

Western Operations

1252 Quarry Lane  
P.O. Box 9019  
Pleasanton, CA 94566  
(415) 426-2600  
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91 MAR 15 AM 10:50

**Clayton**  
ENVIRONMENTAL  
CONSULTANTS

March 5, 1991

Clayton Project No. 28947.00

Mr. Bruce Qvale  
VALLEY NISSAN/DODGE  
6015 Scarlett Court  
Dublin, California 94568

Dear Mr. Qvale:

Clayton Environmental Consultants, Inc. is pleased to submit the attached progress report for the activities accomplished to date at your facilities at 5787 Scarlett Court in Dublin, California.

We appreciate the opportunity to provide this service to you. If you have any questions, please call me or Mr. Dariush Dastmalchi at (415) 426-2600.

2609 (DIRECT)

Sincerely,



Alan D. Gibbs, R.G.  
Supervisor, Geology  
Western Operations

ADG/dd  
Attachments

cc: Gil Wistar, Alameda County Department of Environmental Health  
Lester Feldman, Regional Water Quality Control Board

28947-2.rep

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Progress Report  
for  
Valley Nissan/Dodge  
at  
5787 Scarlett Court  
Dublin, California

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## 1.0 INTRODUCTION

Clayton Environmental Consultants, Inc. was retained by Valley Nissan/Dodge to implement the tasks described in the work plan submitted to and approved by the Alameda County Department of Environmental Health (ACDEH) on June 8, 1990. The subject facility is operated by Valley Nissan/Dodge and is located at 5787 Scarlett Court in Dublin, California (Figure 1). This report summarizes the activities performed to date.

## 2.0 IN-PROGRESS OR COMPLETED ACTIVITIES

The following subsections describe the progress or completion of the tasks described in the work plan.

### 2.1 SOIL REMEDIATION

On August 7, 1990, Decon Environmental Services, under subcontract to Clayton, commenced excavation of contaminated soil as outlined in Figure 2. Monitoring wells MW-1 and MW-2 were destroyed after obtaining destruction permits from Alameda County Flood Control District, Zone 7. A total of about 560 cubic yards of soil (before expansion) were excavated.

Approximately 300 cubic yards of soil (includes expansion) was spread on the ground in a 1 foot-thick layer for aeration. Aerated soil was turned over and mixed twice before sampling. A total of six soil samples were collected from this aeration pile to verify that contaminant concentrations were within ACDEH acceptable levels. The analytical results for these and other samples collected from the excavation area were presented to ACDEH on October 11, 1990. With ACDEH's approval, the treated soil was returned to the excavation pit (Appendix A).

The remaining soil (approximately 450 cubic yards) was then spread for aeration and turned over and mixed a number of times before sampling. Sixteen soil samples (one sample/28 cubic yards) were collected from this pile (Figure 2).

We removed the top 3 to 4 inches of soil before collecting samples of the aerating soil. A clean brass tube was driven 6 inches into the soil to collect each sample.

Brass tubes were covered with aluminum foil and plastic end caps, and were wrapped with tape to seal the samples. The samples were immediately placed into an iced cooler and transported to Clayton's state-certified laboratory in Pleasanton, California. These samples were analyzed for total petroleum hydrocarbons as gasoline (TPH-G) and benzene, toluene, ethylbenzene, and xylenes (BTEX). Laboratory analysis revealed a TPH-G concentration of 18 milligrams per kilogram (mg/kg) in soil sample TS-5-219 and 14 mg/kg in soil sample TS-13-219. Table 1 is a summary of analytical results for the samples collected from aerating soil.

## 2.2 MONITORING WELL SAMPLING


Clayton collected groundwater samples from monitoring wells MW-3, MW-4, and MW-5 on January 24, 1991. These samples were collected according to the guidelines established by Regional Water Quality Control Board (RWQCB). The water samples were analyzed for TPH-G and BTEX (Appendix B) Appendix C provides details of the groundwater sampling procedures followed by Clayton.

The groundwater sample collected from MW-5 contained a TPH-G concentration of 80 micrograms per liter ( $\mu\text{g/l}$ ). Laboratory results are summarized in Table 2.


## 3.0 PLANNED ACTIVITIES

To complete work at the site, Clayton must return the remaining treated soil to the excavation area. It will be necessary to obtain ACDEH approval for this operation. With Valley Nissan/Dodge's authorization, Clayton will submit this report to ACDEH for approval of the backfilling operation.

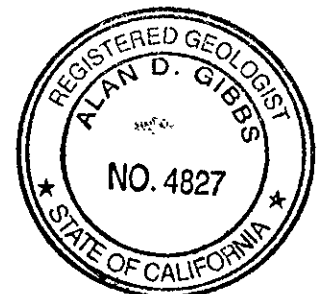
This report prepared by:

  
\_\_\_\_\_  
Dariush Dastmalchi  
Geologist

This report reviewed by:

  
\_\_\_\_\_  
Alan D. Gibbs, R.G.  
Supervisor, Geology

March 5, 1991

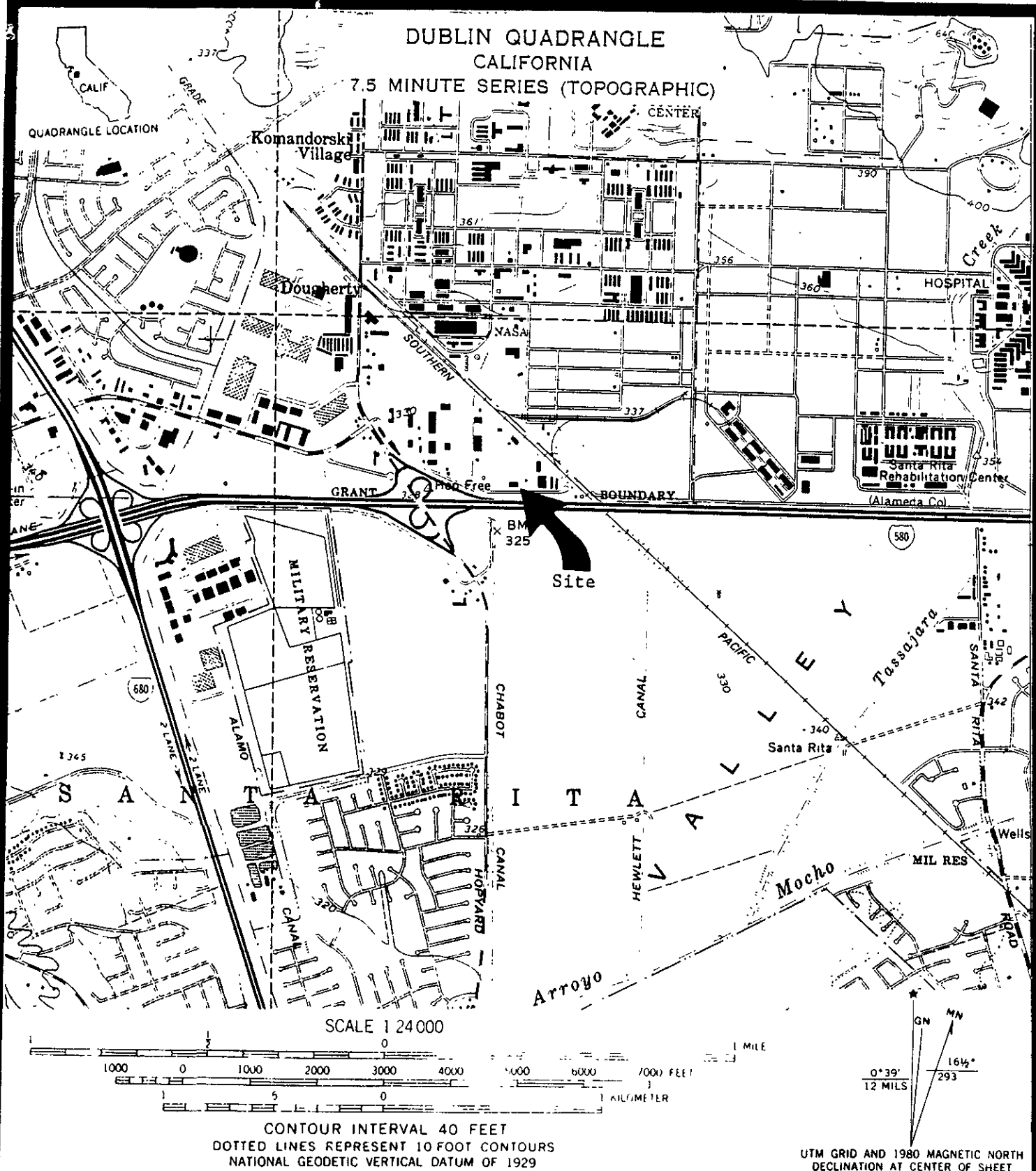


## FIGURES

DUBLIN QUADRANGLE

CALIFORNIA

7.5 MINUTE SERIES (TOPOGRAPHIC)



SCALE 1 24 000

CONTOUR INTERVAL 40 FEET  
 DOTTED LINES REPRESENT 10 FOOT CONTOURS  
 NATIONAL GEODETIC VERTICAL DATUM OF 1929

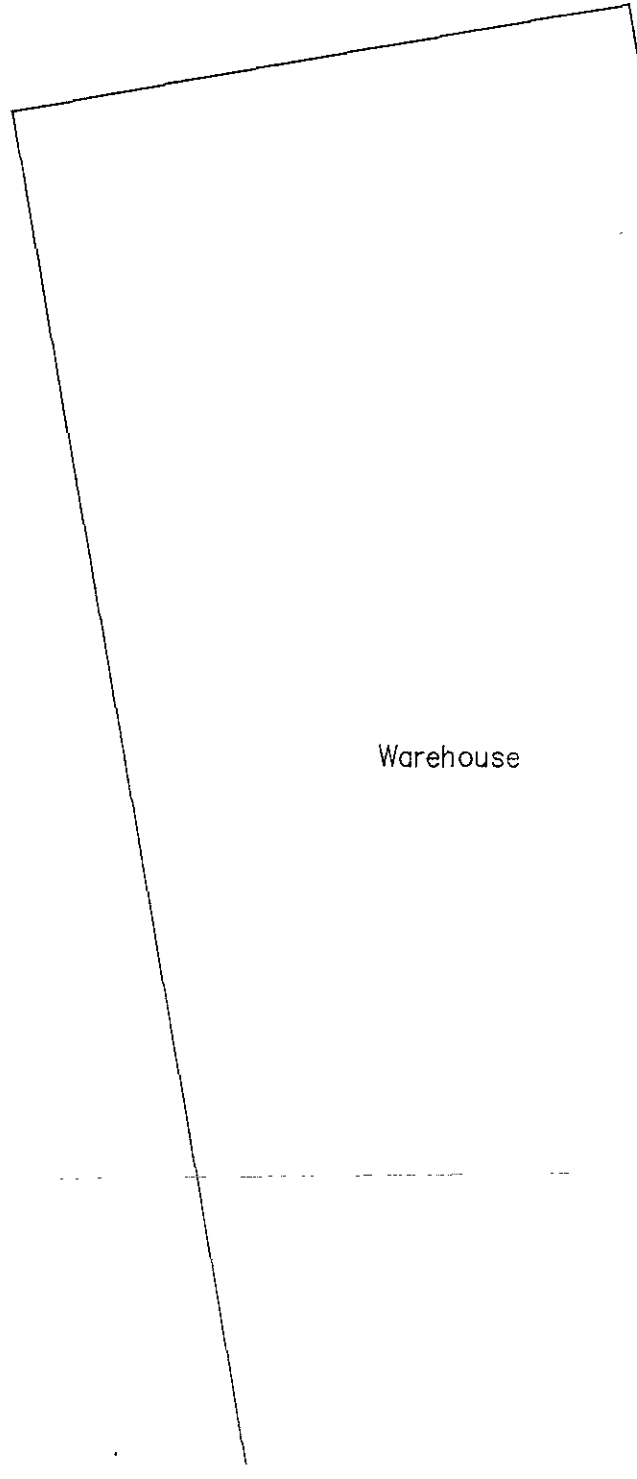
UTM GRID AND 1980 MAGNETIC NORTH  
 DECLINATION AT CENTER OF SHEET

**Clayton Environmental Consultants, Inc.**

**Figure**

Site Location Map  
 Valley Nissan/Volvo  
 Dublin, California

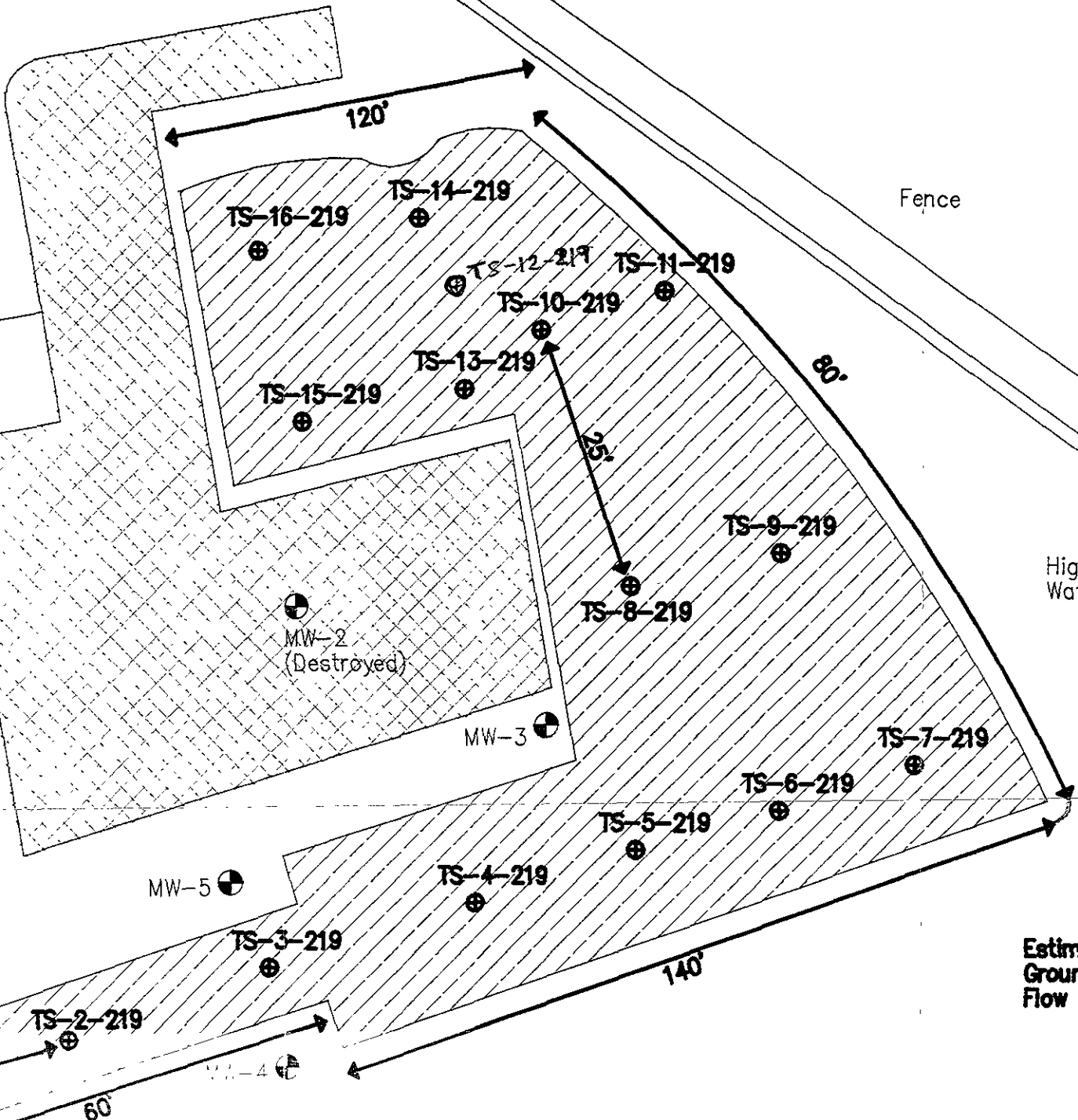
**1**



MW-1  
(Destroyed)

Concrete

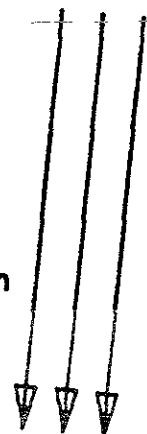
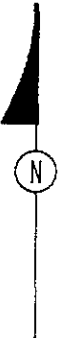
Warehouse



Fence

High Pressure  
Water Line

Estimated  
Groundwater  
Flow Direction



LEGEND

- Monitoring Well Locations
- Sampling Locations
- Excavation Area
- Aeration Soil

Site Plan  
by Gary W. Nissen  
5787 Seacrest Court  
Dublin, California

Clayton Project No. 28947-00

Figure  
2

**Clayton**  
ENVIRONMENTAL  
CONSULTANTS

Not to Scale

28947-01-16

## TABLES

Table 1

Soil Sample Analyses  
Aeration Pile

All concentrations in milligrams per kilogram (mg/kg)

Sample No.	Date Sampled	TPH-G	Benzene	Toluene	Xylene	Ethyl-benzene
TS-1-219	2/19/91	1.6	ND*	0.015	0.014	0.008
TS-2-219	2/19/91	ND	ND	ND	ND	ND
TS-3-219	2/19/91	ND	ND	ND	ND	ND
TS-4-219	2/19/91	0.7	ND	0.007	ND	ND
TS-5-219	2/19/91	18	ND	0.07	0.21	0.08
TS-6-219	2/19/91	ND	ND	0.031	ND	ND
TS-7-219	2/19/91	3.9	ND	0.039	0.016	0.015
TS-8-219	2/19/91	ND	ND	0.055	0.011	ND
TS-9-219	2/19/91	ND	ND	0.037	ND	ND
TS-10-219	2/19/91	ND	ND	0.010	ND	ND
TS-11-219	2/19/91	ND	ND	0.015	ND	ND
TS-12-219	2/19/91	0.8	0.007	0.016	0.005	0.005
TS-13-219	2/19/91	14	ND	0.05	0.07	0.05
TS-14-219	2/19/91	2.9	ND	0.3	0.018	0.008
TS-15-219	2/19/91	1.9	ND	0.031	0.012	0.01
TS-16-219	2/19/91	0.3	ND	0.071	0.008	ND

\* ND = Not Detected at or above detection limits

*one soil sample / 20 cy  
≈ 450 cy*



Table 2

Groundwater Sample Analyses

All concentrations in micrograms per liter ( $\mu\text{g/L}$ )

Sample No.	Date Sampled	TPH-G	Benzene	Toluene	Xylene	Ethylbenzene
MW-3	1/24/91	ND*	ND	ND	ND	ND
MW-4	1/24/91	ND	ND	ND	ND	ND
MW-5	1/24/91	80	ND	ND	ND	ND
Regulatory Agency's Guidelines		N/A**	1.0	100	1750	680

\* ND = Not Detected at or above detection limits

\*\* N/A = Not Available

**APPENDIX A**

**ALAMEDA COUNTY DEPARTMENT OF  
ENVIRONMENTAL HEALTH LETTER**

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



DEPARTMENT OF ENVIRONMENTAL HEALTH  
Hazardous Materials Program  
80 Swan Way, Rm. 200  
Oakland, CA 94621  
(415)

October 25, 1990

Mr. Chris Regalia  
Valley Nissan  
6015 Scarlett Ct.  
Dublin, CA 94568

Dear Mr. Regalia:

The Alameda County Department of Environmental Health, Hazardous Materials Division has reviewed the interim report prepared by Clayton Environmental Consultants on the remediation occurring at 5787 Scarlett Ct. Clayton has sought our approval on returning soil to the excavation pit, to make room for aeration of the remaining contaminated soil.

Based on the soil sampling strategy, the analytical results submitted, as well as on a conversation with Mr. Dastmalchi at Clayton, we have no objection to the aerated soil's being returned to the pit. This does not, of course, include soil that has been excavated but not yet aerated.

If you have any questions about this letter, please contact me at 271-4320.

Sincerely,

Gil Wistar  
Hazardous Materials Specialist

cc: Dariush Dastmalchi, Clayton Environmental (1252 Quarry Ln.,  
Pleasanton, CA 94566)  
Tom Hathcox, Dougherty Regional FD  
Lester Feldman, RWQCB  
Rafat A. Shahid, Asst. Agency Director, Environmental Health  
files

CS

**APPENDIX B**

**LABORATORY RESULTS AND  
CHAIN-OF-CUSTODY**

Western Operations

1252 Quarry Lane  
P.O. Box 9019  
Pleasanton, CA 94566  
(415) 426-2600  
Fax (415) 426-0106

**Clayton**  
ENVIRONMENTAL  
CONSULTANTS

February 27, 1991

Mr. Dariush Dastmalchi  
CLAYTON ENVIRONMENTAL CONSULTANTS, INC.  
1252 Quarry Lane  
Pleasanton, CA. 94566

Client Ref. 28947.00  
Clayton Project No. 91021.67

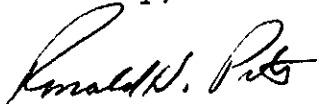
Dear Mr. Dastmalchi:

Attached is our analytical laboratory report for the samples received on February 19, 1991. A copy of the Chain-of-Custody form acknowledging receipt of these samples is attached.

Please note that any unused portion of the samples will be disposed of 30 days after the date of this report, unless you have requested otherwise.

We appreciate the opportunity to be of assistance to you. If you have any questions, please contact Maryann Gambino, Client Services Supervisor, at (415) 426-2657.

Sincerely,



Ronald H. Peters, CIH  
Director, Laboratory Services  
Western Operations

RHP/dt  
Attachments

Results of Analysis  
 for  
 Valley Nissan/Dodge Phase III

Client Reference: 28947.00  
 Clayton Project No. 91021.67

Sample Identification:	TS-1-219	Date Sampled:	02/19/91
Lab Number:	9102167-01A	Date Received:	02/19/91
Sample Matrix/Media:	SOIL	Date Prepared:	02/21/91
Preparation Method:	EPA 5030	Date Analyzed:	02/22/91
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.005
Toluene	108-88-3	0.015	0.005
Ethylbenzene	100-41-4	0.008	0.005
Xylenes	1330-20-7	0.014	0.005
Gasoline	-----	1.6	0.3

ND Not detected at or above limit of detection  
 -- Information not available or not applicable

Results of Analysis  
for  
Valley Nissan/Dodge Phase III

Client Reference: 28947.00  
Clayton Project No. 91021.67

Sample Identification:	TS-2-219	Date Sampled:	02/19/91
Lab Number:	9102167-02A	Date Received:	02/19/91
Sample Matrix/Media:	SOIL	Date Prepared:	02/21/91
Preparation Method:	EPA 5030	Date Analyzed:	02/22/91
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.005
Toluene	108-88-3	ND	0.005
Ethylbenzene	100-41-4	ND	0.005
Xylenes	1330-20-7	ND	0.005
Gasoline	-----	ND	0.3

ND Not detected at or above limit of detection  
-- Information not available or not applicable

Results of Analysis  
 for  
 Valley Nissan/Dodge Phase III

Client Reference: 28947.00  
 Clayton Project No. 91021.67

Sample Identification:	TS-3-219	Date Sampled:	02/19/91
Lab Number:	9102167-03A	Date Received:	02/19/91
Sample Matrix/Media:	SOIL	Date Prepared:	02/21/91
Preparation Method:	EPA 5030	Date Analyzed:	02/22/91
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.005
Toluene	108-88-3	ND	0.005
Ethylbenzene	100-41-4	ND	0.005
Xylenes	1330-20-7	ND	0.005
Gasoline	-----	ND	0.3

ND Not detected at or above limit of detection  
 -- Information not available or not applicable



Results of Analysis  
for  
Valley Nissan/Dodge Phase III

Client Reference: 28947.00  
Clayton Project No. 91021.67

Sample Identification:	TS-4-219	Date Sampled:	02/19/91
Lab Number:	9102167-04A	Date Received:	02/19/91
Sample Matrix/Media:	SOIL	Date Prepared:	02/21/91
Preparation Method:	EPA 5030	Date Analyzed:	02/22/91
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.005
Toluene	108-88-3	0.007	0.005
Ethylbenzene	100-41-4	ND	0.005
Xylenes	1330-20-7	ND	0.005
Gasoline	-----	0.7	0.3

ND Not detected at or above limit of detection  
-- Information not available or not applicable

Results of Analysis  
for  
Valley Nissan/Dodge Phase III

Client Reference: 28947.00  
Clayton Project No. 91021.67

Sample Identification:	TS-5-219	Date Sampled:	02/19/91
Lab Number:	9102167-05A	Date Received:	02/19/91
Sample Matrix/Media:	SOIL	Date Prepared:	02/21/91
Preparation Method:	EPA 5030	Date Analyzed:	02/23/91
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.03
Toluene	108-88-3	0.07	0.03
Ethylbenzene	100-41-4	0.08	0.03
Xylenes	1330-20-7	0.21	0.03
Gasoline	-----	18	2

ND Not detected at or above limit of detection  
-- Information not available or not applicable

Results of Analysis  
 for  
 Valley Nissan/Dodge Phase III

Client Reference: 28947.00  
 Clayton Project No. 91021.67

Sample Identification:	TS-6-219	Date Sampled:	02/19/91
Lab Number:	9102167-06A	Date Received:	02/19/91
Sample Matrix/Media:	SOIL	Date Prepared:	02/21/91
Preparation Method:	EPA 5030	Date Analyzed:	02/23/91
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.005
Toluene	108-88-3	0.031	0.005
Ethylbenzene	100-41-4	ND	0.005
Xylenes	1330-20-7	ND	0.005
Gasoline	-----	ND	0.3

ND Not detected at or above limit of detection  
 -- Information not available or not applicable

Results of Analysis  
 for  
 Valley Nissan/Dodge Phase III

Client Reference: 28947.00  
 Clayton Project No. 91021.67

Sample Identification:	TS-7-219	Date Sampled:	02/19/91
Lab Number:	9102167-07A	Date Received:	02/19/91
Sample Matrix/Media:	SOIL	Date Prepared:	02/21/91
Preparation Method:	EPA 5030	Date Analyzed:	02/23/91
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.005
Toluene	108-88-3	0.039	0.005
Ethylbenzene	100-41-4	0.015	0.005
Xylenes	1330-20-7	0.016	0.005
Gasoline	-----	3.9	0.3

ND Not detected at or above limit of detection  
 -- Information not available or not applicable

Results of Analysis  
for  
Valley Nissan/Dodge Phase III

Client Reference: 28947.00  
Clayton Project No. 91021.67

Sample Identification:	TS-8-219	Date Sampled:	02/19/91
Lab Number:	9102167-08A	Date Received:	02/19/91
Sample Matrix/Media:	SOIL	Date Prepared:	02/21/91
Preparation Method:	EPA 5030	Date Analyzed:	02/23/91
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.005
Toluene	108-88-3	0.055	0.005
Ethylbenzene	100-41-4	ND	0.005
Xylenes	1330-20-7	0.011	0.005
Gasoline	-----	ND	0.3

ND Not detected at or above limit of detection  
-- Information not available or not applicable

Results of Analysis  
for  
Valley Nissan/Dodge Phase III

Client Reference: 28947.00  
Clayton Project No. 91021.67

Sample Identification:	TS-9-219	Date Sampled:	02/19/91
Lab Number:	9102167-09A	Date Received:	02/19/91
Sample Matrix/Media:	SOIL	Date Prepared:	02/21/91
Preparation Method:	EPA 5030	Date Analyzed:	02/23/91
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.005
Toluene	108-88-3	0.037	0.005
Ethylbenzene	100-41-4	ND	0.005
Xylenes	1330-20-7	ND	0.005
Gasoline	-----	ND	0.3

ND Not detected at or above limit of detection  
-- Information not available or not applicable

Results of Analysis  
 for  
 Valley Nissan/Dodge Phase III

Client Reference: 28947.00  
 Clayton Project No. 91021.67

Sample Identification:	TS-10-219	Date Sampled:	02/19/91
Lab Number:	9102167-10A	Date Received:	02/19/91
Sample Matrix/Media:	SOIL	Date Prepared:	02/21/91
Preparation Method:	EPA 5030	Date Analyzed:	02/23/91
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.005
Toluene	108-88-3	0.010	0.005
Ethylbenzene	100-41-4	ND	0.005
Xylenes	1330-20-7	ND	0.005
Gasoline	-----	ND	0.3

ND Not detected at or above limit of detection  
 -- Information not available or not applicable

Results of Analysis  
for  
Valley Nissan/Dodge Phase III

Client Reference: 28947.00  
Clayton Project No. 91021.67

Sample Identification:	TS-11-219	Date Sampled:	02/19/91
Lab Number:	9102167-11A	Date Received:	02/19/91
Sample Matrix/Media:	SOIL	Date Prepared:	02/21/91
Preparation Method:	EPA 5030	Date Analyzed:	02/23/91
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.005
Toluene	108-88-3	0.015	0.005
Ethylbenzene	100-41-4	ND	0.005
Xylenes	1330-20-7	ND	0.005
Gasoline	-----	ND	0.3

ND Not detected at or above limit of detection  
-- Information not available or not applicable



Results of Analysis  
for  
Valley Nissan/Dodge Phase III

Client Reference: 28947.00  
Clayton Project No. 91021.67

Sample Identification:	TS-12-219	Date Sampled:	02/19/91
Lab Number:	9102167-12A	Date Received:	02/19/91
Sample Matrix/Media:	SOIL	Date Prepared:	02/21/91
Preparation Method:	EPA 5030	Date Analyzed:	02/23/91
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	0.007	0.005
Toluene	108-88-3	0.016	0.005
Ethylbenzene	100-41-4	0.005	0.005
Xylenes	1330-20-7	0.005	0.005
Gasoline	-----	0.8	0.3

ND Not detected at or above limit of detection  
-- Information not available or not applicable

Results of Analysis  
for  
Valley Nissan/Dodge Phase III

Client Reference: 28947.00  
Clayton Project No. 91021.67

Sample Identification:	TS-13-219	Date Sampled:	02/19/91
Lab Number:	9102167-13A	Date Received:	02/19/91
Sample Matrix/Media:	SOIL	Date Prepared:	02/21/91
Preparation Method:	EPA 5030	Date Analyzed:	02/23/91
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.03
Toluene	108-88-3	0.05	0.03
Ethylbenzene	100-41-4	0.05	0.03
Xylenes	1330-20-7	0.07	0.03
Gasoline	-----	14	2

ND Not detected at or above limit of detection  
-- Information not available or not applicable

Results of Analysis  
for  
Valley Nissan/Dodge Phase III

Client Reference: 28947.00  
Clayton Project No. 91021.67

Sample Identification:	TS-14-219	Date Sampled:	02/19/91
Lab Number:	9102167-14A	Date Received:	02/19/91
Sample Matrix/Media:	SOIL	Date Prepared:	02/21/91
Preparation Method:	EPA 5030	Date Analyzed:	02/23/91
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.005
Toluene	108-88-3	0.3	0.005
Ethylbenzene	100-41-4	0.008	0.005
Xylenes	1330-20-7	0.018	0.005
Gasoline	-----	2.9	0.3

ND Not detected at or above limit of detection  
-- Information not available or not applicable

Results of Analysis  
for  
Valley Nissan/Dodge Phase III

Client Reference: 28947.00  
Clayton Project No. 91021.67

Sample Identification:	TS-15-219	Date Sampled:	02/19/91
Lab Number:	9102167-15A	Date Received:	02/19/91
Sample Matrix/Media:	SOIL	Date Prepared:	02/21/91
Preparation Method:	EPA 5030	Date Analyzed:	02/23/91
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.005
Toluene	108-88-3	0.031	0.005
Ethylbenzene	100-41-4	0.010	0.005
Xylenes	1330-20-7	0.012	0.005
Gasoline	-----	1.9	0.3

ND Not detected at or above limit of detection  
-- Information not available or not applicable

Results of Analysis  
for  
Valley Nissan/Dodge Phase III

Client Reference: 28947.00  
Clayton Project No. 91021.67

Sample Identification:	TS-16-219	Date Sampled:	02/19/91
Lab Number:	9102167-16A	Date Received:	02/19/91
Sample Matrix/Media:	SOIL	Date Prepared:	02/21/91
Preparation Method:	EPA 5030	Date Analyzed:	02/22/91
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.005
Toluene	108-88-3	0.071	0.005
Ethylbenzene	100-41-4	ND	0.005
Xylenes	1330-20-7	0.008	0.005
Gasoline	-----	0.3	0.3

ND Not detected at or above limit of detection  
-- Information not available or not applicable

Results of Analysis  
for  
Valley Nissan/Dodge Phase III

Client Reference: 28947.00  
Clayton Project No. 91021.67

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9102167-17A	Date Received:	--
Sample Matrix/Media:	SOIL	Date Prepared:	02/21/91
Preparation Method:	EPA 5030	Date Analyzed:	02/23/91
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.005
Toluene	108-88-3	ND	0.005
Ethylbenzene	100-41-4	ND	0.005
Xylenes	1330-20-7	ND	0.005
Gasoline	-----	ND	0.3

ND Not detected at or above limit of detection  
-- Information not available or not applicable

# Clayton

ENVIRONMENTAL  
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## REQUEST FOR LABORATORY ANALYTICAL SERVICES

For Clayton Use Only Page 1 of 2

Project No. 28947.00

Batch No. 9102167

Client No. \_\_\_\_\_

Date Logged In 2/20/91 By TS

REPORT RESULTS TO	Name <u>Darwin Dastmalchi</u>	Title _____		Purchase Order No. _____		Client Job No. _____																	
	Company _____	Dept. _____		Name <u>Valley Mason Phase II</u>		Dept. _____																	
	Mailing Address _____	_____		Company _____		Dept. _____																	
	City, State, Zip _____	_____		Address _____		City, State, Zip _____																	
Telephone No. _____	Telefax No. _____		SEND INVOICE TO		City, State, Zip _____		_____																
Date Results Required: <u>3/1/91</u>	Rush Charges Authorized? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Phone Results <input type="checkbox"/>	Samples are: (check if applicable)		ANALYSIS REQUESTED (Enter an 'X' in the box below to indicate request; Enter a 'P' if Preservative added. *)																		
Special Instructions: (method, limit of detection, etc.)			<input type="checkbox"/> Drinking Water		<table border="1"> <tr> <td colspan="7" style="text-align: center;">TPH-G/BTEX</td> <td>FOR LAB USE ONLY</td> </tr> <tr> <td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td> </tr> </table>			TPH-G/BTEX							FOR LAB USE ONLY	1	2	3	4	5	6	7	8
TPH-G/BTEX								FOR LAB USE ONLY															
1	2	3	4	5	6	7	8																
* Explanation of Preservative:			<input type="checkbox"/> Collected in the State of New York																				
CLIENT SAMPLE IDENTIFICATION		DATE SAMPLED	MATRIX/MEDIA	AIR VOLUME (specify units)	Number of Containers																		
<u>TS-1-219</u>		<u>2/19/91</u>	<u>Soil</u>	<u>B-core</u>	<u>1</u>	<input checked="" type="checkbox"/>	<u>01A</u>																
<u>2-219</u>		↓	↓	↓	<u>1</u>	<input checked="" type="checkbox"/>	<u>02</u>																
<u>3-219</u>		↓	↓	↓	<u>1</u>	<input checked="" type="checkbox"/>	<u>03</u>																
<u>4-219</u>		↓	↓	↓	<u>1</u>	<input checked="" type="checkbox"/>	<u>04</u>																
<u>5-219</u>		↓	↓	↓	<u>1</u>	<input checked="" type="checkbox"/>	<u>05</u>																
<u>6-219</u>		↓	↓	↓	<u>1</u>	<input checked="" type="checkbox"/>	<u>06</u>																
<u>7-219</u>		↓	↓	↓	<u>1</u>	<input checked="" type="checkbox"/>	<u>07</u>																
<u>8-219</u>		↓	↓	↓	<u>1</u>	<input checked="" type="checkbox"/>	<u>08</u>																
<u>9-219</u>		↓	↓	↓	<u>1</u>	<input checked="" type="checkbox"/>	<u>09</u>																
<u>10-219</u>		↓	↓	↓	<u>1</u>	<input checked="" type="checkbox"/>	<u>10V</u>																
CHAIN OF CUSTODY	Relinquished by: <u>Darwin Dastmalchi</u>	Date/Time: <u>2/19/91/3:00</u>	Received by: _____		Date/Time: _____																		
	Relinquished by: _____	Date/Time: _____	Received at Lab by: <u>Rebecca Z. Charville</u>		Date/Time: <u>2/19/91 3:00</u>																		
	Method of Shipment: _____		Sample Condition Upon Receipt: <input type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain)																				
Authorized by: _____ Date: _____ (Client Signature <u>Must</u> Accompany Request)																							

Please return completed form and samples to one of the Clayton Environmental Consultants, Inc. labs listed below:

22345 Roethel Drive  
Novi, MI 48050  
(313) 344-1770

Raritan Center  
160 Fieldcrest Ave.  
Edison, NJ 08837  
(201) 225-6040

400 Chastain Center Blvd., N.W.  
Suite 490  
Kennesaw, GA 30144  
(404) 499-7500

1252 Quarry Lane  
Pleasanton, CA 94566  
(415) 426-2600

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PINK - Client Copy

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CONSULTANTS

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## REQUEST FOR LABORATORY ANALYTICAL SERVICES

For Clayton Use Only	Page <u>2</u> of <u>2</u>
Project No. <u>28947.00</u>	
Batch No. <u>9102167</u>	
Client No.	
Date Logged In <u>2/20/91</u>	By <u>TS</u>

REPORT RESULTS TO	Name <u>Dorothy Pastoralchi</u>	Title	Purchase Order No.		Client Job No.																																																																													
	Company	Dept.	Name <u>Valley Nissan Phase III</u>	Company Dept.																																																																														
	Mailing Address	Address																																																																																
	City, State, Zip	City, State, Zip																																																																																
	Telephone No.	Telefax No.	SEND INVOICE TO																																																																															
Date Results Required: <u>3/1/91</u>	Rush Charges Authorized? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Phone Results <input type="checkbox"/>	Samples are: (check if applicable)		ANALYSIS REQUESTED (Enter an 'X' in the box below to indicate request; Enter a 'P' if Preservative added. *)																																																																													
Special Instructions: (method, limit of detection, etc.)			<input type="checkbox"/> Drinking Water <input type="checkbox"/> Collected in the State of New York		<table border="1"> <tr> <td colspan="10" style="text-align: center;">/PHG/BTXE</td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>		/PHG/BTXE																																																																											
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CLIENT SAMPLE IDENTIFICATION		DATE SAMPLED	MATRIX/MEDIA	AIR VOLUME (specify units)	Number of Containers					FOR LAB USE ONLY																																																																								
<u>TS-11-219</u>			<u>Soil</u>	<u>B-Core</u>	<u>1</u>						<u>11A</u>																																																																							
<u>12-219</u>			↓	↓	↓	✓					<u>12</u>																																																																							
<u>13-219</u>			↓	↓	↓	✓					<u>13</u>																																																																							
<u>14-219</u>			↓	↓	↓	✓					<u>14</u>																																																																							
<u>15-219</u>			↓	↓	↓	✓					<u>15</u>																																																																							
<u>16-219</u>			↓	↓	↓	✓					<u>16</u>																																																																							
CHAIN OF CUSTODY		Relinquished by: <u>Dorothy Pastoralchi</u>	Date/Time: <u>2/19/91/3:00</u>	Received by:				Date/Time:																																																																										
		Relinquished by:	Date/Time:	Received at Lab by: <u>Rebecca Z. Chavira</u>				Date/Time: <u>2/18/91 2:00</u>																																																																										
		Method of Shipment:		Sample Condition Upon Receipt: <input type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain)																																																																														
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(Client Signature Must Accompany Request)																																																																																		

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Kennesaw, GA 30144  
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1252 Quarry Lane  
Pleasanton, CA 94566  
(415) 426-2600

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Western Operations

1252 Quarry Lane  
Pleasanton, CA 94566  
(415) 426-2600  
Fax (415) 426-0106

**Clayton**  
ENVIRONMENTAL  
CONSULTANTS

January 31, 1991

Mr. Dariush Dastmalchi  
CLAYTON ENVIRONMENTAL CONSULTANTS, INC.  
1252 Quarry Lane  
Pleasanton, CA. 94566

Client Ref. 28947.00  
Clayton Project No. 91011.93

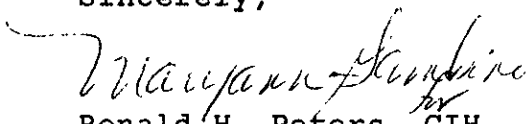
Dear Mr. Dastmalchi:

Attached is our analytical laboratory report for the samples received on January 24, 1991. A copy of the Chain-of-Custody form acknowledging receipt of these samples is attached.

Please note that any unused portion of the samples will be disposed of 30 days after the date of this report, unless you have requested otherwise.

We appreciate the opportunity to be of assistance to you. If you have any questions, please contact Maryann Gambino, Client Services Supervisor, at (415) 426-2657.

Sincerely,

  
Ronald H. Peters, CIH  
Director, Laboratory Services  
Western Operations

RHP/dt  
Attachments

Results of Analysis  
for  
Valley Nissan

Client Reference: 28947.00  
Clayton Project No. 91011.93

Sample Identification:	MW-3-124	Date Sampled:	01/24/91
Lab Number:	9101193-01A	Date Received:	01/24/91
Sample Matrix/Media:	WATER	Date Prepared:	01/30/91
Preparation Method:	EPA 5030	Date Analyzed:	01/30/91
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.4
Toluene	108-88-3	ND	0.3
Ethylbenzene	100-41-4	ND	0.3
Xylenes	1330-20-7	ND	0.4
Gasoline	-----	ND	50

ND Not detected at or above limit of detection  
-- Information not available or not applicable

Results of Analysis  
 for  
 Valley Nissan

Client Reference: 28947.00  
 Clayton Project No. 91011.93

Sample Identification:	MW-4-124	Date Sampled:	01/24/91
Lab Number:	9101193-02A	Date Received:	01/24/91
Sample Matrix/Media:	WATER	Date Prepared:	01/30/91
Preparation Method:	EPA 5030	Date Analyzed:	01/30/91
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.4
Toluene	108-88-3	ND	0.3
Ethylbenzene	100-41-4	ND	0.3
Xylenes	1330-20-7	ND	0.4
Gasoline	-----	ND	50

ND Not detected at or above limit of detection  
 -- Information not available or not applicable

Results of Analysis  
 for  
 Valley Nissan

Client Reference: 28947.00  
 Clayton Project No. 91011.93

Sample Identification:	MW-5-124	Date Sampled:	01/24/91
Lab Number:	9101193-03A	Date Received:	01/24/91
Sample Matrix/Media:	WATER	Date Prepared:	01/30/91
Preparation Method:	EPA 5030	Date Analyzed:	01/30/91
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.4
Toluene	108-88-3	ND	0.3
Ethylbenzene	100-41-4	ND	0.3
Xylenes	1330-20-7	ND	0.4
Gasoline	-----	80 *	50

ND Not detected at or above limit of detection  
 -- Information not available or not applicable  
 \* Unidentified hydrocarbons quantitated as gasoline.

Results of Analysis  
for  
Valley Nissan

Client Reference: 28947.00  
Clayton Project No. 91011.93

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9101193-05A	Date Received:	--
Sample Matrix/Media:	WATER	Date Prepared:	01/30/91
Preparation Method:	EPA 5030	Date Analyzed:	01/30/91
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.4
Toluene	108-88-3	ND	0.3
Ethylbenzene	100-41-4	ND	0.3
Xylenes	1330-20-7	ND	0.4
Gasoline	-----	ND	50

ND Not detected at or above limit of detection  
-- Information not available or not applicable



**APPENDIX C**

**CLAYTON GROUNDWATER MONITORING  
WELL SAMPLING PROTOCOLS**

## CLAYTON GROUNDWATER MONITORING WELL

### SAMPLING PROTOCOLS

To collect a representative sample of the groundwater, stagnant water within the well casing and filter material must be purged and fresh aquifer water allowed to replace it. The water is purged from the well by pumping or bailing at least three well volumes. Well volumes are calculated by measuring depth to groundwater to the nearest 0.01 foot upon arrival at the well before any purging has begun.

Groundwater samples are collected only after purging has been of sufficient duration for pH, temperature, and electrical conductivity to stabilize. When purging low-yield wells, the wells are purged to dryness. When the well recovers to 80% of the depth measured upon arrival, samples are collected.

Field sampling logs maintained for each well include:

- Monitoring well identification
- Static water level, before and after pumping
- Well depth
- Condition of water prior to purging (e.g., amount of free product)
- Purge rate and volume
- pH, temperature, and conductivity during purging
- Time purged
- Time of sample collection
- Sampling method
- Name of sampler
- Climatic conditions

Water samples are collected using clean teflon or disposable bailers. All equipment that contacts samples is thoroughly cleaned before arrival at the site and between sampling events.

Water is collected in clean laboratory-supplied containers, labeled, placed immediately into an ice chest pre-cooled to 4°C, and transported to Clayton's laboratory for analysis. One trip blank will be furnished in accordance with our quality assurance/quality control (QA/QC) program.

All samples are collected in such a manner so as to minimize the volatilization of a sample due to agitation and/or transfer from bailer to sample container. Samples are collected so that contaminants most sensitive to volatilization are sampled first.



Preservatives are not added to any sample, unless instructed. If requested, they are supplied by Clayton's laboratory.

All sample containers are labeled in the field. Labels contain the following information: project name, sample identification number, project number, date and time of collection, and sampler's initials.

Under no circumstances are sealed sample containers opened by anyone other than the laboratory personnel who perform the requested analyses. If it is necessary for samples or sample chests to leave the immediate control of the sampler prior to delivery to the laboratory, for example during shipment by Federal Express, a custody seal is placed on each sample container and/or sample chest to ensure that the samples have not been tampered with during transportation. The custody seal is signed by the sampler, and the date and time that the seal was placed is recorded. The elapsed time between sample collection and delivery to the laboratory never exceeds 48 hours. Water samples are not held for more than 14 days prior to analysis and are kept at 4°C at all times.

To document and trace samples from time of collection, a signed chain-of-custody record is filled out by the sampler and accompanies the samples through the laboratory analyses. The completed chain-of-custody is included with the analytical report from the laboratory.

## REFERENCES

Groundwater Monitoring Guidelines, Revised February 1990. Alameda County District Groundwater Protection Program.

Leaking Underground Fuel Tank (LUFT) Field Manual: Guidelines for Site Assessment, Cleanup, and Underground Tank Closure, May 1988. State of California LUFT Task Force.

Regional Board Staff Recommendations for Initial Evaluation and Investigation of Underground Tanks, Revised November 1989. North Coast, San Francisco Bay, and Central Valley regions of the California State Water Quality Control Board.