16/93
Soil color described using Munsell soil color charts Color code				0	Asphalt (4" lift)/baserock (gravelly sand with clay).
				2	Merritt Sand: greenish/grey fine sand (SP), with trace clay, dense, moist, strong hydrocarbon odor.
(Gley 5)	90	S9-5		4	
				6	--becomes wet
		S9-H20		8	BOTTOM OF BORING @ 7 FEET
				10	
				12	
				14	
				16	
				18	
				20	
				22	
				24	
				26	
				28	

ACC ENVIRONMENTAL CONSULTANTS 1000 ATLANTIC AVEUNUE, SUITE 110 ALAMEDA, CA 94501	JOB NO: 6089-1	LOG OF BORING S-9
	DATE: 5/2/93	Goode Toyota

Environmental Control Associates Pneumatic Sampling	HNu (ppm)	SAMPLE #	Sample Int.	Depth (feet)	Equipment: Precision Sampler Logged By: M. Kaltreider PROJECT: Goode Toyota Start Date: 4/16/93
Soil color described using Munsell soil color charts Color code				0	Floor tile/concrete (4" lift)/baserock (gravelly sand with clay)
				2	Merritt Sand: brown mottled clayey fine sand (SC), medium dense, moist.
(Gley 5)	0	S10-5		4	
				6	--becomes wet (slight gasoline odor in water)
	10	S10-H20		8	BOTTOM OF BORING @ 7 FEET
				10	
				12	
				14	
				16	
				18	
				20	
				22	
				24	
				26	
				28	

ACC ENVIRONMENTAL CONSULTANTS 1000 ATLANTIC AVEUNUE, SUITE 110 ALAMEDA, CA 94501	JOB NO: 6089-1	LOG OF BORING S-10
	DATE: 5/2/93	Goode Toyota

Environmental Control Associates Pneumatic Sampling	HNu (ppm)	SAMPLE #	Sample Int.	Depth (feet)	Equipment: Precision Sampler Logged By: M. Kaltreider PROJECT: Goode Toyota Start Date: 4/16/93
Soil color described using Munsell soil color charts Color code				0	Concrete (4" lift)/baserock (gravelly sand with clay)
				2	Merritt Sand: Brownish grey clayey fine sand (SC), medium dense, moist, slight hydrocarbon odor.
				4	
(Gley 5)	5	S11-5		▼	--becomes wet
				6	(slight gasoline odor in water)
	10	S11-H20			
				8	BOTTOM OF BORING @ 7 FEET
				10	
				12	
				14	
				16	
				18	
				20	
				22	
				24	
				26	
				28	

ACC ENVIRONMENTAL CONSULTANTS 1000 ATLANTIC AVEUNUE, SUITE 110 ALAMEDA, CA 94501	JOB NO: 6089-1	LOG OF BORING S-11
	DATE: 5/2/93	Goode Toyota

Environmental Control Associates Pneumatic Sampling	HNu (ppm)	SAMPLE #	Sample Int.	Depth (feet)	Equipment: Precision Sampler Logged By: M. Kaltreider PROJECT: Goode Toyota Start Date: 4/16/93
Soil color described using Munsell soil color charts Color code				0	Decorative rock/concrete (4" lift) /baserock (gravelly sand with clay)
				2	Merritt Sand: brown fine sand (SP), with trace clay, medium dense, moist.
				4	
(Gley 5)	0	S12-5		▼	--becomes wet
				6	
	0	S12-H20			
				8	BOTTOM OF BORING @ 7 FEET
				10	
				12	
				14	
				16	
				18	
				20	
				22	
				24	
				26	
				28	

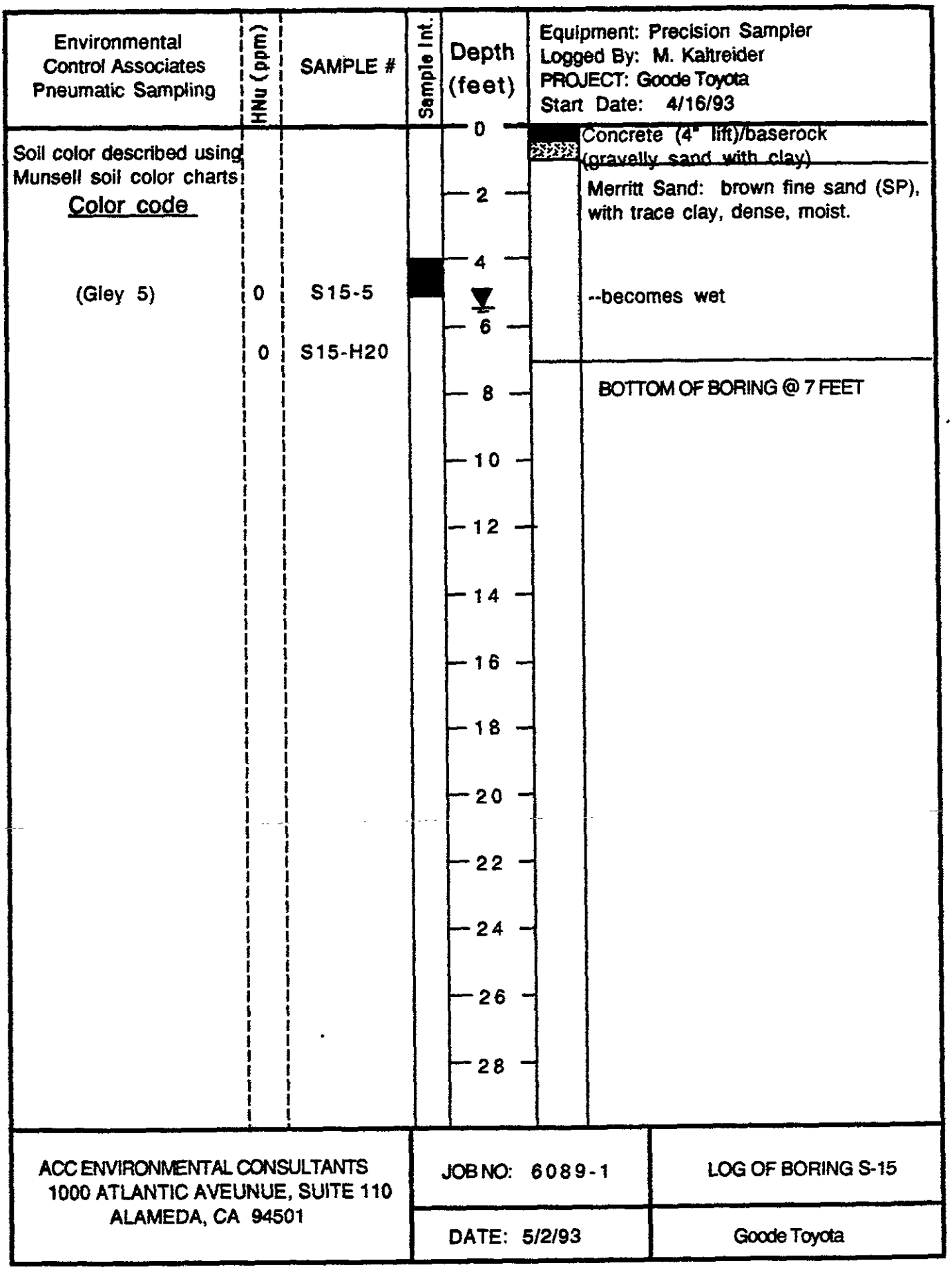
ACC ENVIRONMENTAL CONSULTANTS 1000 ATLANTIC AVEUNUE, SUITE 110 ALAMEDA, CA 94501	JOB NO: 6089-1	LOG OF BORING S-12
	DATE: 5/2/93	Goode Toyota

Environmental Control Associates Pneumatic Sampling	HNu (ppm)	SAMPLE #	Sample Int.	Depth (feet)	Equipment: Precision Sampler Logged By: M. Kaltreider PROJECT: Goode Toyota Start Date: 4/16/93
Soil color described using Munsell soil color charts Color code				0	Asphalt (4" lift)/baserock (gravelly sand with clay)
				2	Merritt Sand: greenish grey fine sand (SP), with trace clay, dense, moist.
				4	
(Gley 5)	0	S13-5			--becomes wet
				6	
	0	S13-H20			
				8	BOTTOM OF BORING @ 7 FEET
				10	
				12	
				14	
				16	
				18	
				20	
				22	
				24	
				26	
				28	

ACC ENVIRONMENTAL CONSULTANTS 1000 ATLANTIC AVEUNUE, SUITE 110 ALAMEDA, CA 94501	JOB NO: 6089-1	LOG OF BORING S-13
	DATE: 5/2/93	Goode Toyota

Environmental Control Associates Pneumatic Sampling	HNu (ppm)	SAMPLE #	Sample Int.	Depth (feet)	Equipment: Precision Sampler Logged By: M. Kaltreider PROJECT: Goode Toyota Start Date: 4/16/93
				0	Asphalt (4" lift)/baserock (gravelly sand with clay)
Soil color described using Munsell soil color charts Color code				2	Merritt Sand: brown fine sand (SP), dense, moist.
				4	
(Gley 5)	0	S14-5			--becomes wet
				6	
	0	S14-H20			
				8	BOTTOM OF BORING @ 7 FEET
				10	
				12	
				14	
				16	
				18	
				20	
				22	
				24	
				26	
				28	

ACC ENVIRONMENTAL CONSULTANTS 1000 ATLANTIC AVEUNUE, SUITE 110 ALAMEDA, CA 94501	JOB NO: 6089-1	LOG OF BORING S-14
	DATE: 5/2/93	Goode Toyota

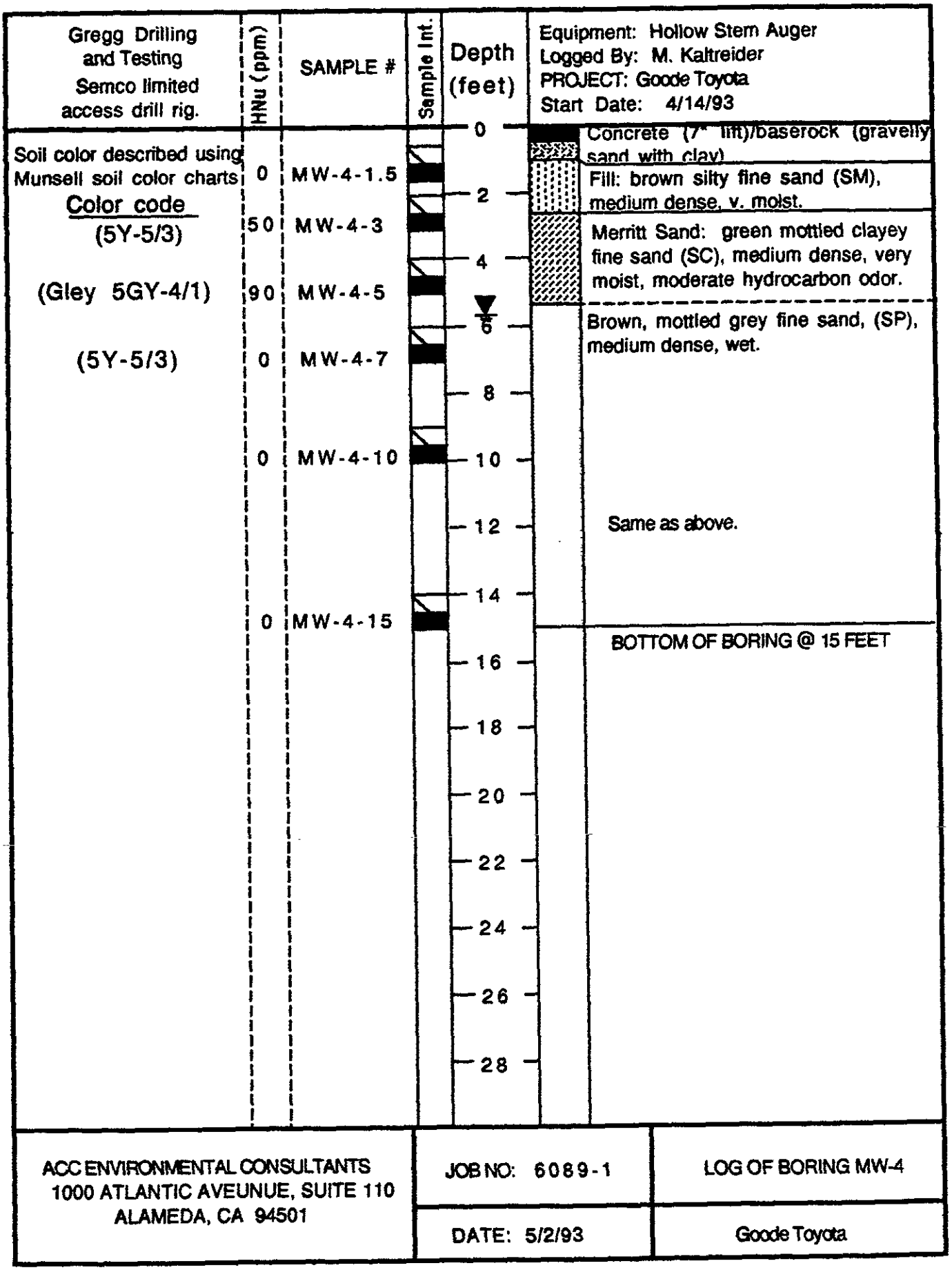

Environmental
Control Associates
Pneumatic Sampling
HNu (ppm)
SAMPLE #
Sample Int.
Depth (feet)
Equipment: Precision Sampler
Logged By: M. Kaltreider
PROJECT: Goode Toyota
Start Date: 4/16/93
Soil color described using Munsell soil color charts
Color code
(Gley 5)
0
S15-5
0
S15-H20
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
Concrete (4" lift)/baserock
(gravelly sand with clay)
Merritt Sand: brown fine sand (SP), with trace clay, dense, moist.
--becomes wet
BOTTOM OF BORING @ 7 FEET
ACC ENVIRONMENTAL CONSULTANTS
1000 ATLANTIC AVEUNUE, SUITE 110
ALAMEDA, CA 94501
JOB NO: 6089-1
LOG OF BORING S-15
DATE: 5/2/93
Goode Toyota

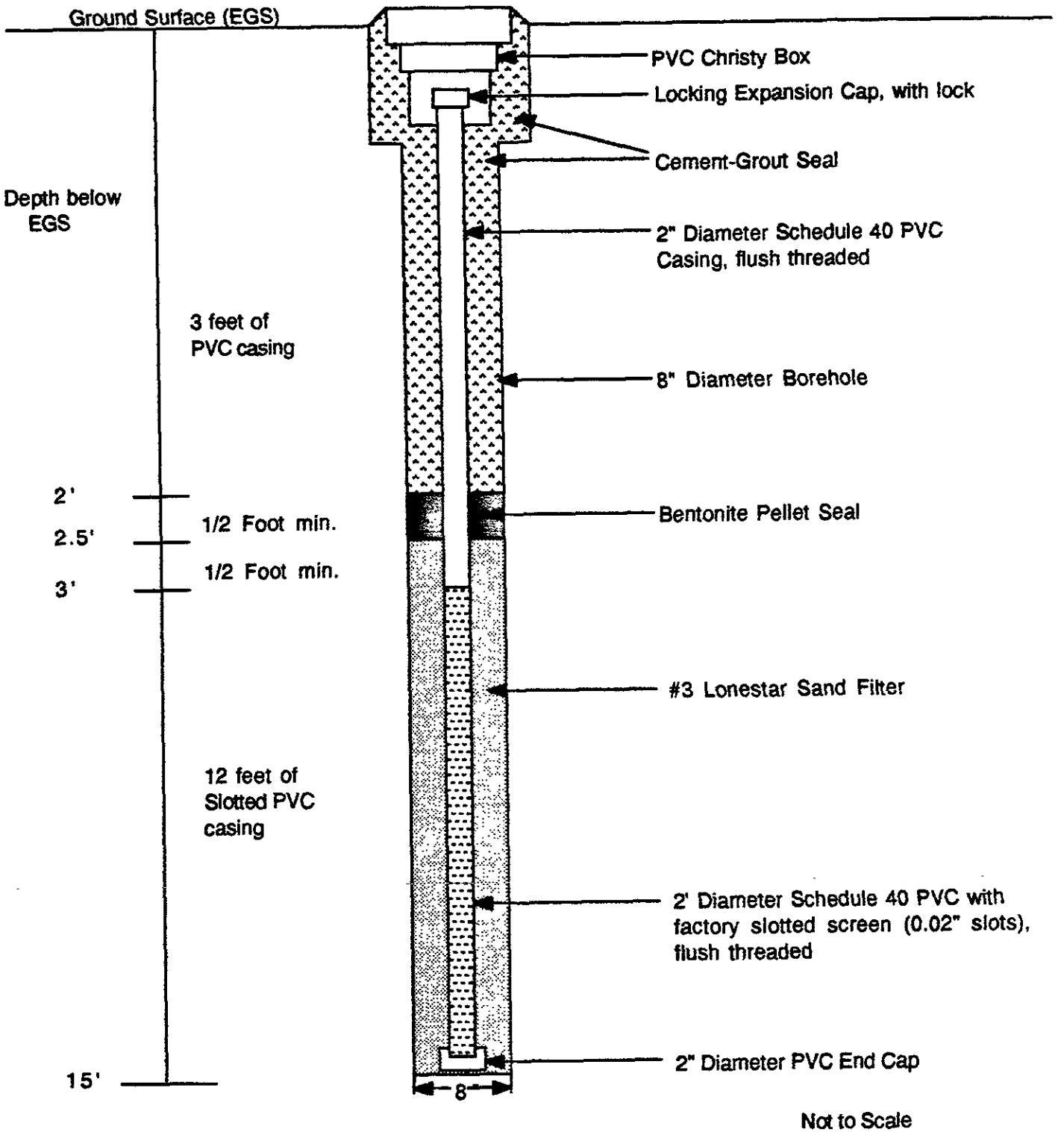
Environmental Control Associates Pneumatic Sampling	HNu (ppm)	SAMPLE #	Sample Int.	Depth (feet)	Equipment: Precision Sampler Logged By: M. Kaltreider PROJECT: Goode Toyota Start Date: 4/16/93
Soil color described using Munsell soil color charts Color code (Gley 5)	10	S16-5		0 2 4 6	Concrete (4" lift)/baserock (gravelly sand with clay) Merritt Sand: brownish/grey fine sand (SP), dense, moist, slight hydrocarbon odor. --becomes wet
	0	S16-H20		8 10 12 14 16 18 20 22 24 26 28	BOTTOM OF BORING @ 7 FEET

ACC ENVIRONMENTAL CONSULTANTS 1000 ATLANTIC AVEUNUE, SUITE 110 ALAMEDA, CA 94501	JOB NO: 6089-1	LOG OF BORING S-16
	DATE: 5/2/93	Goode Toyota

Environmental Control Associates Pneumatic Sampling	HNu (ppm)	SAMPLE #	Sample Int.	Depth (feet)	Equipment: Precision Sampler Logged By: M. Kaltreider PROJECT: Goode Toyota Start Date: 4/16/93
Soil color described using Munsell soil color charts Color code				0	Concrete (4" lift)/baserock (gravelly sand with clay)
				2	Merritt Sand: greyish green fine sand (SP), dense, moist, hydrocarbon odor.
				4	
(Gley 5)	30	S17-5		▼	--becomes wet
				6	
	0	S17-H20			
				8	BOTTOM OF BORING @ 7 FEET
				10	
				12	
				14	
				16	
				18	
				20	
				22	
				24	
				26	
				28	

ACC ENVIRONMENTAL CONSULTANTS 1000 ATLANTIC AVEUNUE, SUITE 110 ALAMEDA, CA 94501	JOB NO: 6089-1	LOG OF BORING S-17
	DATE: 5/2/93	Goode Toyota


Gregg Drilling and Testing
Semco limited access drill rig.
HNu (ppm)
SAMPLE #
Sample Int.
Depth (feet)
Equipment: Hollow Stem Auger
Logged By: M. Kaltreider
PROJECT: Goode Toyota
Start Date: 4/14/93
Soil color described using Munsell soil color charts
Color code
(5Y-5/3)
(Gley 5GY-4/1)
(5Y-5/3)
0 MW-4-1.5
50 MW-4-3
90 MW-4-5
0 MW-4-7
0 MW-4-10
0 MW-4-15
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
Concrete (7" lift)/baserock (gravelly sand with clay)
Fill: brown silty fine sand (SM), medium dense, v. moist.
Merritt Sand: green mottled clayey fine sand (SC), medium dense, very moist, moderate hydrocarbon odor.
Brown, mottled grey fine sand, (SP), medium dense, wet.
Same as above.
BOTTOM OF BORING @ 15 FEET
ACC ENVIRONMENTAL CONSULTANTS
1000 ATLANTIC AVEUNUE, SUITE 110
ALAMEDA, CA 94501
JOB NO: 6089-1
LOG OF BORING MW-4
DATE: 5/2/93
Goode Toyota



ACC Environmental Consultants 1000 Atlantic Avenue, Suite 110 Alameda, CA 94501	Job No.: 6089-1	Schematic of Monitoring Well No.: MW-4
	Date: 4/14/93	Goode Toyota

EXHIBIT B

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

June 7, 1993

ChromaLab File No.: 9306058
Submission #: 9306000058

ACC ENVIRONMENTAL CONSULTANTS

Attn: MISTY KALTREIDER

RE: One soil sample for Oil & Grease analysis

Project Name: GOODE TOYOTA
Project Number: 6089-1
Date Sampled: June 4, 1993
Date Analyzed: June 7, 1993

Date Submitted: June 4, 1993

RESULTS:

Sample I.D.	Oil & Grease (mg/Kg)
SOIL-1,2,3	110
BLANK	N.D.
DETECTION LIMIT	50
METHOD OF ANALYSIS	STD METHOD 5520 E & F

ChromaLab, Inc.

Carolyn M. House
Analyst

Eric Tam
Laboratory Director

do

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

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

June 7, 1993

ChromaLab File No.: 9306058
Submission #: 9306000058

ACC ENVIRONMENTAL CONSULTANTS

Attn: MISTY KALTREIDER

RE: One soil sample for Diesel analysis

Project Name: GOODE TOYOTA
Project Number: 6089-1
Date Sampled: June 4, 1993
Date Extracted: June 5, 1993

Date Submitted: June 4, 1993
Date Analyzed: June 5, 1993

RESULTS:

Sample I.D.	Diesel (mg/Kg)
SOIL-1,2,3	N.D.*
BLANK	N.D.
SPIKE RECOVERY	99%
DUP SPIKE RECOVERY	92%
DETECTION LIMIT	1.0
METHOD OF ANALYSIS	3550/8015

* 36 mg/Kg of motor oil found in sample.

ChromaLab, Inc.

Alex Tam
Analytical Chemist

Eric Tam
Laboratory Director

do

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(510) 831-1788 • Facsimile (510) 831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

June 9, 1993

ChromaLab File # 9306058
Submission #: 9306000058

ACC ENVIRONMENTAL CONSULTANTS
Attn: MISTY KALTREIDER

Date Sampled: June 4, 1993
Date Extracted: June 7, 1993

Date Submitted: June 4, 1993
Date Analyzed: June 8, 1993

Project Name: GOODE TOYOTA
Project No: 6089-1
Sample I.D.: Soil-1,2,3

Method of analysis: EPA 8270
Matrix: Soil
Dilution Factor: 1:10

COMPOUND NAME	Sample mg/kg	MDL mg/kg	Spike Recovery
PHENOL	N.D.	0.5	73% 75%
BIS(2-CHLOROETHYL) ETHER	N.D.	0.5	-----
2-CHLOROPHENOL	N.D.	0.5	69% 69%
1,3-DICHLOROBENZENE	N.D.	0.5	-----
1,4-DICHLOROBENZENE	N.D.	0.5	-----
BENZYL ALCOHOL	N.D.	1.0	-----
1,2-DICHLOROBENZENE	N.D.	0.5	-----
2-METHYLPHENOL	N.D.	0.5	-----
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	0.5	-----
4-METHYLPHENOL	N.D.	0.5	-----
N-NITROSO-DI-N-PROPYLAMINE	N.D.	0.5	67% 72%
HEXACHLOROETHANE	N.D.	0.5	-----
NITROBENZENE	N.D.	0.5	-----
ISOPHORONE	N.D.	0.5	-----
2-NITROPHENOL	N.D.	0.5	-----
2,4-DIMETHYLPHENOL	N.D.	0.5	-----
BENZOIC ACID	N.D.	2.5	-----
BIS(2-CHLOROETHOXY)METHANE	N.D.	0.5	-----
2,4-DICHLOROPHENOL	N.D.	0.5	-----
1,2,4-TRICHLOROBENZENE	N.D.	0.5	111% 114%
NAPHTHALENE	N.D.	0.5	-----
4-CHLOROANILINE	N.D.	1.0	-----
HEXACHLOROBUTADIENE	N.D.	0.5	-----
4-CHLORO-3-METHYLPHENOL	N.D.	1.0	109% 107%
2-METHYLNAPHTHALENE	N.D.	0.5	-----
HEXACHLOROCYCLOPENTADIENE	N.D.	0.5	-----
2,4,6-TRICHLOROPHENOL	N.D.	0.5	-----
2,4,5-TRICHLOROPHENOL	N.D.	0.5	-----
2-CHLORONAPHTHALENE	N.D.	0.5	-----
2-NITROANILINE	N.D.	2.5	-----
DIMETHYL PHTHALATE	N.D.	0.5	-----
ACENAPHTHYLENE	N.D.	0.5	-----
3-NITROANILINE	N.D.	0.5	-----
ACENAPHTHENE	N.D.	0.5	115% 109%
2,4-DINITROPHENOL	N.D.	2.5	-----
4-NITROPHENOL	N.D.	2.5	-----
DIBENZOFURAN	N.D.	0.5	-----

(continued on next page)

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(510) 831-1788 • Facsimile (510) 831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

ChromaLab File # 9306058

Project Name: GOODE TOYOTA
Project No: 6089-1
Sample I.D.: Soil-1,2,3
Method of Analysis: EPA 8270 Matrix: soil

COMPOUND NAME	Sample mg/kg	MDL mg/kg	Spike Recovery
2,4-DINITROTOLUENE	N.D.	0.5	-----
2,6-DINITROTOLUENE	N.D.	0.5	88% 82%
DIETHYL PHTHALATE	N.D.	0.5	-----
4-CHLORO-PHENYL PHENYL ETHER	N.D.	0.5	-----
FLUORENE	N.D.	0.5	-----
4-NITROANILINE	N.D.	2.5	-----
4,6-DINITRO-2-METHYL PHENOL	N.D.	2.5	-----
N-NITROSODIPHENYLAMINE	N.D.	0.5	-----
4-BROMOPHENYL PHENYL ETHER	N.D.	0.5	-----
HEXACHLOROBENZENE	N.D.	0.5	-----
PENTACHLOROPHENOL	N.D.	2.5	100% 96%
PHENANTHRENE	N.D.	0.5	-----
ANTHRACENE	N.D.	0.5	-----
DI-N-BUTYL PHTHALATE	N.D.	0.5	-----
FLUORANTHENE	N.D.	0.5	-----
PYRENE	N.D.	0.5	112% 106%
BUTYLBENZYLPHTHALATE	N.D.	0.5	-----
3,3'-DICHLOROBENZIDINE	N.D.	1.0	-----
BENZO(A)ANTHRACENE	N.D.	0.5	-----
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	0.5	-----
CHRYSENE	N.D.	0.5	-----
DI-N-OCTYLPHTHALATE	N.D.	0.5	-----
BENZO(B)FLUORANTHENE	N.D.	0.5	-----
BENZO(K)FLUORANTHENE	N.D.	0.5	-----
BENZO(A)PYRENE	N.D.	0.5	-----
INDENO(1,2,3 C,D)PYRENE	N.D.	0.5	-----
DIBENZO(A,H)ANTHRACENE	N.D.	0.5	-----
BENZO(G,H,I)PERYLENE	N.D.	0.5	-----

ChromaLab, Inc.

Alex Tam
Analytical Chemist

Eric Tam
Lab Director

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

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

June 11, 1993 ChromaLab File No.: 9306058

ACC ENVIRONMENTAL CONSULTANTS

Attn: MISTY KALTREIDER

RE: One soil sample for Gasoline and BTEX analysis

Project Name: GOODE TOYOTA
Project Number: 6089-1
Date Sampled: June 4, 1993 Date Submitted: June 4, 1993
Date Analyzed: June 7, 1993

RESULTS:

Sample I.D.	Gasoline (mg/Kg)	Benzene (µg/Kg)	Toluene (µg/Kg)	Ethyl Benzene (µg/Kg)	Total Xylenes (µg/Kg)
SOIL 1,2,3 COMP	N.D.	N.D.	N.D.	N.D.	N.D.
BLANK	N.D.	N.D.	N.D.	N.D.	N.D.
SPIKE RECOVERY	105%	103%	104%	104%	102%
DUP SPIKE RECOVERY	----	110%	110%	108%	108%
DETECTION LIMIT	1.0	5.0	5.0	5.0	5.0
METHOD OF ANALYSIS	5030/8015	8020	8020	8020	8020

ChromaLab, Inc.

Billy Thach
Analytical Chemist

Eric Tam
Laboratory Director

cc

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

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

June 11, 1993

ACC ENVIRONMENTAL CONSULTANTS

Project Name: GOODE TOYOTA
Date Sampled: June 4, 1993
Date Submitted: June 4, 1993
Date of Analysis: June 11, 1993
Sample I.D.: SOIL-1,2,3, COMP

ChromaLab File # 9306058
Submission #: 9306000058
Attn: MISTY KALTREIDER

Project No: 6089-1
Method of Analysis: EPA 8010
Matrix: Soil
Reporting Det. Limit: 5.0 µg/Kg
Dilution Factor: None

COMPOUND NAME	µg/Kg	Spike Recovery
CHLOROMETHANE	N.D.	---
VINYL CHLORIDE	N.D.	---
BROMOMETHANE	N.D.	---
CHLOROETHANE	N.D.	---
TRICHLOROFLUOROMETHANE	N.D.	---
1,1-DICHLOROETHENE	N.D.	84% 83%
METHYLENE CHLORIDE	N.D.	---
1,2-DICHLOROETHENE (TRANS)	N.D.	---
1,1-DICHLOROETHANE	N.D.	---
CHLOROFORM	N.D.	---
1,1,1-TRICHLOROETHANE	N.D.	---
CARBON TETRACHLORIDE	N.D.	---
1,2-DICHLOROETHANE	N.D.	---
TRICHLOROETHENE	N.D.	111% 111%
1,2-DICHLOROPROPANE	N.D.	---
BROMODICHLOROMETHANE	N.D.	---
2-CHLOROETHYLVINYLETHER	N.D.	---
TRANS-1,3-DICHLOROPROPENE	N.D.	---
CIS-1,3-DICHLOROPROPENE	N.D.	---
1,1,2-TRICHLOROETHANE	N.D.	---
TETRACHLOROETHENE	N.D.	121% 115%
DIBROMOCHLOROMETHANE	N.D.	---
CHLOROBENZENE	N.D.	---
BROMOFORM	N.D.	---
1,1,2,2-TETRACHLOROETHANE	N.D.	---
1,3-DICHLOROBENZENE	N.D.	105% 97%
1,4-DICHLOROBENZENE	N.D.	---
1,2-DICHLOROBENZENE	N.D.	---

ChromaLab, Inc.

David Wintergrass
Analytical Chemist

Eric Tam
Laboratory Director

dt

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(510) 831-1788 • Facsimile (510) 831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

June 11, 1993

ChromaLab File No.: 9306058
Submission #: 9306000058

ACC ENVIRONMENTAL CONSULTANTS

Attn: MISTY KALTREIDER

RE: One soil sample for LUFT (5) Metals analysis

Project Name: GOODE TOYOTA
Project Number: 6089-1
Date Sampled: June 4, 1993
Date Analyzed: June 9, 1993

Date Submitted: June 4, 1993

RESULTS:

Sample I.D.	Cadmium (mg/Kg)	Chromium (mg/Kg)	Lead (mg/Kg)	Nickel (mg/Kg)	Zinc (mg/Kg)
SOIL-1,2,3	0.61	36	160	16	120
BLANK	N.D.	N.D.	N.D.	N.D.	N.D.
DETECTION LIMIT	0.05	0.50	0.50	0.50	0.50
METHOD OF ANALYSIS	3050/ 6010	3050/ 6010	3050/ 6010	3050/ 6010	3050/ 6010

ChromaLab, Inc.

Charles Woolley
Analytical Chemist

Refaat A. Mankarious
Inorganic Supervisor

do

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

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

June 11, 1993 ChromaLab File No.: 9306058

ACC ENVIRONMENTAL CONSULTANTS

Attn: MISTY KALTREIDER

RE: Four water samples for Gasoline and BTEX analysis

Project Name: GOODE TOYOTA
Project Number: 6089-1
Date Sampled: June 4, 1993 Date Submitted: June 4, 1993
Date Analyzed: June 7, 1993

RESULTS:

Sample I.D.	Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	Total Xylenes (µg/L)
W-1	66	N.D.	N.D.	N.D.	N.D.
W-2	N.D.	N.D.	N.D.	N.D.	N.D.
W-3	N.D.	N.D.	N.D.	N.D.	N.D.
W-4	N.D.	N.D.	N.D.	N.D.	N.D.
BLANK	N.D.	N.D.	N.D.	N.D.	N.D.
SPIKE RECOVERY	94%	97%	105%	111%	112%
DUP SPIKE RECOVERY	----	104%	105%	110%	110%
DETECTION LIMIT	50	0.5	0.5	0.5	0.5
METHOD OF ANALYSIS	5030/8015	602	602	602	602

ChromaLab, Inc.

Billy Thach
Analytical Chemist

Eric Tam
Laboratory Director

cc

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

SUBM #: 9306000058
CLIENT: ACCENV
DUE: 06/11/93

11961

94583

CHROMALAB, INC.

Chain of Custody

DOHS 1094

DATE _____ PAGE _____ OF _____

PROJ. MGR. M. Koltreider
COMPANY ACC Environmental
ADDRESS 1000 Atlantic
Alameda, CA

SAMPLERS (SIGNATURE) Misty Koltreider (510) (PHONE NO.) 522-8188

ANALYSIS REPORT

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
Soil-1	6/4/93		Soil			X	X		X		X	X					X				composite in lab			1
Soil-2																								1
Soil-3																								1
W-1			Water			X																		2
W-2						X																		2
W-3						X																		2
W-4						X																		2

PROJECT INFORMATION

PROJECT NAME: Goode Toyota
PROJECT NUMBER: 6089-1
P.O. # 6089-1

TAT	STANDARD 5-DAY			24	48	72	OTHER

SPECIAL INSTRUCTIONS/COMMENTS:

SAMPLE RECEIPT

TOTAL NO. OF CONTAINERS	11
HEAD SPACE	
REC'D GOOD CONDITION/COLD	
CONFORMS TO RECORD	

RELINQUISHED BY 1.	RELINQUISHED BY 2.	RELINQUISHED BY 3.
(SIGNATURE) Misty Koltreider (TIME) 6/4/93	(SIGNATURE) (TIME)	(SIGNATURE) (TIME)
(PRINTED NAME) Misty Koltreider (DATE)	(PRINTED NAME) (DATE)	(PRINTED NAME) (DATE)
(COMPANY) ACC Environmental	(COMPANY)	(COMPANY)
RECEIVED BY 1.	**RECEIVED BY 2.**	**RECEIVED BY (LABORATORY) 3.**
(SIGNATURE) (TIME)	(SIGNATURE) (TIME)	(SIGNATURE) 16:15 (TIME)
(PRINTED NAME) (DATE)	(PRINTED NAME) (DATE)	(PRINTED NAME) J. McGETTE 6-4-93 (DATE)
(COMPANY)	(COMPANY)	(COMPANY) CHROMALAB

Excelchem
Environmental Labs
8112 Patton Avenue
Citrus Heights, CA 95610
(916) 729-5313

ANALYSIS REPORT

Attention: Ms. Elizabeth Herbert
A.C.C. Environmental
1000 Atlantic Ave., #110
Alameda, CA. 94501

Date Sampled : 04-14-93
Date Received: 04-15-93
TOG Analyzed: 04-15-93
Matrix : Soil

Project: 6089-1

	TOG PPM
Reporting Limit:	50
SAMPLE Laboratory Identification	
MW-4-5' S0493104	10,000

ppm = parts per million = mg/L = milligrams per liter
ND = Not detected. Compound(s) may be present at concentrations below the reporting limit.

ANALYTICAL PROCEDURES

TOG-- Total oil and grease is measured gravimetrically by standard method 5520e&f.

Laboratory Representative

4-16-93
Date Reported

EXCELCHEM ENVIRONMENTAL LABS IS CERTIFIED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY (Certification No. 1760)

Excelchem
Environmental Labs
8112 Patton Avenue
Citrus Heights, CA 95610
(916) 729-5313

ANALYSIS REPORT

Attention: Ms. Elizabeth Herbert
A.C.C. Environmental
1000 Atlantic Ave., #110
Alameda, CA. 94501

Date Sampled : 04-15-93
Date Received: 04-15-93
TOG Analyzed: 04-15-93
Matrix : Soil

Project: 6089-1

	TOG PPM
Reporting Limit:	50
SAMPLE Laboratory Identification	
S-1-5' S0493105	ND
S2-5' S0493106	ND
S3-5' S0493107	73
S4-5' S0493111	ND
S5-5' S0493113	ND
S6-4-6' S0493115	ND
S7-5' S0493117	ND

ppm = parts per million = mg/L = milligrams per liter
ND = Not detected. Compound(s) may be present at concentrations below the reporting limit.

ANALYTICAL PROCEDURES

TOG-- Total oil and grease is measured gravimetrically by standard method 5520e&f.

Laboratory Representative

4-16-93
Date Reported

EXCELCHEM ENVIRONMENTAL LABS IS CERTIFIED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY (Certification No. 1760)

Excelchem
Environmental Labs
8112 Patton Avenue
Citrus Heights, CA 95610
(916) 729-5313

ANALYSIS REPORT

Attention: Ms. Elizabeth Herbert
A.C.C. Environmental
1000 Atlantic Ave., #110
Alameda, CA. 94501

Date Sampled : 04-16-93
Date Received: 04-16-93
TOG Analyzed: 04-16-93
Matrix : Soil

Project: 6089-1

	TOG PPM
Reporting Limit:	50
SAMPLE Laboratory Identification	
S8-5' S0493139	ND
S9-5' S0493141	55
S10-5' S0493143	ND
S11-5' S0493145	ND
S12-5' S0493149	ND
S13-5' S0493151	ND
S14-5' S0493153	ND

ppm = parts per million = mg/L = milligrams per liter
ND = Not detected. Compound(s) may be present at concentrations below the reporting limit.

ANALYTICAL PROCEDURES

TOG-- Total oil and grease is measured gravimetrically by standard method 5520e&f.

Laboratory Representative

4-16-93
Date Reported

EXCELCHEM ENVIRONMENTAL LABS IS CERTIFIED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY (Certification No. 1760)

Excelchem
Environmental Labs
8112 Patton Avenue
Citrus Heights, CA 95610
(916) 729-5313

ANALYSIS REPORT

Attention: Ms. Elizabeth Herbert
A.C.C. Environmental
1000 Atlantic Ave., #110
Alameda, CA. 94501

Date Sampled : 04-16-93
Date Received: 04-16-93
TOG Analyzed: 04-16-93
Matrix : Soil

Project: 6089-1

	TOG PPM
Reporting Limit:	50
SAMPLE Laboratory Identification	
S15-5' S0493155	ND
S16-5' S0493156	ND
S17-5' S0493158	160

ppm = parts per million = mg/L = milligrams per liter
ND = Not detected. Compound(s) may be present at concentrations below the reporting limit.

ANALYTICAL PROCEDURES

TOG-- Total oil and grease is measured gravimetrically by standard method 5520e&f.

Laboratory Representative

4-16-93
Date Reported

EXCELCHEM ENVIRONMENTAL LABS IS CERTIFIED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY (Certification No. 1760)

Excelchem
Environmental Labs
8112 Patton Avenue
Citrus Heights, CA 95610
(916) 729-5313

ANALYSIS REPORT

Attention: Ms. Elizabeth Herbert
A.C.C. Environmental
1000 Atlantic Ave. #110
Alameda, CA. 94501

Date Sampled : 4-14-93
Date Received: 4-15-93
BTEX Analyzed: 4-21-93
TPHg Analyzed: 4-21-93

Project #: Goode Toyota/6089-1

Matrix: Soil

	Benzene PPM	Toluene PPM	Ethyl-benzene PPM	Total Xylenes PPM	TPHg PPM
Reporting Limit:	0.20	0.20	0.20	0.20	500
SAMPLE Laboratory Identification					
MW-4-5' S0493104	ND	0.31	6.1	33	1500

ppm = Parts per million = mg/Kg = milligram per Kilogram
NR = Analyses not requested
ND = Not detected. Compound(s) may be present at concentrations below the reporting limit.

ANALYTICAL PROCEDURES

BTEX-- Benzene, toluene, ethylbenzene, and total xylene isomers (BTEX) are measured by extraction using EPA Method 5030 followed by analysis using EPA Method 8020 which utilizes a gas chromatograph (GC) equipped with a photoionization detector (PID).

TPHg--Total petroleum hydrocarbons as gasoline (low-to-medium boiling points) are measured by extraction using EPA Method 5030, followed by modified EPA Method 8015, which utilizes a GC equipped with an FID.

John Jones
Laboratory Representative

4-23-93
Date Reported

Excelchem
Environmental Labs
8112 Patton Avenue
Citrus Heights, CA 95610
(916) 729-5313

ANALYSIS REPORT

Attention: Ms. Elizabeth Herbert
A.C.C. Environmental
1000 Atlantic Ave. #110
Alameda, CA. 94501

Date Sampled : 4-15-93
Date Received: 4-15-93
BTEX Analyzed: 4-15-93
TPHg Analyzed: 4-15-93

Project #: Goode Toyota/6089-1

Matrix: Soil

	Benzene PPM	Toluene PPM	Ethyl-benzene PPM	Total Xylenes PPM	TPHg PPM
Reporting Limit:	0.005	0.005	0.005	0.005	1.0
SAMPLE Laboratory Identification					
S1-5' S0493105	ND	ND	ND	ND	ND
S2-5' S0493106	ND	ND	ND	ND	ND
S3-5' S0493107	ND	ND	ND	ND	ND
S4-5' S0493111	ND	ND	0.010	0.056	5.8
S5-5' S0493113	ND	3.7	2.8	13	580
S6-4-6' S0493115	0.028	0.46	1.8	8.0	270
S7-5' S0493117	ND	ND	ND	ND	ND

ppm = Parts per million = mg/Kg = milligram per Kilogram
NR = Analyses not requested
ND = Not detected. Compound(s) may be present at concentrations below the reporting limit.

ANALYTICAL PROCEDURES

BTEX-- Benzene, toluene, ethylbenzene, and total xylene isomers (BTEX) are measured by extraction using EPA Method 5030 followed by analysis using EPA Method 8020 which utilizes a gas chromatograph (GC) equipped with a photoionization detector (PID).

TPHg--Total petroleum hydrocarbons as gasoline (low-to-medium boiling points) are measured by extraction using EPA Method 5030, followed by modified EPA Method 8015, which utilizes a GC equipped with an FID.

Laboratory Representative

4-15-93
Date Reported

EXCELCHEM ENVIRONMENTAL LABS IS CERTIFIED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY (Certification No. 1760)

Excelchem
Environmental Labs
8112 Patton Avenue
Citrus Heights, CA 95610
(916) 729-5313

ANALYSIS REPORT

Attention: Ms. Elizabeth Herbert
A.C.C. Environmental
1000 Atlantic Ave. #110
Alameda, CA. 94501

Date Sampled : 4-16-93
Date Received: 4-16-93
BTEX Analyzed: 4-21-93
TPHg Analyzed: 4-21-93

Project #: Goode Toyota/6089-1

Matrix: Soil

	Benzene PPM	Toluene PPM	Ethyl-benzene PPM	Total Xylenes PPM	TPHg PPM
Reporting Limit:	0.005	0.005	0.005	0.005	1.0
SAMPLE Laboratory Identification					
S8-5' S0493139	0.053	0.55	0.22	0.92	39
S9-5' S0493141	ND	0.068	0.48	1.8	120
S14-5' S0493153	ND	ND	ND	ND	ND
S16-5' S0493156	ND	ND	ND	0.012	1.1

ppm = Parts per million = mg/Kg = milligram per Kilogram
NR = Analyses not requested
ND = Not detected. Compound(s) may be present at concentrations below the reporting limit.

ANALYTICAL PROCEDURES

BTEX-- Benzene, toluene, ethylbenzene, and total xylene isomers (BTEX) are measured by extraction using EPA Method 5030 followed by analysis using EPA Method 8020 which utilizes a gas chromatograph (GC) equipped with a photoionization detector (PID).

TPHg--Total petroleum hydrocarbons as gasoline (low-to-medium boiling points) are measured by extraction using EPA Method 5030, followed by modified EPA Method 8015, which utilizes a GC equipped with an FID.

John Jones
Laboratory Representative

4-23-93
Date Reported

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ANALYSIS REPORT

Attention: Ms. Elizabeth Herbert
A.C.C. Environmental
1000 Atlantic Ave. #110
Alameda, CA. 94501

Date Sampled : 4-16-93
Date Received: 4-16-93
BTEX Analyzed: 4-18-93
TPHg Analyzed: 4-18-93

Project #: Goode Toyota/6089-1

Matrix: Soil

	Benzene PPM	Toluene PPM	Ethyl-benzene PPM	Total Xylenes PPM	TPHg PPM
Reporting Limit:	0.005	0.005	0.005	0.005	1.0
SAMPLE Laboratory Identification					
S10-5' S0493143	ND	ND	ND	ND	ND
S11-5' S0493145	ND	ND	ND	ND	ND
S12-5' S0493149	ND	ND	ND	ND	ND
S13-5' S0493151	ND	ND	ND	ND	ND
S15-5' S0493155	ND	ND	ND	ND	ND

ppm = Parts per million = mg/Kg = milligram per Kilogram
NR = Analyses not requested
ND = Not detected. Compound(s) may be present at concentrations below the reporting limit.

ANALYTICAL PROCEDURES

BTEX-- Benzene, toluene, ethylbenzene, and total xylene isomers (BTEX) are measured by extraction using EPA Method 5030 followed by analysis using EPA Method 8020 which utilizes a gas chromatograph (GC) equipped with a photoionization detector (PID).
TPHg--Total petroleum hydrocarbons as gasoline (low-to-medium boiling points) are measured by extraction using EPA Method 5030, followed by modified EPA Method 8015, which utilizes a GC equipped with an FID.

Laboratory Representative

4-19-93
Date Reported

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8112 Patton Avenue
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(916) 729-5313

ANALYSIS REPORT

Attention: Ms. Elizabeth Herbert
A.C.C. Environmental
1000 Atlantic Ave. #110
Alameda, CA. 94501

Date Sampled : 4-16-93
Date Received: 4-16-93
BTEX Analyzed: 4-22-93
TPHg Analyzed: 4-22-93

Project #: Goode Toyota/6089-1

Matrix: Soil

	Benzene PPM	Toluene PPM	Ethyl-benzene PPM	Total Xylenes PPM	TPHg PPM
Reporting Limit:	0.30	0.30	0.30	0.30	500
SAMPLE Laboratory Identification					
** S17-5' S0493158	0.44	0.58	6.4	29	1200

ppm = Parts per million = mg/Kg = milligram per Kilogram
NR = Analyses not requested
** = Surrogate recovery is beyond QA/QC parameters (62%) due to matrix interferences.
ND = Not detected. Compound(s) may be present at concentrations below the reporting limit.

ANALYTICAL PROCEDURES

BTEX-- Benzene, toluene, ethylbenzene, and total xylene isomers (BTEX) are measured by extraction using EPA Method 5030 followed by analysis using EPA Method 8020 which utilizes a gas chromatograph (GC) equipped with a photoionization detector (PID).
TPHg--Total petroleum hydrocarbons as gasoline (low-to-medium boiling points) are measured by extraction using EPA Method 5030, followed by modified EPA Method 8015, which utilizes a GC equipped with an FID.

Laboratory Representative

4-23-93
Date Reported

Excelchem
Environmental Labs
8112 Patton Avenue
Citrus Heights, CA 95610
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ANALYSIS REPORT

Attention: Ms. Elizabeth Herbert
A.C.C. Environmental
1000 Atlantic Ave., #110
Alameda, CA. 94501

Date Sampled : 4-15-93
Date Received: 4-15-93
BTEX Analyzed: 4-17-93
TPHg Analyzed: 4-17-93

Project: Goode Toyota/6089-1

Matrix: Water

	Benzene PPB	Toluene PPB	Ethyl-benzene PPB	Total Xylenes PPB	TPHg PPB
Reporting Limit:	0.5	0.5	0.5	0.5	50
SAMPLE Laboratory Identification					
S1-H_2O W0493108	2.7	10	0.8	5.6	130
S2-H_2O W0493109	0.7	1.9	ND	0.6	52

PPB = Parts per billion = ug/L = micrograms per liter
ND = Not detected. Compound(s) may be present at concentrations below the reporting limit.
NR = Analysis not requested.

ANALYTICAL PROCEDURES

BTEX-- Benzene, toluene, ethylbenzene, and total xylene isomers (BTEX) are analyzed by using EPA Method 602 which utilizes a gas chromatograph (GC) equipped with a photoionization detector (PID).
TPHg--Total petroleum hydrocarbons as gasoline (low-to-medium boiling points) are analyzed by using modified EPA Method 8015, which utilizes a GC equipped with an FID.

Laboratory Representative

4-19-93
Date Reported

EXCELCHEM ENVIRONMENTAL LABS IS CERTIFIED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY (Certification No. 1760)

Excelchem
Environmental Labs
8112 Patton Avenue
Citrus Heights, CA 95610
(916) 729-5313

ANALYSIS REPORT

Attention: Ms. Elizabeth Herbert
A.C.C. Environmental
1000 Atlantic Ave., #110
Alameda, CA. 94501

Date Sampled : 4-15-93
Date Received: 4-15-93
BTEX Analyzed: 4-16-93
TPHg Analyzed: 4-16-93

Project: Goode Toyota/6089-1

Matrix: Water

	Benzene PPB	Toluene PPB	Ethyl-benzene PPB	Total Xylenes PPB	TPHg PPB
Reporting Limit:	0.5	0.5	0.5	0.5	50
SAMPLE Laboratory Identification					
S3-H_2O W0493110	1.9	4.9	0.6	3.5	77
S4-H_2O W0493112	2.7	6.6	1.2	7.1	140
S7-H_2O W0493118	0.5	1.1	ND	0.8	50

PPB = Parts per billion = ug/L = micrograms per liter
ND = Not detected. Compound(s) may be present at concentrations below the reporting limit.
NR = Analysis not requested.

ANALYTICAL PROCEDURES

BTEX-- Benzene, toluene, ethylbenzene, and total xylene isomers (BTEX) are analyzed by using EPA Method 602 which utilizes a gas chromatograph (GC) equipped with a photoionization detector (PID).

TPHg--Total petroleum hydrocarbons as gasoline (low-to-medium boiling points) are analyzed by using modified EPA Method 8015, which utilizes a GC equipped with an FID.

Laboratory Representative

4-16-93
Date Reported

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Environmental Labs
8112 Patton Avenue
Citrus Heights, CA 95610
(916) 729-5313

ANALYSIS REPORT

Attention: Ms. Elizabeth Herbert
A.C.C. Environmental
1000 Atlantic Ave., #110
Alameda, CA. 94501

Date Sampled : 4-15-93
Date Received: 4-15-93
BTEX Analyzed: 4-17-93
TPHg Analyzed: 4-17-93

Project: Goode Toyota/6089-1

Matrix: Water

	Benzene PPB	Toluene PPB	Ethyl-benzene PPB	Total Xylenes PPB	TPHg PPB
Reporting Limit:	50	50	50	50	5000
SAMPLE Laboratory Identification					
S5-H_2O W0493114	75	280	160	540	6000
S6-H_2O W0493116	170	90	1300	460	46000

PPB = Parts per billion = ug/L = micrograms per liter
ND = Not detected. Compound(s) may be present at concentrations below the reporting limit.
NR = Analysis not requested.

ANALYTICAL PROCEDURES

BTEX-- Benzene, toluene, ethylbenzene, and total xylene isomers (BTEX) are analyzed by using EPA Method 602 which utilizes a gas chromatograph (GC) equipped with a photoionization detector (PID).
TPHg--Total petroleum hydrocarbons as gasoline (low-to-medium boiling points) are analyzed by using modified EPA Method 8015, which utilizes a GC equipped with an FID.

Laboratory Representative

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ANALYSIS REPORT

Attention: Ms. Elizabeth Herbert
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1000 Atlantic Ave., #110
Alameda, CA. 94501

Date Sampled : 4-16-93
Date Received: 4-16-93
BTEX Analyzed: 4-19-93
TPHg Analyzed: 4-19-93

Project: Goode Toyota/6089-1

Matrix: Water

	Benzene PPB	Toluene PPB	Ethyl-benzene PPB	Total Xylenes PPB	TPHg PPB
Reporting Limit:	10,000	10,000	10,000	10,000	100,000
SAMPLE Laboratory Identification					
S8-H_2O W0493140	21000	420000	110000	440000	6,000,000

PPB = Parts per billion = ug/L = micrograms per liter
ND = Not detected. Compound(s) may be present at concentrations below the reporting limit.
NR = Analysis not requested.

ANALYTICAL PROCEDURES

BTEX-- Benzene, toluene, ethylbenzene, and total xylene isomers (BTEX) are analyzed by using EPA Method 602 which utilizes a gas chrometograph (GC) equipped with a photoionization detector (PID).
TPHg--Total petroleum hydrocarbons as gasoline (low-to-medium boiling points) are analyzed by using modified EPA Method 8015, which utilizes a GC equipped with an FID.

Laboratory Representative

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Attention: Ms. Elizabeth Herbert
A.C.C. Environmental
1000 Atlantic Ave., #110
Alameda, CA. 94501

Date Sampled : 4-16-93
Date Received: 4-16-93
BTEX Analyzed: 4-16-93
TPHg Analyzed: 4-16-93

Project: Goode Toyota/6089-1

Matrix: Water

	Benzene PPB	Toluene PPB	Ethyl-benzene PPB	Total Xylenes PPB	TPHg PPB
Reporting Limit:	50	50	50	50	5000
SAMPLE Laboratory Identification					
S9-H_2O W0493142	98	380	500	1900	22000

PPB = Parts per billion = ug/L = micrograms per liter
ND = Not detected. Compound(s) may be present at concentrations below the reporting limit.
NR = Analysis not requested.

ANALYTICAL PROCEDURES

BTEX-- Benzene, toluene, ethylbenzene, and total xylene isomers (BTEX) are analyzed by using EPA Method 602 which utilizes a gas chromatograph (GC) equipped with a photoionization detector (PID).
TPHg--Total petroleum hydrocarbons as gasoline (low-to-medium boiling points) are analyzed by using modified EPA Method 8015, which utilizes a GC equipped with an FID.

Laboratory Representative

4-16-93
Date Reported

EXCELCHEM ENVIRONMENTAL LABS IS CERTIFIED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY (Certification No. 1760)

Excelchem
Environmental Labs
8112 Patton Avenue
Citrus Heights, CA 95610
(916) 729-5313

ANALYSIS REPORT

Attention: Ms. Elizabeth Herbert
A.C.C. Environmental
1000 Atlantic Ave., #110
Alameda, CA. 94501

Date Sampled : 4-16-93
Date Received: 4-16-93
BTEX Analyzed: 4-17-93
TPHg Analyzed: 4-17-93

Project: Goode Toyota/6089-1

Matrix: Water

	Benzene PPB	Toluene PPB	Ethyl-benzene PPB	Total Xylenes PPB	TPHg PPB
Reporting Limit:	50	50	50	50	5000
SAMPLE Laboratory Identification					
S10-H_2O W0493144	ND	150	370	1300	42000
S11-H_2O W0493148	790	490	1700	4500	35000

PPB = Parts per billion = ug/L = micrograms per liter
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NR = Analysis not requested.

ANALYTICAL PROCEDURES

BTEX-- Benzene, toluene, ethylbenzene, and total xylene isomers (BTEX) are analyzed by using EPA Method 602 which utilizes a gas chromatograph (GC) equipped with a photoionization detector (PID).
TPHg--Total petroleum hydrocarbons as gasoline (low-to-medium boiling points) are analyzed by using modified EPA Method 8015, which utilizes a GC equipped with an FID.

Laboratory Representative

4-19-93
Date Reported

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ANALYSIS REPORT

Attention: Ms. Elizabeth Herbert
A.C.C. Environmental
1000 Atlantic Ave., #110
Alameda, CA. 94501

Date Sampled : 4-16-93
Date Received: 4-16-93
BTEX Analyzed: 4-16-93
TPHg Analyzed: 4-16-93

Project: Goode Toyota/6089-1

Matrix: Water

	Benzene PPB	Toluene PPB	Ethyl-benzene PPB	Total Xylenes PPB	TPHg PPB
Reporting Limit:	0.5	0.5	0.5	0.5	50
SAMPLE Laboratory Identification					
S12-H_2O W0493150	2.0	4.8	1.0	5.5	100

PPB = Parts per billion = ug/L = micrograms per liter
ND = Not detected. Compound(s) may be present at concentrations below the reporting limit.
NR = Analysis not requested.

ANALYTICAL PROCEDURES

BTEX-- Benzene, toluene, ethylbenzene, and total xylene isomers (BTEX) are analyzed by using EPA Method 602 which utilizes a gas chromatograph (GC) equipped with a photoionization detector (PID).
TPHg--Total petroleum hydrocarbons as gasoline (low-to-medium boiling points) are analyzed by using modified EPA Method 8015, which utilizes a GC equipped with an FID.

Laboratory Representative

4-16-93
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ANALYSIS REPORT

Attention: Ms. Elizabeth Herbert
A.C.C. Environmental
1000 Atlantic Ave., #110
Alameda, CA. 94501

Date Sampled : 4-16-93
Date Received: 4-16-93
BTEX Analyzed: 4-17-93
TPHg Analyzed: 4-17-93

Project: Goode Toyota/6089-1

Matrix: Water

	Benzene PPB	Toluene PPB	Ethyl-benzene PPB	Total Xylenes PPB	TPHg PPB
Reporting Limit:	5	5	5	5	500
SAMPLE Laboratory Identification					
S13-H_2O W0493152	8	10	ND	19	580
S17-H_2O W0493147	20	6	56	220	3400

PPB = Parts per billion = ug/L = micrograms per liter
ND = Not detected. Compound(s) may be present at concentrations below the reporting limit.
NR = Analysis not requested.

ANALYTICAL PROCEDURES

BTEX-- Benzene, toluene, ethylbenzene, and total xylene isomers (BTEX) are analyzed by using EPA Method 602 which utilizes a gas chromatograph (GC) equipped with a photoionization detector (PID).
TPHg--Total petroleum hydrocarbons as gasoline (low-to-medium boiling points) are analyzed by using modified EPA Method 8015, which utilizes a GC equipped with an FID.

Laboratory Representative

4-19-93
Date Reported

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ANALYSIS REPORT

Attention: Ms. Elizabeth Herbert
A.C.C. Environmental
1000 Atlantic Ave., #110
Alameda, CA. 94501

Date Sampled : 4-16-93
Date Received: 4-16-93
BTEX Analyzed: 4-17-93
TPHg Analyzed: 4-17-93

Project: Goode Toyota/6089-1

Matrix: Water

	Benzene PPB	Toluene PPB	Ethyl-benzene PPB	Total Xylenes PPB	TPHg PPB
Reporting Limit:	0.5	0.5	0.5	0.5	50
SAMPLE Laboratory Identification					
S14-H_2O W0493154	1.4	3.2	1.2	5.5	180
S15-H_2O W0493146	ND	ND	ND	ND	52
S16-H_2O W0493157	1.4	2.4	0.6	3.2	180

PPB = Parts per billion = ug/L = micrograms per liter
ND = Not detected. Compound(s) may be present at concentrations below the reporting limit.
NR = Analysis not requested.

ANALYTICAL PROCEDURES

BTEX-- Benzene, toluene, ethylbenzene, and total xylene isomers (BTEX) are analyzed by using EPA Method 602 which utilizes a gas chromatograph (GC) equipped with a photoionization detector (PID).
TPHg--Total petroleum hydrocarbons as gasoline (low-to-medium boiling points) are analyzed by using modified EPA Method 8015, which utilizes a GC equipped with an FID.

Laboratory Representative

4-19-93
Date Reported

EXCELCHEM ENVIRONMENTAL LABS IS CERTIFIED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY (Certification No. 1760)

Excelchem
Environmental Labs
8112 Patton Avenue
Citrus Heights, CA 95610
(916) 729-5313

ANALYSIS REPORT

Attention: Ms. Elizabeth Herbert
A.C.C. Environmental
1000 Atlantic Ave., #110
Alameda, CA. 94501

Date Sampled : 04-15-93
Date Received: 04-15-93
TOG Analyzed: 04-15-93
Matrix : Water

Project: 6089-1

	TOG PPM
Reporting Limit:	10
SAMPLE Laboratory Identification	
S1-H_2O W0493108	ND
S2-H_2O W0493109	ND
S3-H_2O W0493110	ND
S4-H_2O W0493112	ND
S5-H_2O W0493114	ND
S6-H_2O W0493116	20
S7-H_2O W0493118	ND

ppm = parts per million = mg/L = milligrams per liter
ND = Not detected. Compound(s) may be present at concentrations below the reporting limit.

ANALYTICAL PROCEDURES
TOG-- Total oil and grease is measured gravimetrically by standard method 5520e&f.

Laboratory Representative

4-16-93
Date Reported

EXCELCHEM ENVIRONMENTAL LABS IS CERTIFIED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY (Certification No. 1760)

Excelchem
Environmental Labs
8112 Patton Avenue
Citrus Heights, CA 95610
(916) 729-5313

ANALYSIS REPORT

Attention: Ms. Elizabeth Herbert
A.C.C. Environmental
1000 Atlantic Ave., #110
Alameda, CA. 94501

Date Sampled : 04-16-93
Date Received: 04-16-93
TOG Analyzed: 04-16-93
Matrix : Water

Project: 6089-1

	TOG PPM
Reporting Limit:	10
SAMPLE Laboratory Identification	
S8-H_2O W0493140	ND
S10-H_2O W0493144	14
S11-H_2O W0493148	ND
S12-H_2O W0493150	ND
S13-H_2O W0493152	ND
S14-H_2O W0493154	ND
S15-H_2O W0493146	ND

ppm = parts per million = mg/L = milligrams per liter
ND = Not detected. Compound(s) may be present at concentrations below the reporting limit.

ANALYTICAL PROCEDURES

TOG-- Total oil and grease is measured gravimetrically by standard method 5520e&f.

Laboratory Representative

4-16-93
Date Reported

EXCELCHEM ENVIRONMENTAL LABS IS CERTIFIED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY (Certification No. 1760)

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ANALYSIS REPORT

Attention: Ms. Elizabeth Herbert
A.C.C. Environmental
1000 Atlantic Ave., #110
Alameda, CA. 94501

Date Sampled : 04-16-93
Date Received: 04-16-93
TOG Analyzed: 04-16-93
Matrix : Water

Project: 6089-1

	TOG PPM
Reporting Limit:	10
SAMPLE Laboratory Identification	
S16-H_2O W0493157	ND
S17-H_2O W0493147	ND

ppm = parts per million = mg/L = milligrams per liter
ND = Not detected. Compound(s) may be present at concentrations below the reporting limit.

ANALYTICAL PROCEDURES

TOG-- Total oil and grease is measured gravimetrically by standard method 5520e&f.

Laboratory Representative

4-16-93
Date Reported

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ANALYSIS REPORT

Attention: Ms. Elizabeth Herbert
A.C.C. Environmental
1000 Atlantic Ave., #110
Alameda, CA. 94501

Date Sampled : 04-16-93
Date Received: 04-16-93
TOG Analyzed: 04-16-93
Matrix : Water

Project: 6089-1

	TOG PPM
Reporting Limit:	30
SAMPLE Laboratory Identification	
S9-H_2O W0493142	ND

ppm = parts per million = mg/L = milligrams per liter
ND = Not detected. Compound(s) may be present at concentrations below the reporting limit.

ANALYTICAL PROCEDURES

TOG-- Total oil and grease is measured gravimetrically by standard method 5520e&f.

Laboratory Representative

4-16-93
Date Reported

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Metals, CAM 5
EPA Method 6010

Attention:	Mr. John Somers Excelchem Environmental 8112 Patton Avenue Citrus Heights, CA 95610	Date Sampled: Date Received: Date Analyzed:	Apr. 14, 1993 Apr. 19, 1993 Apr. 23, 1993
Project #:		Project Name:	Toyota
Client ID:	MW-4-5'	LAB ID:	ST93-04-313A
Matrix:	Soil	Dilution:	

Name	Amount	Reporting Limit	Units
Cadmium (Cd)	ND	0.5	mg/Kg
Chromium (Cr)	44	1.0	mg/Kg
Lead (Pb)	ND	2.5	mg/Kg
Nickel (Ni)	25	1.0	mg/Kg
Zinc (Zn)	26	1.0	mg/Kg

ppm = parts per million = mg/Kg = milligram per Kilogram

ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.

NR = Not Requested.

R. L. James, Principal Chemist

4-23-93
Date

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA
DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
(Certification No. 1614)

3050 Fite Circle, Suite 112 • Sacramento, California 95827 • (916) 362-8947 • FAX (916) 362-0947

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8270 GCMS Analysis Report

Attention:	Mr. John Somers Excelchem Environmental Labs 8112 Patton Avenue Citrus Heights, CA 95610	Date Sampled: Date Received: Date Analyzed:	Apr. 14, 1993 Apr. 19, 1993 Apr. 25, 1993
Project #:		Project Name:	Toyota
Client ID:	MW-4-5'	LAB ID:	ST93-04-312A
Matrix:	Soil	Dilution:	

Name	Amount	Reporting Limit	Units
N - Nitrosodiphenylamine	ND	330	ug/kg
Naphthalene	ND	330	ug/kg
Nitrobenzene	ND	330	ug/kg
Pentachlorophenol	ND	1600	ug/kg
Phenanthrene	ND	330	ug/kg
Phenol	ND	330	ug/kg
Pyrene	ND	330	ug/kg

Surrogate % Recovery 2 - Fluorophenol =	*
Surrogate % Recovery Phenol - d6 =	*
Surrogate % Recovery Nitrobenzene - d5 =	*
Surrogate % Recovery 2 - Fluorobiphenyl =	*
Surrogate % Recovery 2,4,6 - Tribromophenol =	*
Surrogate % Recovery Terphenyl - d14 =	*

ppb = parts per billion = ug/kg = micrograms per kilogram

ppm = parts per million = ug/g = micrograms per gram

ND = Not Detected. Compound(s) may be present at concentrations below the reporting limit.

*** All surrogates were loss due to high background of hydrocarbons.**

R. L. James, Principal Chemist

4-25-93
Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA
DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
(Certification No. 1614)

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8270 GCMS Analysis Report

Attention:	Mr. John Somers Excelchem Environmental Labs 8112 Patton Avenue Citrus Heights, CA 95610	Date Sampled: Date Received: Date Analyzed:	Apr. 14, 1993 Apr. 19, 1993 Apr. 25, 1993
Project #:		Project Name:	Toyota
Client ID:	MW-4-5'	LAB ID:	ST93-04-312A
Matrix:	Soil	Dilution:	

Name	Amount	Reporting Limit	Units
Anthracene	ND	330	ug/kg
Benzo (a) Anthracene	ND	330	ug/kg
Benzo (a) Pyrene	ND	330	ug/kg
Benzo (b) Fluoranthene	ND	330	ug/kg
Benzo (g, h, i) Perylene	ND	330	ug/kg
Benzo (k) Fluoranthene	ND	330	ug/kg
Benzoic Acid	ND	1600	ug/kg
Benzyl Alcohol	ND	330	ug/kg
bis (- 2 - Chloroethoxy) Methane	ND	330	ug/kg
bis (- 2 - Chloroethyl) Ether	ND	330	ug/kg
bis (2 - chloroisopropyl) Ether	ND	330	ug/kg
bis (2 - Ethylhexyl) Phthalate	ND	330	ug/kg
Butylbenzylphthalate	ND	330	ug/kg
Chrysene	ND	330	ug/kg
Di - N - Butylphthalate	ND	330	ug/kg
Di - N - Octyl Phthalate	ND	330	ug/kg
Dibenz (a, h) Anthracene	ND	330	ug/kg
Dibenzofuran	ND	330	ug/kg
Diethylphtalate	ND	330	ug/kg
Dimethyl Phthalate	ND	330	ug/kg
Fluoranthene	ND	330	ug/kg
Fluorene	ND	330	ug/kg
Hexachlorobenzene	ND	330	ug/kg
Hexachlorobutadiene	ND	330	ug/kg
Hexachlorocyclopentadiene	ND	330	ug/kg
Hexachloroethane	ND	330	ug/kg
Indeno (1,2,3 - cd) Pyrene	ND	330	ug/kg
Isophorone	ND	330	ug/kg
N - Nitroso - Di - Propylamine	ND	330	ug/kg

ppb = parts per billion = ug/kg = micrograms per kilogram

ppm = parts per million = ug/g = micrograms per gram

ND = Not Detected. Compound(s) may be present at concentrations below the reporting limit.

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8270 GCMS Analysis Report

Attention:	Mr. John Somers Excelchem Environmental Labs 8112 Patton Avenue Citrus Heights, CA 95610	Date Sampled: Date Received: Date Analyzed:	Apr. 14, 1993 Apr. 19, 1993 Apr. 25, 1993
Project #:		Project Name:	Toyota
Client ID:	MW-4-5'	LAB ID:	ST93-04-312A
Matrix:	Soil	Dilution:	

Name	Amount	Reporting Limit	Units
1,2 - Dichlorobenzene	ND	330	ug/kg
1,2,4 - Trichlorobenzene	ND	330	ug/kg
1,3 - Dichlorobenzene	ND	330	ug/kg
1,4 - Dichlorobenzene	ND	330	ug/kg
2 - Chloronaphthalene	ND	330	ug/kg
2 - Chlorophenol	ND	330	ug/kg
2 - Methylnaphthalene	ND	330	ug/kg
2 - Methylphenol	ND	330	ug/kg
2 - Nitrophenol	ND	330	ug/kg
2,4 - Dichlorophenol	ND	330	ug/kg
2,4 - Dimethylphenol	ND	330	ug/kg
2,4 - Dinitrophenol	ND	1600	ug/kg
2,4 - Dinitrotoluene	ND	330	ug/kg
2,4,5 - Trichlorophenol	ND	1600	ug/kg
2,4,6 - Trichlorophenol	ND	330	ug/kg
2,6 - Dinitrotoluene	ND	330	ug/kg
2 - Nitroaniline	ND	1600	ug/kg
3,3' - Dichlorobenzidine	ND	660	ug/kg
3 - Nitroaniline	ND	1600	ug/kg
4 - Bromophenyl - phenylether	ND	330	ug/kg
4 - Chloro - 3 - Methylphenol	ND	330	ug/kg
4 - Chloroaniline	ND	330	ug/kg
4 - Methylphenol	ND	330	ug/kg
4 - Nitroaniline	ND	1600	ug/kg
4 - Nitrophenol	ND	1600	ug/kg
4,6 - Dinitro - 2 - Methylphenol	ND	1600	ug/kg
4 - Chlorophenyl - phenylether	ND	330	ug/kg
Acenaphthene	ND	330	ug/kg
Acenaphthylene	ND	330	ug/kg

ppb = parts per billion = ug/kg = micrograms per kilogram

ppm = parts per million = ug/g = micrograms per gram

ND = Not Detected. Compound(s) may be present at concentrations below the reporting limit.

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8240 GCMS Analysis Report

Attention:	Mr. John Somers Excelchem Environmental Labs 8112 Patton Avenue Citrus Heights, CA 95610	Date Sampled: Date Received: Date Analyzed:	Apr. 14, 1993 Apr. 19, 1993 Apr. 22, 1993
Project #:		Project Name:	Toyota
Client ID:	MW-4.-5'	LAB ID:	ST93-04-311A
Matrix:	Soil	Dilution:	

Name	Amount	Reporting Limit	Units
1,1 - Dichloroethane	ND	5.0	ug/kg
1,1 - Dichloroethene	ND	5.0	ug/kg
1,1,1 - Trichloroethane	ND	5.0	ug/kg
1,1,2 - Trichloroethane	230	5.0	ug/kg
1,1,2,2 - Tetrachloroethane	52	5.0	ug/kg
1,2 - Dichloroethane	ND	5.0	ug/kg
1,2 - Dichloroethene	ND	5.0	ug/kg
1,2 - Dichloropropane	ND	5.0	ug/kg
2 - Butanone	ND	5.0	ug/kg
2 - Hexanone	ND	10	ug/kg
4 - Methyl - 2 - pentanone	320	10	ug/kg
Acetone	ND	25	ug/kg
Benzene	38	5.0	ug/kg
Bromodichloromethane	7.3	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	5.0	ug/kg
Carbon disulfide	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chloroethane	ND	5.0	ug/kg
Chloroform	ND	5.0	ug/kg
Chloromethane	ND	5.0	ug/kg
cis - 1,3 - Dichloropropene	ND	5.0	ug/kg
Dibromochloromethane	ND	5.0	ug/kg

ppb = parts per billion = ug/kg = micrograms per kilogram

ppm = parts per million = ug/g = micrograms per gram

ND = Not Detected. Compound(s) may be present at concentrations below the reporting limit

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8240 GCMS Analysis Report

Attention:	Mr. John Somers Excelchem Environmental Labs 8112 Patton Avenue Citrus Heights, CA 95610	Date Sampled: Date Received: Date Analyzed:	Apr. 14, 1993 Apr. 19, 1993 Apr. 22, 1993
Project #:		Project Name:	Toyota
Client ID:	MW-4.-5'	LAB ID:	ST93-04-311A
Matrix:	Soil	Dilution:	

Name	Amount	Reporting Limit	Units
Ethyl benzene	970	5.0	ug/kg
Methylene chloride	ND	10	ug/kg
Styrene	57	5.0	ug/kg
Tetrachloroethene	ND	5.0	ug/kg
Toluene	91	5.0	ug/kg
Total xylenes	2400	5.0	ug/kg
trans - 1,3 - Dichloropropene	5.3	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Vinyl acetate	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg

Surrogate % Recovery 1,2 - Dichloroethane d-4 =	100%
Surrogate % Recovery Toluene d-8 =	130%
Surrogate % Recovery 4 - Bromofluorobenzene =	95%

ppb = parts per billion = ug/kg = micrograms per kilogram
ppm = parts per million = ug/g = micrograms per gram
ND = Not Detected. Compound(s) may be present at concentrations below the reporting limit.

R. L. James, Principal Chemist

4-22-93
Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA
DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
(Certification No. 1614)

Excelchem
Environmental Labs

8112 Patton Avenue
Citrus Heights, CA 95610 (916) 729-5313

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager:

Phone #: (510) 522-8188

Company/Address: ACC Environmental

FAX #: (510) 865-5731

Project Number: 6089-1

P.O.#:

Project Name: Goode Toyota

Project Location: Alameda

Sampler Signature: Misty Kaltreider

ANALYSIS REQUEST

TAT

Sample ID	Sampling DATE	Sampling TIME	Container VOA	Container SLEEVE	Container 1L GLASS	Container 1L PLASTIC	Method Preserved HCl	Method Preserved HNO_3	Method Preserved ICE	Method Preserved NONE	Matrix WATER	Matrix SOIL	Matrix	#	BTEX (602/8020)	BTEX/TPH as Gasoline (602/8020/8015)	TPH as Diesel/Oil (8015)	Total Oil & Grease (5520 B/E,F)	Total Oil & Grease IR (5520 B/E,F,C)	96 - Hour Fish Bioassay	EPA 601/8010	EPA 602/8020	EPA 615/8150	EPA 608/8080 - Pesticides	EPA 608/8080-PCBs	EPA 624/8240	EPA 625/8270	ORGANIC LEAD	Reactivity, Corrosivity, Ignitibility	CAM - 17 Metals	EPA - Priority Pollutant Metals	LEAD(7420/7421/239.2)	Cd, Cr, Pb, Zn, Ni (AA)	W.E.T. (Y)	TOTAL (Y)	RUSH SERVICE (12 hr) or (24 hr)	EXPEDITED SERVICE (48 hr)	STANDARD SERVICE
MW4-5'	4/14/93								X			X		1		X	X	X								X	X						X					X
S-1 5'	4/15/93	10:05										X		1		X		X																				
S2-5'	4/15/93	10:30										X		1		X		X																				
S3-5'	4/15/93	10:00										X		1		X		X																				
S1-H_2O	4/15/93	11:20									X			3		X		X																				
S2-H_2O	"	11:20									X			3		X		X																				
S3-H_2O	"	11:20									X			3		X		X																				
S4-5'	1	1:05										X		1		X		X																				

Relinquished by:	Date	Time	Received by:	Remarks:
Misty Kaltreider	4/15/93		4-15-93	
Relinquished by	Date	Time	Received by:	
Relinquished by	Date	Time	Received by Laboratory:	Bill To:

Excelchem
Environmental Labs

8112 Patton Avenue
Citrus Heights, CA 95610 (916) 729-5313

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager:

Phone #: (510) 522-9188

Company/Address: ACC Environmental

FAX #: (510) 865-5731

Project Number: P.O.#:

Project Name: Goode Tyob.

Project Location:

Sampler Signature: Misty Kaltreider

ANALYSIS REQUEST | **TAT**

Sample ID	Sampling DATE	Sampling TIME	Container VOA	Container SLEEVE	Container 1L GLASS	Container 1L PLASTIC	Method Preserved HCl	Method Preserved HNO3	Method Preserved ICE	Method Preserved NONE	Matrix WATER	Matrix SOIL	Matrix	#	BTEX (602/8020)	BTEX/TPH as Gasoline (602/8020/8015)	TPH as Diesel/Oil (8015)	Total Oil & Grease (5520 B/E,F)	Total Oil & Grease IR (5520 B/E,F,C)	96 - Hour Fish Bioassay	EPA 601/8010	EPA 602/8020	EPA 615/8150	EPA 608/8080 - Pesticides	EPA 608/8080-PCBs	EPA 624/8240	EPA 625/8270	ORGANIC LEAD	Reactivity, Corrosivity, Ignitibility	W.E.T. (✓)	TOTAL (✓)	CAM - 17 Metals	EPA - Priority Pollutant Metals	LEAD(7420/7421/239.2)	Cd, Cr, Pb, Zn, Ni	RUSH SERVICE (12 hr) or (24 hr)	EXPEDITED SERVICE (48 hr)	STANDARD SERVICE
S8-5'	4/16/93	8:00										X		1		X		X																			
S8-H_2O		8:15									X			4		X		X																			
S9-5'		8:15										X		1		X		X																			
S9-H_2O		8:20									X			4		X		X																			
S10-5'		8:50										X		1		X		X																			
S10-H_2O		9:30									X			4		X		X																			
S11-5'		10:05										X		1		X	1	X																			
S15-H_2O											X			4		X		X																			
S17-H_2O		4:15									Y			4		X		X																			

Relinquished by:	Date	Time	Received by:	Remarks:
Misty Kaltreider	4/16/93	5:15		
Relinquished by	Date	Time	Received by:	
Relinquished by	Date	Time	Received by Laboratory: Jan Cox 4-16-93 5:15 PM	Bill To:

Excelchem
Environmental Labs

8112 Patton Avenue
Citrus Heights, CA 95610
(916) 729-5313

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager:

Phone #: (510) 522-8188

Company/Address: ACC Environmental

FAX #: (510) 865-5731

Project Number:

P.O.#:

Project Name: Goode Toyota

Project Location:

Sampler Signature: Misty K Heide

ANALYSIS REQUEST

TAT

Sample ID	Sampling DATE	Sampling TIME	Container VOA	Container SLEEVE	Container 1L GLASS	Container 1L PLASTIC	Method Preserved HCl	Method Preserved HNO_3	Method Preserved ICE	Method Preserved NONE	Matrix WATER	Matrix SOIL	Matrix	# of Containers	BTEX (602/8020)	BTEX/TPH as Gasoline (602/8020/8015)	TPH as Diesel/Oil (8015)	Total Oil & Grease (5520 B/E,F)	Total Oil & Grease IR (5520 B/E,F,C)	96 - Hour Fish Bioassay	EPA 601/8010	EPA 602/8020	EPA 615/8150	EPA 608/8080 - Pesticides	EPA 608/8080-PCBs	EPA 624/8240	EPA 625/8270	ORGANIC LEAD	Reactivity, Corrosivity, Ignitibility	W.E.T. (✓)	TOTAL (✓)	CAM - 17 Metals	EPA - Priority Pollutant Metals	LEAD(7420/7421/239.2)	Cd, Cr, Pb, Zn, Ni	RUSH SERVICE (12 hr) or (24 hr)	EXPEDITED SERVICE (48 hr)	STANDARD SERVICE
S11-H_2O	4/16/93	10:30									X			4		X		X																			
S12-5'		10:50										X		1		X		X																			
S12-H_2O		11:16									X			4		X		X																			
S13-5'		11:30										X		1		X		X																			
S13-H_2O		12:00									X			4		X		X																			
S14-5'		1:50										X		1		X		X																			
S14-H_2O		2:30									X			4		X		X																			
S15-5'		2:45										X		1		X		X																			
S16-5		3:15										X		1		X		X																			
S16-H_2O		3:45									X			4		X		X																			
S17-5'		3:45										X		1		X		X																			

Relinquished by:	Date	Time	Received by:
Misty K Heide	4/16/93	5:15	
Relinquished by	Date	Time	Received by:
Relinquished by	Date	Time	Received by Laboratory:
			Jan 4-16-93 5:15pm

Remarks:

Bill To:

Excelchem
Environmental Labs
8112 Patton Avenue
Citrus Heights, CA 95610 (916) 729-5313

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager:
Phone #: (510) 522-8188

Company/Address: ACC Environmental
FAX #: (510) 865-5731

Project Number: 6089-1
P.O.#:
Project Name: Goode Toyota

Project Location:
Sampler Signature: Misty Kaltreider

ANALYSIS REQUEST

Sample ID	Sampling DATE 1/15/93	Sampling TIME	Container VOA	SLEEVE	1L GLASS	1L PLASTIC	Method Preserved HCl	HNO_3	ICE	NONE	Matrix WATER	SOIL		BTEX (602/8020)	BTEX/TPH as Gasoline (602/8020/8015)	TPH as Diesel/Oil (8015)	Total Oil & Grease (5520 B/E,F)	Total Oil & Grease IR (5520 B/E,F,C)	96 - Hour Fish Bioassay	EPA 601/8010	EPA 602/8020	EPA 615/8150	EPA 608/8080 - Pesticides	EPA 608/8080-PCBs	EPA 624/8240	EPA 625/8270	ORGANIC LEAD	Reactivity, Corrosivity, Ignitibility	W.E.T. (✓) / TOTAL (✓): CAM - 17 Metals	EPA - Priority Pollutant Metals	LEAD(7420/7421/239.2)	Cd, Cr, Pb, Zn, Ni	TAT: RUSH SERVICE (12 hr) or (24 hr)	EXPEDITED SERVICE (48 hr)	STANDARD SERVICE
S4-H_2O	|	1:50									X		3		X		X																		
S5-5'	|	2:00										X	1		X		X																		
S5-H_2O	|	2:30									X		3		X		X																		
S6-4-6'		2:45										Y	2		X		X																		
S6-H_2O		3:10									X		3		X		X																		
S7-5'		3:45										X	1		X		X																		
* S7-H_2O		4:30									X		3		X		X																		

Relinquished by:	Date	Time	Received by:
Misty Kaltreider	4/15/93	5:15	
Relinquished by	Date	Time	Received by:
Relinquished by	Date	Time	Received by Laboratory: [signature] 4-15-93

Remarks:

Bill To:

CHROMALAB, INC.

DOHS 1094

2239 Omega Road, #1 • San Ramon, California 94583
510/831-1788 • Facsimile 510/831-8798

Chain of Custody

DATE 5/17/93 PAGE 1 OF 1

PROJ. MGR. ~~M. [illegible]~~ B. Herbert
COMPANY ACC
ADDRESS 1000 Atlantic Ave
Alameda, CA 94501

SAMPLERS (SIGNATURE) Cal Sone (PHONE NO.) (510) 522-8758

ANALYSIS REPORT

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-4	5/14	5:00	Water	Cold		✓	✓		✓	✓	✓	✓				✓					8

PROJECT INFORMATION	SAMPLE RECEIPT	
PROJECT NAME: Ron Goode Toyota	TOTAL NO. OF CONTAINERS	8
PROJECT NUMBER:	HEAD SPACE	
	REC'D GOOD CONDITION/COLD	
P.O. #	CONFORMS TO RECORD	

TAT: STANDARD 5-DAY (circled) | 24 | 48 | 72 | OTHER

SPECIAL INSTRUCTIONS/COMMENTS:

RELINQUISHED BY 1.	RELINQUISHED BY 2.	RELINQUISHED BY 3.
(SIGNATURE) Cal Sone (TIME)	(SIGNATURE) (TIME)	(SIGNATURE) (TIME)
(PRINTED NAME) Cal Sone (DATE) 5/17/93	(PRINTED NAME) (DATE)	(PRINTED NAME) (DATE)
(COMPANY) ACC	(COMPANY)	(COMPANY)

RECEIVED BY 1	RECEIVED BY 2.	RECEIVED BY (LABORATORY) 3.
(SIGNATURE) (TIME)	(SIGNATURE) (TIME)	(SIGNATURE) [signature] (TIME) 14:30
(PRINTED NAME) (DATE)	(PRINTED NAME) (DATE)	(PRINTED NAME) B. Mercer (DATE) 5-17-93
(COMPANY)	(COMPANY)	(LAB) Chromalab

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

May 19, 1993

ChromaLab File No.: 0593173
Submission #: 9305000201

ACC ENVIRONMENTAL CONSULTANTS

Attn: B. Herbert

RE: One water sample for Oil & Grease analysis

Project Name: RON GOODE TOYOTA
Date Sampled: May 14, 1993
Date Analyzed: May 19, 1993

Date Submitted: May 17, 1993

RESULTS:

Sample I.D.	Oil & Grease (mg/L)
MW-4	3.1
BLANK	N.D.
DETECTION LIMIT	1.0
METHOD OF ANALYSIS	STD METHOD 5520 B & F

ChromaLab, Inc.

Carolyn M. House
Analyst

Eric Tam
Laboratory Director

do

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

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

May 21, 1993

ChromaLab File No.: 0593173
Submission #: 9305000201

ACC ENVIRONMENTAL CONSULTANTS

Attn: B. Herbert

RE: One water sample for Gasoline and BTEX analysis

Project Name: RON GOODE TOYOTA
Date Sampled: May 14, 1993 Date Submitted: May 17, 1993
Date Analyzed: May 20, 1993

RESULTS:

Sample I.D.	Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	Total Xylenes (µg/L)
MW-4	N.D.	N.D.	N.D.	N.D.	N.D.
BLANK	N.D.	N.D.	N.D.	N.D.	N.D.
SPIKE RECOVERY	96%	116%	110%	119%	110%
DUP SPIKE RECOVERY	----	109%	106%	115%	106%
DETECTION LIMIT	50	0.5	0.5	0.5	0.5
METHOD OF ANALYSIS	5030/8015	602	602	602	602

ChromaLab, Inc.

Eric Costa
Analytical Chemist

Eric Tam
Laboratory Director

do

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

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

May 21, 1993

ChromaLab File No.: 0593173
Submission #: 9305000201

ACC ENVIRONMENTAL CONSULTANTS

Attn: B. Herbert

RE: One water sample for Diesel analysis

Project Name: RON GOODE TOYOTA
Date Sampled: May 14, 1993 Date Submitted: May 17, 1993
Date Extracted: May 21, 1993 Date Analyzed: May 21, 1993

RESULTS:

Sample I.D.	Diesel (µg/L)
MW-4	N.D.*
BLANK	N.D.
SPIKE RECOVERY	109%
DUP SPIKE RECOVERY	117%
DETECTION LIMIT	50
METHOD OF ANALYSIS	3510/8015

*Unknown hydrocarbon found in early diesel range. If quantified as diesel, concentration would be 150 µg/l.

ChromaLab, Inc.

Yiu Tam
Analytical Chemist

Eric Tam
Laboratory Director

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

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

May 21, 1993

ACC ENVIRONMENTAL CONSULTANTS

Project Name: RON GOODE TOYOTA
Date Sampled: May 14, 1993
Date Submitted: May 17, 1993
Date of Analysis: May 21, 1993
Sample I.D.: MW-4

ChromaLab File # 0593173
Submission #: 9305000201
Attn: B. Herbert

Project No:
Method of Analysis: EPA 601
Matrix: Water
Reporting Det. Limit: 0.5 µg/L
Dilution Factor: None

COMPOUND NAME	µg/L	Spike Recovery
CHLOROMETHANE	N.D.	---
VINYL CHLORIDE	N.D.	---
BROMOMETHANE	N.D.	---
CHLOROETHANE	N.D.	---
TRICHLOROFLUOROMETHANE	N.D.	---
1,1-DICHLOROETHENE	N.D.	93% 96%
METHYLENE CHLORIDE	N.D.	---
1,2-DICHLOROETHENE (TRANS)	N.D.	---
1,1-DICHLOROETHANE	N.D.	---
CHLOROFORM	N.D.	---
1,1,1-TRICHLOROETHANE	N.D.	---
CARBON TETRACHLORIDE	N.D.	---
1,2-DICHLOROETHANE	5.7	---
TRICHLOROETHENE	N.D.	120% 136%
1,2-DICHLOROPROPANE	N.D.	---
BROMODICHLOROMETHANE	N.D.	---
2-CHLOROETHYLVINYLETHER	N.D.	---
TRANS-1,3-DICHLOROPROPENE	N.D.	---
CIS-1,3-DICHLOROPROPENE	N.D.	---
1,1,2-TRICHLOROETHANE	N.D.	---
TETRACHLOROETHENE	N.D.	---
DIBROMOCHLOROMETHANE	N.D.	---
CHLOROBENZENE	N.D.	90% 102%
BROMOFORM	N.D.	---
1,1,2,2-TETRACHLOROETHANE	N.D.	100% 118%
1,3-DICHLOROBENZENE	N.D.	---
1,4-DICHLOROBENZENE	N.D.	---
1,2-DICHLOROBENZENE	N.D.	---

ChromaLab, Inc.

David Wintergrass
Analytical Chemist

Eric Tam
Laboratory Director

do

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

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

May 24, 1993

ChromaLab File No.: 0593173
Submission #: 9305000201

ACC ENVIRONMENTAL CONSULTANTS

Attn: B. Herbert

RE: One water sample for LUFT (5) Metals analysis

Project Name: RON GOODE TOYOTA
Date Sampled: May 14, 1993
Date Submitted: May 17, 1993
Date Analyzed: May 20, 1993

RESULTS:

Sample I.D.	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Nickel (mg/L)	Zinc (mg/L)
MW-4	N.D.	N.D.	0.02	N.D.	0.008
BLANK	N.D.	N.D.	N.D.	N.D.	N.D.
DETECTION LIMIT	0.005	0.01	0.01	0.01	0.005
METHOD OF ANALYSIS	3010/ 6010	3010/ 6010	3010/ 6010	3010/ 6010	3010/ 6010

ChromaLab, Inc.

Charles Woolley
Analytical Chemist

Refaat A. Mankarious
Inorganic Supervisor

cc

2239 Omega Road,#1 • San Ramon, California 94583
(510) 831-1788 • Facsimile (510) 831-8798
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CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

May 25, 1993

ChromaLab File # 0593173
Submission #: 9305000201

ACC ENVIRONMENTAL CONSULTANTS

Attn: B. Herbert

Project Name: RON GOODE TOYOTA
Date Sampled: May 14, 1993
Date Submitted: May 17, 1993
Date Analyzed: May 25, 1993
Sample I.D.: MW-4

Project No:
Method of Analysis: EPA 625
Matrix: Water
Reporting Limit: see below
Dilution Factor: None

COMPOUND NAME	Sample mg/l	MDL mg/l	Spike Recovery
PHENOL	N.D.	0.002	81% 86%
BIS(2-CHLOROETHYL) ETHER	N.D.	0.002	-----
2-CHLOROPHENOL	N.D.	0.002	112% 105%
1,3-DICHLOROBENZENE	N.D.	0.002	-----
1,4-DICHLOROBENZENE	N.D.	0.002	-----
BENZYL ALCOHOL	N.D.	0.004	-----
1,2-DICHLOROBENZENE	N.D.	0.002	-----
2-METHYLPHENOL	N.D.	0.002	-----
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	0.002	-----
4-METHYLPHENOL	N.D.	0.002	-----
N-NITROSO-DI-N-PROPYLAMINE	N.D.	0.002	84% 77%
HEXACHLOROETHANE	N.D.	0.002	-----
NITROBENZENE	N.D.	0.002	-----
ISOPHORONE	N.D.	0.002	-----
2-NITROPHENOL	N.D.	0.002	-----
2,4-DIMETHYLPHENOL	N.D.	0.002	-----
BENZOIC ACID	N.D.	0.010	-----
BIS(2-CHLOROETHOXY)METHANE	N.D.	0.002	-----
2,4-DICHLOROPHENOL	N.D.	0.002	-----
1,2,4-TRICHLOROBENZENE	N.D.	0.002	82% 77%
NAPHTHALENE	N.D.	0.002	-----
4-CHLOROANILINE	N.D.	0.004	-----
HEXACHLOROBUTADIENE	N.D.	0.002	-----
4-CHLORO-3-METHYLPHENOL	N.D.	0.004	91% 87%
2-METHYLNAPHTHALENE	N.D.	0.002	-----
HEXACHLOROCYCLOPENTADIENE	N.D.	0.002	-----
2,4,6-TRICHLOROPHENOL	N.D.	0.002	-----
2,4,5-TRICHLOROPHENOL	N.D.	0.002	-----
2-CHLORONAPHTHALENE	N.D.	0.002	-----
2-NITROANILINE	N.D.	0.010	-----
DIMETHYL PHTHALATE	N.D.	0.002	-----
ACENAPHTHYLENE	N.D.	0.002	-----
3-NITROANILINE	N.D.	0.010	-----
ACENAPHTHENE	N.D.	0.002	82% 82%
2,4-DINITROPHENOL	N.D.	0.010	-----
4-NITROPHENOL	N.D.	0.010	-----
DIBENZOFURAN	N.D.	0.002	-----

(continued on next page)

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

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

ChromaLab File # 0593173

Project Name: RON GOODE TOYOTA
Sample I.D.: MW-4
Method of Analysis: EPA 625 Matrix: water

COMPOUND NAME	Sample mg/l	MDL mg/l	Spike Recovery
2,4-DINITROTOLUENE	N.D.	0.002	-----
2,6-DINITROTOLUENE	N.D.	0.002	74% 72%
DIETHYL PHTHALATE	N.D.	0.002	-----
4-CHLORO-PHENYL PHENYL ETHER	N.D.	0.002	-----
FLUORENE	N.D.	0.002	-----
4-NITROANILINE	N.D.	0.010	-----
4,6-DINITRO-2-METHYL PHENOL	N.D.	0.010	-----
N-NITROSODIPHENYLAMINE	N.D.	0.002	-----
4-BROMOPHENYL PHENYL ETHER	N.D.	0.002	-----
HEXACHLOROBENZENE	N.D.	0.002	-----
PENTACHLOROPHENOL	N.D.	0.010	62% 55%
PHENANTHRENE	N.D.	0.002	-----
ANTHRACENE	N.D.	0.002	-----
DI-N-BUTYL PHTHALATE	N.D.	0.020	-----
FLUORANTHENE	N.D.	0.002	-----
PYRENE	N.D.	0.002	89% 92%
BUTYLBENZYLPHTHALATE	N.D.	0.002	-----
3,3'-DICHLOROBENZIDINE	N.D.	0.004	-----
BENZO(A)ANTHRACENE	N.D.	0.002	-----
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	0.020	-----
CHRYSENE	N.D.	0.002	-----
DI-N-OCTYLPHTHALATE	N.D.	0.002	-----
BENZO(B)FLUORANTHENE	N.D.	0.002	-----
BENZO(K)FLUORANTHENE	N.D.	0.002	-----
BENZO(A)PYRENE	N.D.	0.002	-----
INDENO(1,2,3 C,D)PYRENE	N.D.	0.002	-----
DIBENZO(A,H)ANTHRACENE	N.D.	0.002	-----
BENZO(G,H,I)PERYLENE	N.D.	0.002	-----

ChromaLab, Inc.

Yiu Tam
Analytical Chemist

Eric Tam
Lab Director

2239 Omega Road,#1 • San Ramon, California 94583
(510) 831-1788 • Facsimile (510) 831-8798
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CHROMALAB, INC.

DOHS 1094

22 CHROMALAB FILE # 593173
ORDER # 11726

Chain of Custody

DATE 5/17/93 PAGE 1 OF 1

PROJ. MGR. M. Hollander B Herbert
COMPANY ACC
ADDRESS 1000 Atlantic Ave
Alameda, CA 94501
SAMPLERS (SIGNATURE) (PHONE NO.) (510) 522-5155

ANALYSIS REPORT

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-4	5/14	5:00	water	Cold		✓	✓		✓	✓		✓					✓									8

PROJECT INFORMATION

PROJECT NAME: Ron Goode Toyota
PROJECT NUMBER:
P.O. #

SAMPLE RECEIPT

TOTAL NO. OF CONTAINERS	8
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) (TIME)	(SIGNATURE) (TIME)	(SIGNATURE) (TIME)
Cal Sowa 5/17/93		
(PRINTED NAME) (DATE)	(PRINTED NAME) (DATE)	(PRINTED NAME) (DATE)
ACC		
(COMPANY)	(COMPANY)	(COMPANY)
RECEIVED BY 1.	**RECEIVED BY 2.**	**RECEIVED BY (LABORATORY) 3.**
(SIGNATURE) (TIME)	(SIGNATURE) (TIME)	(SIGNATURE) 14:30 (TIME)
(PRINTED NAME) (DATE)	(PRINTED NAME) (DATE)	P Morrow 5-17-93 (PRINTED NAME) (DATE)
(COMPANY)	(COMPANY)	Chromalab (COMPANY)

EXHIBIT C

Well Sampling [✓] Well Development [ ] check one

Well Number: MW-4

Job Number:

Job Name: Ken Goode Toyota

Date: 5/14/93

Sampler: Carl Soave

Call Chromalab
Sampled 5:00

Depth to Water (measured from TOC): 3.49'

Inside Diameter of Casing: 2"

Depth of Boring: 15'

Method of well development/purging: Bailer

Amount of Water Bailed/Pumped from well: 8.0 gallons

Depth to Water after well development: —

Depth to water prior to sampling: 5.50'

Bailed water stored on-site ? How ? Drum

Number of well volumes removed: 4

TSP wash, distilled rinse, new rope ? Yes

Water Appearance:

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

Gallons Removed	pH	EC	Temp
5	7.45	920	63.8
10	7.49	9.20	63.8
15	7.50	9.15	63.8
20			
25			
30			
35			
40			
45			
50			

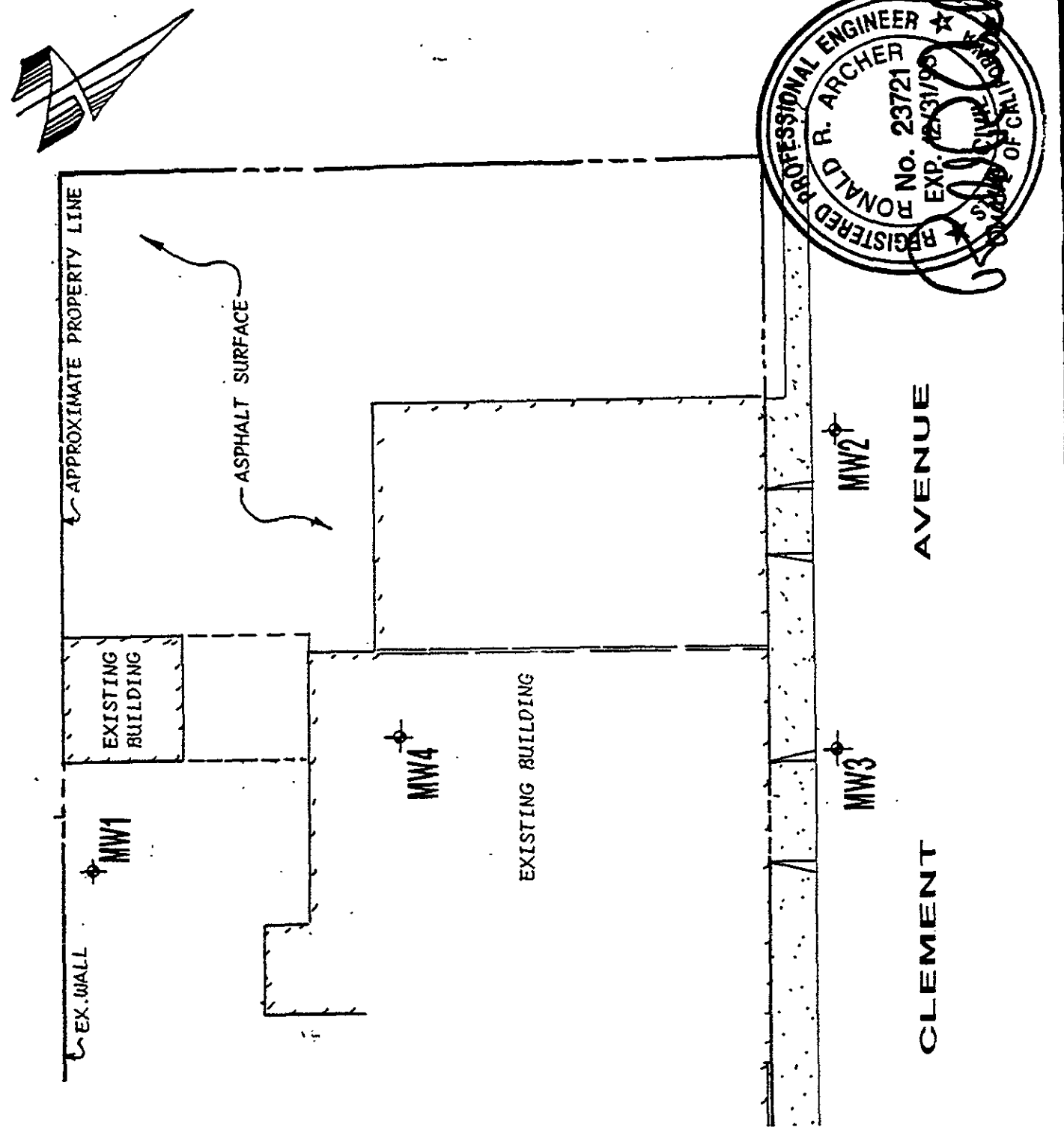
Samples Obtained:

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

8240
8270

To G

EXHIBIT D



APRIL 13, 1993

JOB NO. 2014

0 5 10 15 20 25 30 60

GRAPHIC SCALE

PLAT SHOWING EXISTING MONITORING WELLS AT THE RON GOODE TOYOTA DEALERSHIP, LOCATED AT 1825 PARK STREET AT CLEMENT AVENUE, CITY OF ALAMEDA, ALAMEDA COUNTY, CALIFORNIA.

FOR: ACC ENVIRONMENTAL CONSULTANTS, INC.

SCALE: 1"=30'

PROJECT NO. 6089-1

RON ARCHER, CIVIL ENGINEER, INC.
4133 MOHR AVE., SUITE E
PLEASANTON, CA 94566
PHONE (510) 462-9372

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

RON ARCHER
CIVIL ENGINEER, INC.
CONSULTING • PLANNING • DESIGN • SURVEYING

4133 Mohr Ave., Suite E • Pleasanton, CA 94566
(510) 462-9372

APRIL 13, 1993 JOB NO. 2014

ELEVATIONS OF EXISTING MONITORING WELLS AT THE RON GOODE TOYOTA DEALERSHIP, LOCATED AT 1825 PARK STREET AT CLEMENT AVENUE, CITY OF ALAMEDA, ALAMEDA COUNTY, CALIFORNIA.

FOR: ACC ENVIRONMENTAL INC.
PROJECT NO. 6089-1

BENCHMARK:
TOP OF A U.S.G.S. BRASS DISC STAMPED PARK-CLEM-1947 SET IN A STANDARD MONUMENT CASING BEHIND FACE OF CURB AT MID RETURN AT THE SOUTHWEST CORNER OF INTERSECTION OF CLEMENT AVENUE AND PARK STREET. ELEVATION TAKEN AS 11.45 M.S.L.

MONITOR WELL DATA TABLE

WELL DESIGNATION	ELEV	DESCRIPTION
MW1	14.57	TOP OF PVC CASING
	14.87	TOP OF BOX
MW2	11.68	TOP OF PVC CASING
	11.91	TOP OF BOX
MW3	11.75	TOP OF PVC CASING
	12.04	TOP OF BOX
MW4	13.00	TOP OF PVC CASING
	13.55	TOP OF BOX