SIERRA
Environmental Services

April 10, 1996

Mr. Mike Golden
Division of the State Architect
400 P Street, 5th Floor
Sacramento,CA 95814

Re: Quarterly Monitoring Report
CALTRANS Hayward Maintenance Yard
21195 Center Street
Hayward,CA
SES Project #MR-904-06

Dear Mr. Golden:

This report presents the results of the quarterly ground water sampling at Service Station #801-952739, located at 21195 Center Street in Castro Valley, California (Figure 1, Appendix A). Three wells, VW-1, VW-2 and VW-3, were sampled (Figure 2, Appendix A).

On March 12, 1996, SES personnel visited the site. Water level measurements were collected in all site wells and all wells were checked for the presence of free-phase hydrocarbons. Free-phase hydrocarbons were not present in any of the site wells. Water level data are shown in Table 1 (Appendix B) and ground water elevation contours are included on Figure 2 (Appendix A).

The ground water samples were collected on March 12, 1996 in accordance with SES Standard Operating Procedure - Ground Water Sampling (Appendix C). The field water sampling forms for this event are included in Appendix E. All analyses were performed by Chromalab Environmental Services, of Pleasanton, California. Analytic results for ground water are presented in Table 2 (Appendix B). The chain of custody document and laboratory analytic reports are included in Appendix D. SES is not responsible for laboratory omissions or errors.

P.O. Box 2546 • Martinez, California 94553 • (510) 370-1280

Thank you for allowing us to provide services to DSA. Please call if you have any questions.

Sincerely,
Sierra Environmental Services

David M. Beardsley
Senior Environmental Technician

Wayne S. Akiyama R.G. R.E.A.
Senior Hydrogeologist #6009

REGISTERED GEOLOGIST
WAYNE S. AKIYAMA
No. 6009
STATE OF CALIFORNIA

DMB/WSA/db

Appendices:
A - Figures
B - Tables
C - SES Standard Operating Procedure
D - Chain of Custody Document and Laboratory Analytic Reports
E - Field Water Sampling Forms

cc: Amy Leech - Alameda County Health Care Services Agency
Mike Hilliard - Caltrans - Oakland

APPENDIX A
FIGURES

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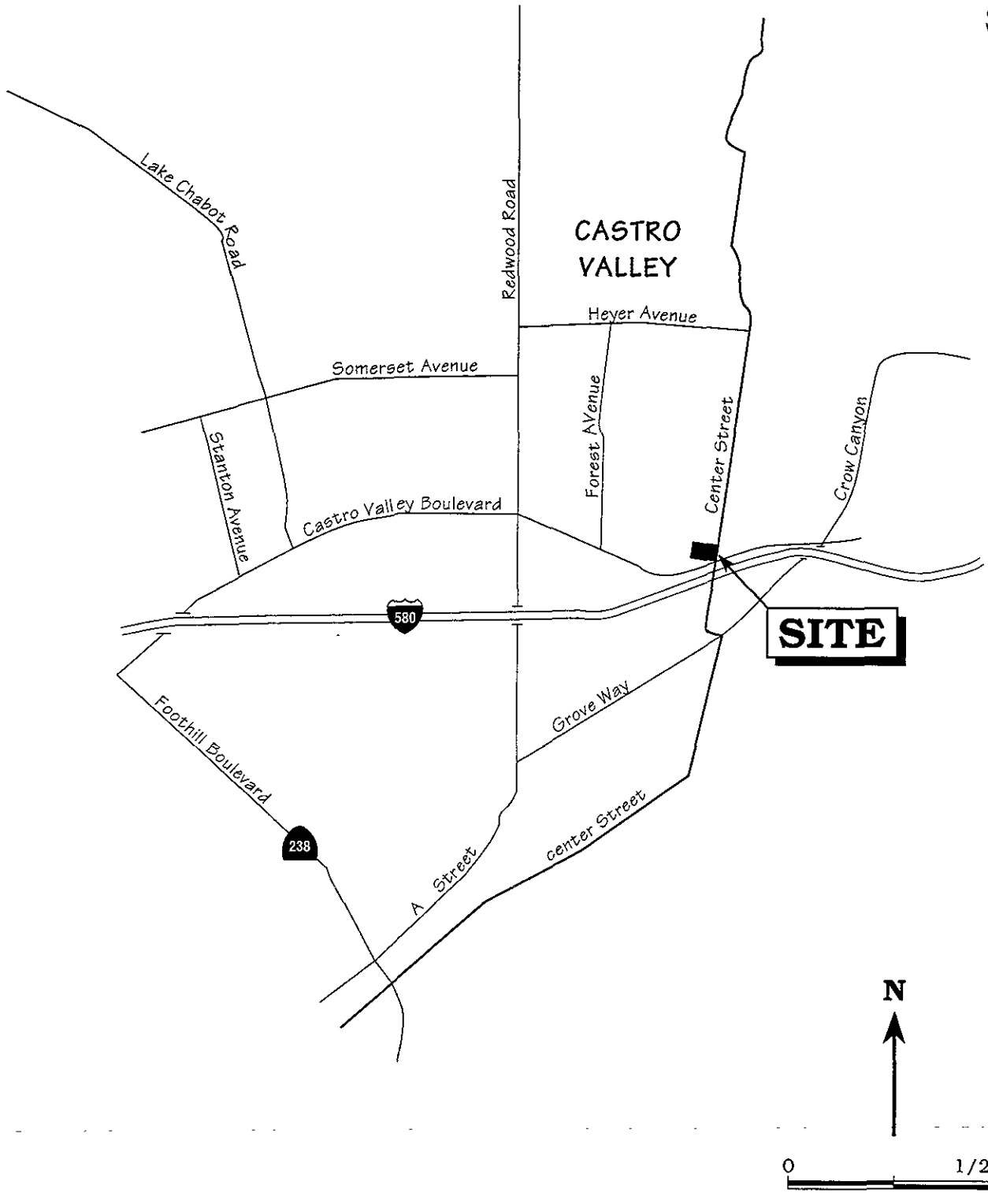

Base map ref: California State Automobile Association (AAA)

Figure 1. Site Location Map – Caltrans Maintenance Facility, 21175 Center Street, Castro Valley, California

MR-904-06 [Site Loc.] 9/22/95

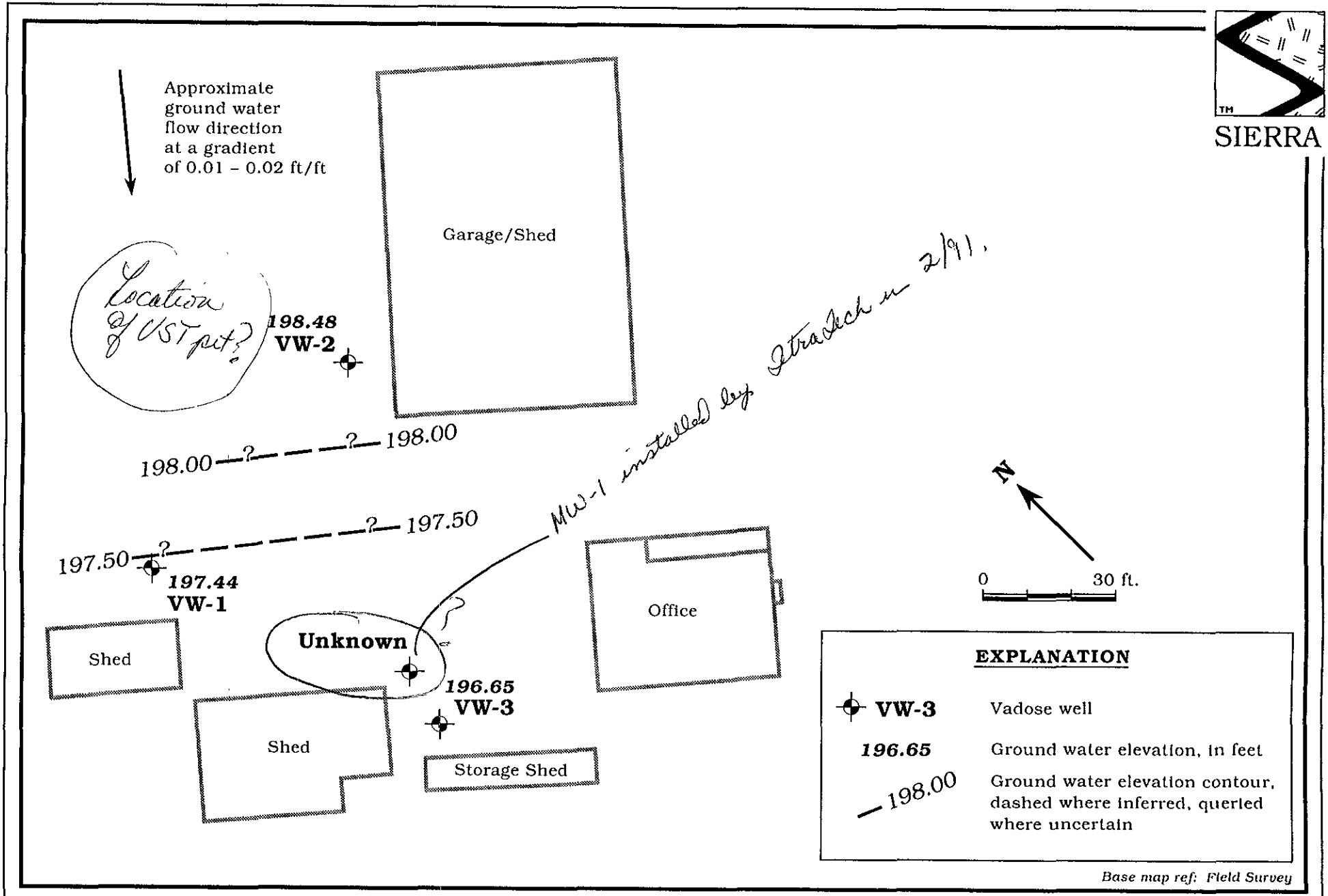

Figure 2. Monitoring Well Location and Ground Water Elevation Contour Map – March 12, 1996 – Caltrans Maintenance Facility, 21175 Center Street, Castro Valley, California

APPENDIX B
TABLES

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Table 1. Water Level Data and Well Construction Details - Caltrans Maintenance Station, 21195 Center Street, Castro Valley, California

Well ID	Date Measured	DTW (ft)	TOC (ft)	GWE (msl)	Product Thickness* (ft)	Screen Interval	Sand Pack Interval	Bentonite/Grout Interval
						<----------*feet below grade*---------->		
VW-1	6/7/95	26.07			0	---	---	---
	6/28/95	26.72			0			
			224.25[1]					
	9/15/95	28.52		195.73				
	12/18/95	31.10		193.15	0			
	3/12/96	**26.81**		**197.44**	**0**			
VW-2	6/7/95	25.78			0	---	---	---
	6/28/95	26.31			0			
			224.92[1]					
	9/15/95	28.43		196.49				
	12/18/95	31.10		193.82	0			
	3/12/96	**26.44**		**198.48**	**0**			
VW-3	6/7/95	26.76			0	---	---	---
	6/28/95	27.16			0			
			224.10[1]					
	9/15/95	28.32		195.78				
	12/18/95	29.90		194.20	0			
	3/12/96	**27.45**		**196.65**	**0**			
UNKNOWN	2/28/95	27.20			0			
			224.57[1]					

EXPLANATION:

DTW = Depth to water
TOC = Top of casing elevation
GWE = Ground water elevation
msl = Measurements referenced relative to mean sea level
--- = Not available

NOTES (continued):

[1] All top of casing elevations were surveyed by Ron Miller, Professional Engineer #15816 on July 28, 1995.

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Table 2. Analytic Results for Ground Water - Caltrans Maintenance Station, 21195 Center Street, Castro Valley, California

Well ID	Date Sampled	Analytic Method	TPPH(G)	TPH(D)	B	T	E	X
			<----------ppb---------->					
VW-1	10/28/94	8015/8020	<50	<500	<0.5	<0.5	<0.5	<0.5
	6/7/95	8015/8020	<50	<50	<0.5	<0.5	<0.5	<0.5
	9/18/95	8015/8020	<50	<50	<0.5	<0.5	<0.5	<0.5
	12/18/95	8015/8020	<50	<50	<0.5	<0.5	<0.5	<0.5
	3/12/96	**8015/8020**	**<50**	**<50**	**1.9**	**3.1**	**1.3**	**6.9**
VW-2	10/28/94	8015/8020	<50	<500	<0.5	<0.5	<0.5	<0.5
	6/7/95	8015/8020	<50	---*	<0.5	<0.5	<0.5	<0.5
	6/28/95	8015/8020	---	1.4**	---	---	---	---
	9/18/95	8015/8020	<50	<50	<0.5	<0.5	<0.5	<0.5
	12/18/95	8015/8020	<50	<50	<0.5	<0.5	<0.5	<0.5
	3/12/96	**8015/8020**	**<50**	**<50**	**<0.5**	**0.9**	**<0.5**	**2.6**
VW-3	10/28/94	8015/8020	<50	<500	<0.5	<0.5	<0.5	<0.5
	6/7/95	8015/8020	<50	<50	<0.5	<0.5	<0.5	<0.5
	9/18/95	8015/8020	<50	<50	<0.5	<0.5	<0.5	<0.5
	12/18/95	8015/8020	<50	<50	<0.5	<0.5	<0.5	<0.5
	3/12/96	**8015/8020**	**<50**	**<50**	**0.53**	**1.3**	**0.76**	**4.0**
TB	6/7/95	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5
	9/18/95	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5
	12/18/95	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5
	3/12/96	**8015/8020**	**<50**	**---**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
BB								
	9/18/95	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5
	12/18/95	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5
	3/12/96	**8015/8020**	**---**	**---**	**---**	**---**	**---**	**---**

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Table 2. Analytic Results for Ground Water - Caltrans Maintenance Station, 21195 Center Street, Castro Valley, California. (continued)

EXPLANATION:

TPPH(G) = Total Purgeable Petroleum Hydrocarbons as Gasoline
TPH(D) = Total Petroleum Hydrocarbons as Diesel
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
ppb = Parts per billion
--- = Not analyzed/not applicable

ANALYTIC METHODS:

8015 = EPA Method 8015/5030 for TPPH(G)
8015 = Modified EPA Method 8015 for TPH(D)
8020 = EPA Method 8020 for BTEX

ANALYTIC LABORATORY:

All samples were analyzed by Applied P & CH Laboratory of Chino, California.
As of September 19, 1995 samples analyzed by Chromalab Environmental Services of Pleasanton, California.

NOTE:

* Sample Bottle was broken upon receipt.
** Motor oil with a small amount of diesel.

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APPENDIX C
SIERRA ENVIRONMENTAL SERVICES
STANDARD OPERATING PROCEDURES

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SES STANDARD OPERATING PROCEDURE

GROUND WATER SAMPLING - QUARTERLY MONITORING

The following describes sampling procedures used by SES field personnel to collect and handle ground water samples. Before samples are collected, careful consideration is given to the type of analysis to be performed so that precautions are taken to prevent loss of volatile components or contamination of the sample, and to preserve the sample for subsequent analysis. Wells will be sampled no less than 24 hours after well development. Collection methods specific to ground water sampling are presented below.

Prior to sampling, each well is checked for the presence of free-phase hydrocarbons using an MMC flexi-dip interface probe. Product thickness (measured to the nearest 0.01 foot) is noted on the sampling form. Water level measurements are also made using either a water level meter or the interface probe. The water level measurements are also noted on the sampling form.

Prior to sampling, each well is purged of a minimum of three well casing volumes of water using a steam-cleaned PVC bailer, or a pre-cleaned pump. Temperature, pH and electrical conductivity are measured during purging. Purging is continued until these parameters have stabilized for consecutive readings.

Ground water samples are collected from the wells with steam-cleaned Teflon bailers. The water samples are decanted into the appropriate container for the analysis to be performed. Pre-preserved sample containers may be used or the analytic laboratory may add preservative to the sample upon arrival.. Duplicate samples are collected from each well as a back-up sample and/or to provide quality control. The samples are labeled to include the project number, sample ID, date, preservative, and the field person's initials. The samples are placed in polyethylene bags and in an ice chest (maintained at 4°C with blue ice or ice) for transport under chain of custody to the laboratory.

The chain of custody form includes the project number, analysis requested, sample ID, date analysis and the SES field person's name. The form is signed and dated (with the transfer time) by each person who yields or receives the samples beginning with the field personnel and ending with the laboratory personnel.

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A trip blank and bailer blank accompanies each sampling set, or 5% trip blanks and 5% bailer blanks are included for sets of greater than 20 samples. The bailer blank is prepared by pouring previously boiled water into a steam-cleaned Teflon bailer prior to sampling a well. The trip and bailer blanks are analyzed for some or all of the same compounds as the ground water samples.

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APPENDIX D
CHAIN OF CUSTODY DOCUMENT AND
LABORATORY ANALYTIC REPORTS

558/80268- 80271

26892

Chain-of-Custody Record

Facility No. —
Facility Address 2195 CENTER STREET, CASTRO VALLEY
Consultant Project Number MR-904-06
Consultant Name SIERRA ENVIRONMENTAL SERVICES
Address P.O. Box 2546, Martinez, CA 94553
Project Contact (Name) ED MORALES / WAYNE A.
(Phone) (510) 370-1280
(FAX Number) (510) 370-7959

Client Contact (Name) RAY C.
(Company) CALTRANS
(Phone) (510) 582-5105
Laboratory Name CHROMALAB
Samples Collected by (Name) JOE CARTER
Collection Date 3/12/96
Signature Joe Carter

SUBM #: 9603550 REP: SS
CLIENT: SIERRA
DUE: 03/27/96
REF #:26892

Laboratory Number	Sample Identification	# - size of Container(s)	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (yes or no)	ANALYSIS TO BE PERFORMED: BTEX + TPH Gas (602/8020 + 8015/5030)	TPH Diesel (8015/3550/3510)	Oil and Grease (Non-polar) (5520 B/E/F)	Halogenated Hydrocarbons (601/8010)	Volatile Organic Compounds (624/8240)	Total Lead (AA)	Metals: Cd, Cr, Ni, Pb, Zn (ICAP or AA)	Organic lead (DHS LUFT)			Remarks
	TB-B	2 VOAS	W	G	—	HCL	Y	✓										ANALYZE IN ORDER SHOWN
	VW-1	3 VOAS 2 LTR.	↓	↓	12:31	VOAS = HCL LTR = NONE	↓	✓	✓									↓
	VW-2	3 VOAS 2 LTR			12:48	↓		✓	✓									
	VW-3	3 VOAS 2 LTR.			1:08			✓	✓									
																		[redacted] Use P.O. # SES-3301 on billing or payment may be delayed*

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Joe Carter	SES	3/13/96 / 1315	[redacted]	CHROMALAB	3/13/96 1315
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received for Laboratory by (Signature)		Date/Time 3/13/96 1700

Turn Around Time (Circle One)
24 hours
48 hours
5 days
10 days
As Contracted

CHROMALAB, INC.

Environmental Services (SDB)

RECEIVED
APR 0 4 1996
BY:_____

March 21, 1996 *Submission #:* 9603558

SIERRA ENVIRONMENTAL SERVICES

Atten: Ed Morales/Wayne A.

Project: Not provided *Project#:* MR-904-06
Received: March 13, 1996

re: 4 samples for Gasoline and BTEX compounds analysis.

Method: EPA 5030/8015M/8020

Matrix: WATER
Sampled: March 12, 1996 *Run#:* 821 *Analyzed:* March 14, 1996

Spl#	CLIENT SPL ID	Gasoline (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl Benzene (ug/L)	Total Xylenes (ug/L)
80268	TB-LB	N.D.	N.D.	N.D.	N.D.	N.D.
80269	VW-1	N.D.	1.9	3.1	1.3	6.9
80270	VW-2	N.D.	N.D.	0.90	N.D.	2.6

Matrix: WATER
Sampled: March 12, 1996 *Run#:* 821 *Analyzed:* March 21, 1996

Spl#	CLIENT SPL ID	Gasoline (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl Benzene (ug/L)	Total Xylenes (ug/L)
80271	VW-3	N.D.	0.53	1.3	0.76	4.0
Reporting Limits		50	0.50	0.50	0.50	0.50
Blank Result		N.D.	N.D.	N.D.	N.D.	N.D.
Blank Spike Result (%)		85.2	92.4	96.2	99.5	101

June Zhao
Chemist

Marianne Alexander
Gas/BTEX Supervisor

(510)370-7959 SS

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

CHROMALAB, INC.

Environmental Services (SDB)

March 27, 1996 *Submission #:* 9603558

SIERRA ENVIRONMENTAL SERVICES

Atten: Ed Morales/Wayne A.

Project: Not provided *Project#:* MR-904-06
Received: March 13, 1996

re: 3 samples for TPH - Diesel analysis.

Method: EPA 3550/8015M

Matrix: WATER *Extracted:* March 14, 1996
Sampled: March 12, 1996 *Run#:* 806 *Analyzed:* March 14, 1996

Spl#	CLIENT SPL ID	DIESEL (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
80269	VW-1	N.D.	50	N.D.	71.8	1
80271	VW-3	N.D.	50	N.D.	71.8	1

Matrix: WATER *Extracted:* March 14, 1996
Sampled: March 12, 1996 *Run#:* 806 *Analyzed:* March 15, 1996

Spl#	CLIENT SPL ID	DIESEL (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
80270	VW-2	N.D.	50	N.D.	71.8	1

Dennis Mayugba
Chemist

Alex Tam
Semivolatiles Supervisor

CHROMALAB, INC.
SAMPLE RECEIPT CHECKLIST

Client Name SIERRA

Date/Time Received 3/13/96 (Date) / 1315 (Time)

Project

Received by PSalis

Reference/Subm # 26892/9603558

Carrier name

Checklist completed by: [signature] / 3/14/96 (Signature / Date)

Logged in by MP (Initials) / 3/13/96 (Date)

Matrix H2O

Shipping container in good condition?			NA___	Yes___ No___
Custody seals present on shipping container?	Intact___	Broken___	Yes___	No___
Custody seals on sample bottles?	Intact___	Broken___	Yes___	No___
Chain of custody present?			Yes✓	No___
Chain of custody signed when relinquished and received?			Yes✓	No___
Chain of custody agrees with sample labels?			Yes✓	No___
Samples in proper container/bottle?			Yes✓	No___
Samples intact?			Yes✓	No___
Sufficient sample volume for indicated test?			Yes✓	No___
VOA vials have zero headspace?			NA___ Yes✓	No___
Trip Blank received?			NA___ Yes✓	No___
All samples received within holding time?			Yes✓	No___

Container temperature?___

pH upon receipt 6 pH adjusted <2 Check performed by: CK NA___

Any NO response must be detailed in the comments section below. If items are not applicable, they should be marked NA.

Client contacted?___ Date contacted?___

Person contacted?___ Contacted by?___

Regarding?___

Comments: pH adjusted for Diesel analysis

Corrective Action:___

SMPLRECD.CK

SIERRA

APPENDIX E
WATER SAMPLING FORMS

WATER LEVEL & PRODUCT MEASUREMENTS

SIERRA

PROJECT NAME & NUMBER: MR-904-06

Date: 3/12/96

By: JOE CARTER

Well ID	Time Measured	Depth to Product (ft)	Depth to Water (ft)	Total Depth	Comments: (well condition, odor, etc.)
VW-1	10:55	—	26.81	34.19	4" 15/16" ACCESS BAILED
VW-2	10:58	—	26.44	34.40	4" 15/16" ACCESS BAILED
VW-3	11:01	—	27.45	34.52	4" 15/16" ACCESS BAILED GOOD CONDITION

TRIP BLANK

SIERF

WATER SAMPLING DATA

Job Name CALTRANS MAINT. DEPT. Job Number ML-904-06 Sampler J.C.

Well Number TB-LB Date 3/12/96 Well Diameter

Sample Point Location/Description Well Depth (spec.)

Depth to Water (static) Well Depth (sounded)

Initial height of water in casing Volume gallons

Volume to be purged = 4 x initial volume gallons

Purged With Sub pump Sampled With BAILER

Pumped or Bailed Dry? ___ Yes ___ No Time ___ After ___ gallons

Water level at sampling Percent Recovery

Formulas/Conversions
r = well radius in ft
h = ht of water col. in ft
vol. in cyl. = $\pi r^2 h$
7.48 gal/ft³
V_2" casing = 0.163 gal/ft
V_3" casing = 0.367 gal/ft
V_4" casing = 0.653 gal/ft
$V_{4.5}$" casing = 0.826 gal/ft
V_6" casing = 1.47 gal/ft
V_8" casing = 2.61 gal/ft

CHEMICAL DATA

Purge Time		Purge Volume (gal.)	Cumulative (gal.)	pH	Temp. (°F)	Specific Conductance	
Start	Stop					Measurement	x umhos/cm

SAMPLES COLLECTED Time Total volume purged (gal.)

Water color Odor

Description of sediments or material in sample:

Additional Comments:

Sample ID	# of Cont.	Container Type	Filtered (size, u)	Preservative (type)	Refrig. (Y/N)	Lab (Init)	Analysis Requested
TB-LB	2	1	—	HCl	Y	CHROMALAB	8260 BTEX

Container Type Codes: **1** = 40 ml clear VOA/Teflon septa; **2** = Brown glass/teflon lined cap (specify size); **3** = Clear glass/teflon lined cap (specify size); **4** = Polyethylene/polyethylene cap (specify size); **5** = Other ; **6** = Other

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WATER SAMPLING DATA

Job Name CALTRANS MAINT. DEPT. Job Number MR-904-05P Sampler J.C.

Well Number VW-1 Date 3/12/96 Well Diameter 4"

Sample Point Location/Description ON SITE North of SAED FAC WEST of OFFICE Bldg. Well Depth (spec.) 34.19

Depth to Water (static) 26.81 Well Depth (sounded) —

Initial height of water in casing 7.38 Volume 4.81 gallons

Volume to be purged = 4 x initial volume 14 gallons

Purged With Sub pump Sampled With DISPOSABLE BAILER

Pumped or Bailed Dry? ___ Yes X No Time ___ After ___ gallons

Water level at sampling 26.84 Percent Recovery 95%

Formulas/Conversions
r = well radius in ft
h = ht of water col. in ft
vol. in cyl. = $\pi r^2 h$
7.48 gal/ft³
V_2" casing = 0.163 gal/ft
V_3" casing = 0.367 gal/ft
V_4" casing = 0.653 gal/ft
$V_{4.5}$" casing = 0.826 gal/ft
V_6" casing = 1.47 gal/ft
V_8" casing = 2.61 gal/ft

CHEMICAL DATA

Purge Time		Purge Volume (gal.)	Cumulative (gal.)	pH	Temp (°F)	Specific Conductance	
Start	Stop					Measurement	x umhos/cm
11:32	11:36	5	5	6.3	67	00.01	
	11:39	4	9	6.3	66	↓	
	11:42	5	14	6.3	66	↓	

SAMPLES COLLECTED Time 12:31 Total volume purged (gal.) 14

Water color CLEAR Odor NONE

Description of sediments or material in sample: NONE

Additional Comments: —

Sample ID	# of Cont.	Container Type	Filtered (size, u)	Preservative (type)	Refrig. (Y/N)	Lab (Init)	Analysis Requested
VW-1	3	1	—	HCL	Y	CHROMALAB	8/BTEX
↓	2	2	—	NONE	↓	↓	DIESEL

Container Type Codes: **1** = 40 ml clear VOA/Teflon septa; **2** = Brown glass/teflon lined cap (specify size); **3** = Clear glass/teflon lined cap (specify size); **4** = Polyethylene/polyethylene cap (specify size); **5** = Other ___; **6** = Other ___

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WATER SAMPLING DATA

Job Name CALTRANS MAINT. DEPT. Job Number MR-904-06 Sampler J.C.

Well Number MW-2 Date 3/12/96 Well Diameter 4"

Sample Point Location/Description ON S.E WEST of GARAGE SHED Well Depth (spec.) 34.40

Depth to Water (static) 26.44 Well Depth (sounded) —

Initial height of water in casing 7.96 Volume 5.19 gallons

Volume to be purged = 4 x initial volume 16 gallons

Purged With Sub pump Sampled With DISPOSABLE BAILER

Pumped or Bailed Dry? ___ Yes X No Time ____ After ____ gallons

Water level at sampling 26.62 Percent Recovery 80% (+)

Formulas/Conversions
r = well radius in ft
h = ht of water col. in ft
vol. in cyl. = $\pi r^2 h$
7.48 gal/ft³
V_2" casing = 0.163 gal/ft
V_3" casing = 0.367 gal/ft
V_4" casing = 0.653 gal/ft
$V_{4.5}$" casing = 0.826 gal/ft
V_6" casing = 1.47 gal/ft
V_8" casing = 2.61 gal/ft

CHEMICAL DATA

Purge Time		Purge Volume (gal.)	Cumulative (gal.)	pH	Temp (°F/°C)	Specific Conductance	
Start	Stop					Measurement	x umhos/cm
11:45	11:48	5	5	6.6	60	0920	
	11:53	6	11	6.7	59	0929	
	11:57	5	16	6.8	58	0930	

SAMPLES COLLECTED Time 12:48 Total volume purged (gal.) 16

Water color CLEAR Odor NONE

Description of sediments or material in sample: NONE

Additional Comments: —

Sample ID	# of Cont.	Container Type	Filtered (size, u)	Preservative (type)	Refrig. (Y/N)	Lab (Init)	Analysis Requested
MW-2	3	1	—	HCL	Y	CHROMALAB	G/BTEX
↓	2	2	↓	NONE	↓	↓	DIESEL

Container Type Codes: **1** = 40 ml clear VOA/Teflon septa; **2** = Brown glass/teflon lined cap (specify size); **3** = Clear glass/teflon lined cap (specify size); **4** = Polyethylene/polyethylene cap (specify size); **5** = Other _____; **6** = Other _____

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WATER SAMPLING DATA

Job Name CALTRANS MAINT. DEPT. Job Number MR-904-06 Sampler J.C.

Well Number VW-3 Date 3/12/96 Well Diameter 2"

Sample Point Location/Description ON SITE North of STORAGE SHED Well Depth (spec.) 34.52

Depth to Water (static) 27.45 Well Depth (sounded) —

Initial height of water in casing 7.07 Volume 4.61 gallons

Volume to be purged = 4 x initial volume 14 gallons

Purged With Sub pump Sampled With DISPOSABLE BAILER

Pumped or Bailed Dry? ___ Yes X No Time ____ After ____ gallons

Water level at sampling 29.91 Percent Recovery 75% ±

Formulas/Conversions
r = well radius in ft
h = ht of water col. in ft
vol. in cyl. = $\pi r^2 h$
7.48 gal/ft³
V_2" casing = 0.163 gal/ft
V_3" casing = 0.367 gal/ft
V_4" casing = 0.653 gal/ft
$V_{4.5}$" casing = 0.826 gal/ft
V_6" casing = 1.47 gal/ft
V_8" casing = 2.61 gal/ft

CHEMICAL DATA

Purge Time		Purge Volume (gal.)	Cumulative (gal.)	pH	Temp (°F/°C)	Specific Conductance	
Start	Stop					Measurement	x umhos/cm
12:04	12:08	5	5	6.5	58	0637	
	12:12	4	9	6.2	57	0791	
	12:17	5	14	6.4	58	0791	

SAMPLES COLLECTED Time 1:08 Total volume purged (gal.) 14

Water color CLEAR Odor NONE

Description of sediments or material in sample: NONE

Additional Comments: —

Sample ID	# of Cont.	Container Type	Filtered (size. u)	Preservative (type)	Refrig. (Y/N)	Lab (Init)	Analysis Requested
VW-3	3	1	—	HCl	Y	CHROMA LAB	G/BTEX
↓	2	2	↓	NONE	↓	↓	DIESEL

Container Type Codes: 1 = 40 ml clear VOA/Teflon septa; 2 = Brown glass/teflon lined cap (specify size); 3 = Clear glass/teflon lined cap (specify size); 4 = Polyethylene/polyethylene cap (specify size); 5 = Other ____; 6 = Other ____