STID 3160

SIERRA
Environmental Services

August 7, 1995

Jon Legallet
Telegraph Business Properties
1401 Griffith Street
San Francisco, CA 94124

Re: Telegraph Business Park
5427 Telegraph Avenue
Oakland, California
SES Project #4-719-04

Dear Mr. Legallet:

This report presents the results of quarterly ground water sampling at Telegraph Business Park, located at 5427 Telegraph Avenue in Oakland, California (Figure 1, Appendix A).

On July 26, 1995, SES personnel visited the site. Water levels were measured in all 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).

Ground water samples were collected from MW-1, MW-2 and MW-3 on July 26, 1995 in accordance with SES Standard Operating Procedure - Ground Water Sampling (Appendix C). All analyses were performed by Chromalab Environmental Services, of Pleasanton, California. Analytic results for ground water are presented in Tables 2 and 3 (Appendix B). The chain of custody document and laboratory analytic reports are presented in Appendix D. SES is not responsible for laboratory omissions or errors.

Thank you for allowing us to provide services to Telegraph Business Properties. Please call if you have any questions.

Sincerely,
Sierra Environmental Services

David M. Beardsley
Senior Technician

Wayne S. Akiyama
Senior Hydrogeologist #6009

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

DMB/WSA
71904QM.AU5

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

cc: Susan Hugo - Alameda County Health Care Services Agency

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

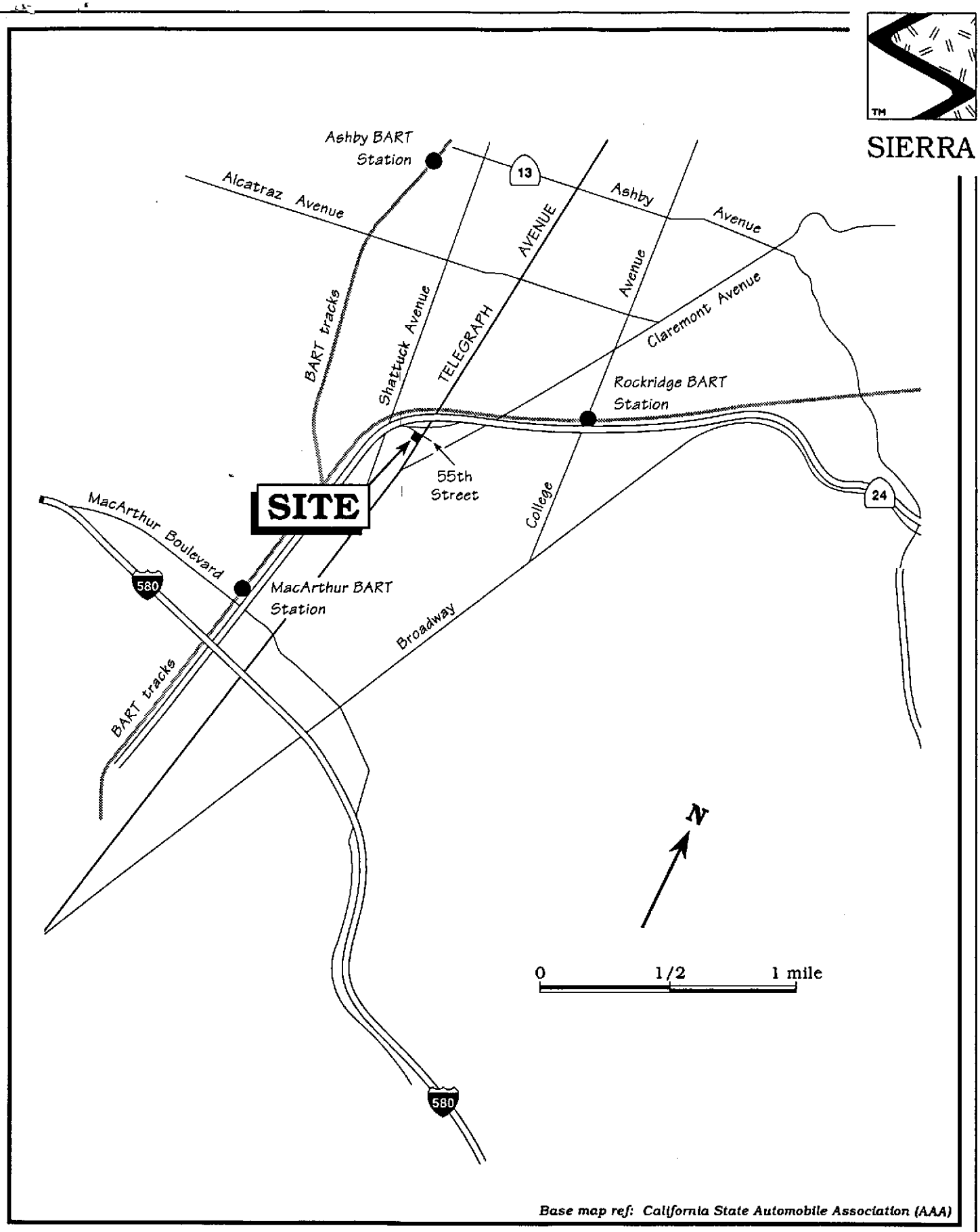

Figure 1. Site Location Map – Telegraph Business Park, 5427 Telegraph Avenue, Oakland, California

4-719-02 4/6/94

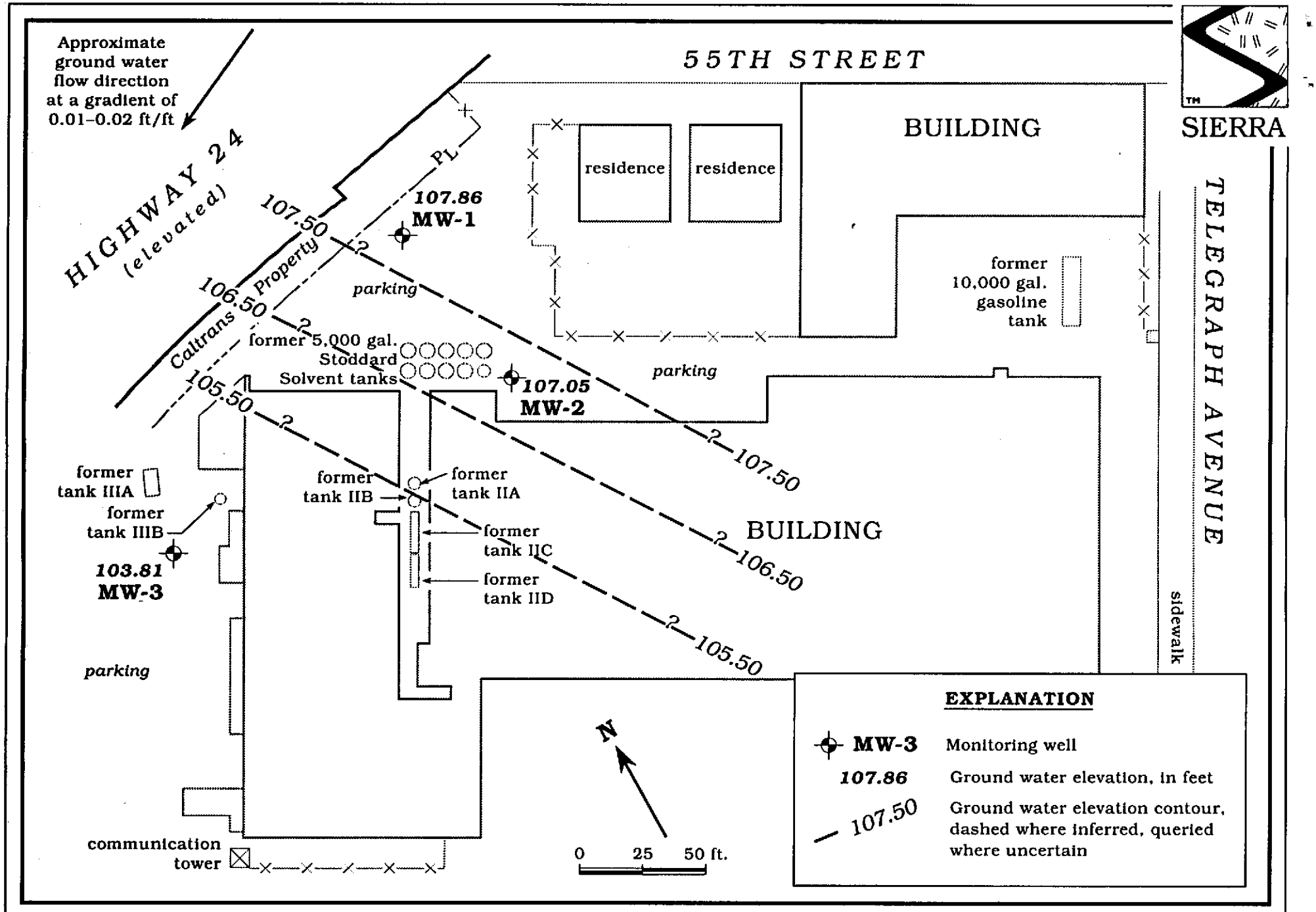

Figure 2. Monitoring Well Location and Ground Water Elevation Contour Map - July 26, 1995 - Telegraph Business Park, 5427 Telegraph Avenue, Oakland, California

4-719-04 [GW 7/95] 8/15/95

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Table 1. Water Level Data and Well Construction Details - Telegraph Business Park, 5427 Telegraph Avenue, Oakland, 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*---------->		
MW-3	1/20/95	6.47		108.67	0			
(cont)	4/7/95	7.98		107.16	0			
	7/26/95	**11.33**		**103.81**	**0**			

EXPLANATION:

DTW = Depth to water
TOC = Top of casing elevation
GWE = Ground water elevation
msl = Measurements referenced relative to mean sea level

NOTES:

All top of casing elevations were surveyed by Ronald C. Miller, Professional Engineer #15816 on January 13, 1994.

* Product thickness was measured with an MMC flexi-dip interface probe.

' Well resurveyed March 4, 1994 by Ronald C. Miller, Professional Engineer #15816.

71904T.WL

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Table 2. Analytic Results for Ground Water - Petroleum Hydrocarbons - Telegraph Business Park, 5427 Telegraph Avenue, Oakland, California

Sample ID	Date Sampled	Analytic Method	TPH(D)	Stoddard Solvent	O&G	B	T	E	X
			<----------			ppb			---------->
B-1	12/13/93	LUFT	1,200	93,000	---	---	---	---	---
B-2	12/13/93	LUFT	4,000	1,400,000	---	---	---	---	---
B-3	12/13/93	LUFT	3,700	780,000	---	---	---	---	---
B-4	12/13/93	LUFT	90	15,000	---	---	---	---	---
B-5	12/14/93	LUFT	100	1,600	---	---	---	---	---
B-6	12/14/93	LUFT	460	9,000	---	---	---	---	---
B-7	12/14/93	LUFT	390	18,000	---	---	---	---	---
B-8	12/14/93	LUFT	<50	<50	---	---	---	---	---
B-9	12/14/93	LUFT	<50	60	---	---	---	---	---
B-10	11/30/94	LUFT/5520/602	---	120,000	<10,000	<0.3	<0.3	<0.3	<0.3
B-11	11/30/94	LUFT/5520/602	---	210	<10,000	<0.3	<0.3	<0.3	<0.3
B-12	11/30/94	LUFT/5520/602	---	150	<10,000	<0.3	<0.3	<0.3	<0.3
B-13	11/30/94	LUFT/5520/602	---	220	<10,000	2.3	0.80	<0.3	4
B-14	11/30/94	LUFT/5520/602	---	150	<10,000	<0.3	<0.3	<0.3	0.80
B-15	1/23/95	LUFT/5520/602	---	9,100	<10,000	40	<3.0	60	<3.0
B-16	1/23/95	LUFT/5520/602	---	52[1]	<13,000	<0.3	<0.3	<0.3	1.3
B-17	1/23/95	LUFT/5520/602	---	<50	<10,000	<0.3	<0.3	<0.3	<0.3

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Table 2. Analytic Results for Ground Water - Petroleum Hydrocarbons - Telegraph Business Park, 5427 Telegraph Avenue, Oakland, California (continued)

Sample ID	Date Sampled	Analytic Method	TPH(D)	Stoddard Solvent	O&G	B	T	E	X
			<----------			ppb			---------->
MW-1	1/5/94	LUFT/602	500	1,000	6,300*	3.3	1.6	<0.3	6
	4/6/94	LUFT/602/5520	800	1,400	<5,000	5.6	4.5	<0.3	11
	7/7/94	LUFT/602/5520	400	1,200	8,300*	1.5	0.80	<0.3	1.9
	10/11/94	LUFT/602/5520	<5.0	700	<5,000	<0.3	<0.3	<0.3	<0.3
	1/20/95	LUFT/602	---	1,500	---	3.9	2	<0.3	3.9
	4/7/95	602/5030	2,500	500	---	3.2	1.1	<0.3	1.7
	7/26/95[2,3]	**8015/8020**	**---**	**1500**	**---**	**3.1**	**3.2**	**12**	**16**
MW-2	1/5/94	LUFT/602	200	35,000	<5,000	12	38	<3.0	150
	4/6/94	LUFT/602/5520	2,200	94,000	15,600	21	22	<6.0	110
	7/7/94	602	---	---	---	16	16	<1.5	1,510
	7/11/94	LUFT/5520	800	43,000	14,500*	---	---	---	---
	10/11/94	LUFT/5520/602	<5.0	31,000	<5,000	17	13	14	0.3
	1/20/95	LUFT/602	---	26,000	---	18	13	12	50
	4/7/95	602/5030	900	70,000	---	17.5	11	<0.6	74.6
	7/26/95	**8015/8020**	**---**	**21,000**	**---**	**17**	**<0.5**	**26**	**94**
MW-3	1/5/94	LUFT/5520/602	70	1,100	<5,000	180	20	85	10
	4/6/94	LUFT/5520/602	<50	1,000	<5,000	140	13	60	<12
	7/7/94	602	---	---	---	120	7.5	8.0	<3.0
	7/11/94	LUFT/5520	270	1,000	<5,000*	---	---	---	---
	10/11/94	LUFT/5520/602	<5.0	1,100	<5,000	200	11	23	<0.3
	1/20/95	LUFT/602	---	2,100	---	36	3.5	4.8	<0.3
	4/7/95	602/5030	90	600	---	32.7	1.7	4.7	1.9
	7/26/95[3]	**8015/8020**	**---**	**1,200**	**---**	**98**	**3.2**	**12**	**16**
Trip Blank									
TB-LB	1/5/94	602	---	---	---	<0.3	<0.3	<0.3	<0.3
	4/6/94	602	---	---	---	<0.3	<0.3	<0.3	<0.6
	7/7/94	602	---	---	---	<0.3	<0.3	<0.3	<0.3
	10/11/94	602	---	---	---	<0.3	<0.3	<0.3	<0.3
	11/30/94	602	---	---	---	<0.3	<0.3	<0.3	<0.3
	1/20/95	LUFT/602	---	<50	---	<0.3	<0.3	<0.3	<0.3
	1/23/95	LUFT/602	---	<50	---	<0.3	<0.3	<0.3	<0.3
	4/7/95	602	---	---	---	<0.3	<0.3	<0.3	<0.3
	7/26/95	**8020**	**---**	**---**	**---**	**<0.5**	**<0.5**	**<0.5**	**<0.5**

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Table 2. Analytic Results for Ground Water - Petroleum Hydrocarbons - Telegraph Business Park, 5427 Telegraph Avenue, Oakland, California (continued)

Sample ID	Date Sampled	Analytic Method	TPH(D)	Stoddard Solvent	O&G	B	T	E	X
			<----------ppb---------->						
Bailer Blank									
BB	1/5/94	602	---	---	---	<0.3	<0.3	<0.3	<0.3
	4/6/94	602	---	---	---	<0.3	0.8	<0.3	<0.6
	7/11/94	602	---	---	---	<0.3	<0.3	<0.3	<0.3
	11/30/94	602	---	---	---	<0.3	<0.3	<0.3	<0.3
	1/20/95	LUFT/602	---	<50	---	<0.3	<0.3	<0.3	<0.3
	1/23/95	LUFT/602	---	<50	---	<0.3	<0.3	<0.3	<0.3
	4/7/95	602	---	---	---	<0.3	<0.3	<0.3	<0.3
	7/26/95	**8020**	**---**	**---**	**---**	**<0.5**	**<0.5**	**<0.5**	**<0.5**

EXPLANATION:

TPH(D) = Total Petroleum Hydrocarbons as Diesel
O&G = Oil and Grease
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
ppb = Parts per billion
--- = Not analyzed/Not applicable

ANALYTIC LABORATORY:

All samples analyzed by Chromolab Environmental Services, of Pleasanton, California.

ANALYTIC METHODS:

LUFT = Department of Health Services LUFT Manual Method for TPH(D), Stoddard Solvent, and O&G
602 = EPA Method 602 for BTEX
5520 = Standard Methods Method 5520 F for non-polar O&G

NOTES:

* This result represents both naturally occurring organics and petroleum hydrocarbons due to its analysis by Standard Methods Method 5520B.

[1] Stoddard gas range hydrocarbon does not match with stoddard gas standard.

[2] Unknown hydrocarbons in the diesel range were observed in sample.

[3] Unknown compounds in the motor oil range were observed in sample.

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Table 3. Analytic Results for Ground Water - Volatile Organic Compounds - Telegraph Business Park, 5427 Telegraph Avenue, Oakland, California

Sample ID	Date Sampled	Analytic Method	VC	1,1-DCA	t-1,2-DCE	c-1,2-DCE	C	1,2-DCA	TCE	PCE	1,2-DCB	Other HVOCs	Other VOCs
			<----------ppb---------->										
B-10	11/30/94	8240	<2	<3	<3	<3	<3	<2	<3	<2	<4	---	ND[10]
B-11	11/30/94	8240	<2	<3	<3	<3	<3	<2	<3	<2	<4	---	ND[10]
B-12	11/30/94	8240	<2	<3	<3	<3	<3	<2	<3	<2	<4	---	ND[10]
B-13	11/30/94	8240	430	32	7.9	810	<3	<2	340	360	<4	---	ND[10]
B-14	11/30/94	8240	<2	12	<3	35	<3	<2	21	59	<4	---	ND[10]
B-15	1/23/95	8240	<2	<3	<3	<3	<3	<2	<3	<2	<4	---	ND[10]
B-16	1/23/95	8240	<2	<3	<3	<3	<3	<2	8	290	<4	---	ND[10]
B-17	1/23/95	8240	<2	<3	<3	14	<3	<2	13	53	<4	---	ND[10]
MW-1	1/5/94	8010	<1	<0.3	<0.2	0.44	0.35	<0.2	<0.3	<2	0.36	ND[1]	---
	4/6/94	8010	<1	<0.3	<0.2	0.32	<0.2	<0.2	<0.3	<2	0.21	ND[4]	---
	7/7/94	8010	<1	<0.2	<0.2	<0.2	<0.1	<0.5	<0.2	<2	<0.2	ND[7]	---
	10/11/94	8240	<2	<3	<3	<3	<3	<2	<3	<2	<4	---	ND[10]
	1/20/95	8240	<2	<3	<3	<3	<3	<2	<3	<2	<1	---	ND[11]
	4/7/95	8010	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	<0.5	ND[14]	---
	7/26/95	**8010**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**ND[14]**	**---**
MW-2	1/5/94	8010	<1	10	1.1	130	5.6	2.7	2.6	<2	0.90	ND[2]	---
	4/6/94	8010	<1	0.40	<0.2	4.3	<0.2	<0.2	<0.3	<2	0.80	ND[5]	---
	7/7/94	8010	<1	3.4	<0.2	15	<0.1	0.60	0.60	<2	0.40	ND[8]	---
	10/11/94	8240	<2	<3	<3	31	<3	<2	<3	<2	<4	---	ND[10]
	1/20/95	8240	<2	5	<3	14	<3	<2	<3	<2	<1	---	ND[11]
	4/7/95	8010	4.9	4.3	<0.5	18	<0.5	1.4	<0.5	0.8	<0.5	ND[12,14]	---
	7/26/95	**8010**	**8.1**	**5.1**	**<0.5**	**20**	**<0.5**	**<0.5**	**<0.5**	**1.6**	**<0.5**	**ND[14]**	**---**
MW-3	1/5/94	8010	<1	0.70	<0.2	5.2	1.3	0.20	<0.3	<2	1.5	ND[3]	---
	4/6/94	8010	<1	0.40	<0.2	4.2	<0.2	<0.2	<0.3	<2	0.80	ND[5]	---
	7/7/94	8010	<1	0.30	<0.2	2.9	<0.1	<0.5	<0.2	<2	1.3	ND[9]	---
	10/11/94	8240	<2	<3	<3	<3	<3	<2	<3	<2	<4	---	ND[10]
	1/20/95	8240	<2	<3	<3	6	<3	<2	<3	<2	1	---	ND[11]
	4/7/95	8010	8.8	<0.5	<0.5	13	<0.5	0.7	<0.5	<0.5	2	ND[13,14]	---

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Table 3. Analytic Results for Ground Water - Volatile Organic Compounds - Telegraph Business Park, 5427 Telegraph Avenue, Oakland, California (continued)

Sample ID	Date Sampled	Analytic Method	VC	1,1-DCA	t-1,2-DCE	c-1,2-DCE	C	1,2-DCA	TCE	PCE	1,2-DCB	Other HVOCs	Other VOCs
			<--------				ppb						-------->
MW-3	**7/26/95**	**8010**	**9.6**	**<0.5**	**<0.5**	**6.3**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**ND[15]**	**---**

EXPLANATION:

VC = Vinyl Chloride
1,1-DCA = 1,1-Dichloroethane
t-1,2-DCE = trans-1,2-Dichloroethene
c-1,2-DCE = cis-1,2-Dichloroethene
C = Chloroform
1,2-DCA = 1,2-Dichloroethane
TCE = Trichloroethene
PCE = Tetrachloroethene
1,2-DCB = 1,2-Dichlorobenzene
HVOCs = Halogenated Volatile Organic Compounds
VOCs = Volatile Organic Compounds
ppb = Parts per billion
ND = Not detected

ANALYTIC LAB:

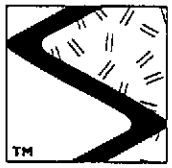
All samples analyzed by Chromolab Environmental Services, of Pleasanton, California.

ANALYTIC METHODS:

8010 = EPA Method 8010 for HVOCs
8240 = EPA Method 8240 for VOCs

NOTES:

1 1,4-Dichlorobenzene was detected at 0.34 ppb. Other HVOCs not detected at detection limits of 0.2 to 2.0 ppb.
2 1,2-Dichloropropene, T-1,3-Dichloropropene, and 1,4-Dichlorobenzene were detected at 18, 1.0 and 1.0 ppb, respectively. Other HVOCs not detected at detection limits of 0.2 to 2.0 ppb.
3 Chlorobenzene and 1,4-Dichlorobenzene were detected at 0.70 and 0.30 ppb, respectively. Other HVOCs not detected at detection limits of 0.2 to 2.0 ppb.
4 1,4-Dichlorobenzene was detected at 0.21 ppb. Other HVOCs not detected at detection limits of 0.2 to 2.2 ppb.
5 Chlorobenzene was detected at 1.7 ppb. Other HVOCs not detected at detection limits of 0.2 to 2.2 ppb.
6 Chlorobenzene was detected at 1.6 ppb. Other HVOCs not detected at detection limits of 0.2 to 2.2 ppb.
7 1,4-Dichlorobenzene was detected at 0.26 ppb. Other HVOCs not detected at detection limits of 0.2 to 2.0 ppb.
8 1,2-Dichloropropene, tetrachloroethene and 1,4-Dichlorobenzene were detected at 6.5, 1.4 and 0.34 ppb, respectively. Other HVOCs not detected at detection limits of 0.2 to 2.0 ppb.
9 Other HVOCs not detected at detection limits of 0.2 to 2.0 ppb.
10 Benzene, toluene, ethylbenzene and xylene results are included on Table 1. Other VOCs not detected at detection limits of 2 to 50 ppb.
11 Benzene, toluene, ethylbenzene and xylene results are included on Table 1. Other VOCs not detected at detection limits of 1 to 7 ppb.
12 1,2-dichloropropane was detected at 8.0 ppb.
13 Chlorobenzene was detected at 7.3 ppb.
14 Other HVOCs were not detected at a detection limit of 0.5 ppb.
15 Chlorobenzene was detected at 4.0 ppb.



APPENDIX C
SES STANDARD OPERATING PROCEDURE

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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 four well casing volumes of water using a steam-cleaned PVC bailer, or a pre-cleaned pump. Temperature, pH and electrical conductivity are measured at least three times during purging. Purging is continued until these parameters have stabilized (i.e., changes in temperature, pH or conductivity do not exceed ±0.5°F, 0.1 or 5%, respectively).

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.

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

CHROMALAB, INC.

Environmental Services (SDB)

August 3, 1995

SIERRA ENVIRONMENTAL SERVICES *Submission #:* 9507325

Atten: Ed Morales

Project: 5427 TELEGRAPH AVE,OAKLND *Project#:* 4-719-04

REPORTING INFORMATION

Sample(s) were received cold and in good condition on **July 27, 1995.** They were refrigerated on receipt, and analyzed on the date shown on the attached report. ChromaLab followed EPA or equivalent methods for all analyses reported.

No discrepancies were observed or difficulties encountered with the analysis.

Unknown hydrocarbons in the diesel range were observed in sample, MW-1.

Unknown compounds in the motor oil range were observed in samples, MW-1 and MW-3.

Jill Thomas
Quality Assurance Manager

Eric Tam
Laboratory Director

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

CHROMALAB, INC.

Environmental Services (SDB)

August 3, 1995 *Submission #:* 9507325

SIERRA ENVIRONMENTAL SERVICES

Atten: Ed Morales

Project: 5427 TELEGRAPH AVE,OAKLND *Project#:* 4-719-04
Received: July 27, 1995

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

SampleID: MW-2
Sample #: 97160 *Matrix:* WATER
Sampled: July 26, 1995 *Run:* 7899-A *Analyzed:* July 28, 1995

Analyte	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
CHLOROMETHANE	N.D.	0.5	N.D.	--
VINYL CHLORIDE	8.1	0.5	N.D.	--
BROMOMETHANE	N.D.	0.5	N.D.	--
CHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHENE	N.D.	0.5	N.D.	115
METHYLENE CHLORIDE	N.D.	0.5	N.D.	--
TRANS-1,2-DICHLOROETHENE	N.D.	0.5	N.D.	--
CIS-1,2-DICHLOROETHENE	20	0.5	N.D.	--
1,1-DICHLOROETHANE	5.1	0.5	N.D.	--
CHLOROFORM	N.D.	0.5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	0.5	N.D.	--
CARBON TETRACHLORIDE	N.D.	0.5	N.D.	--
1,2-DICHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROETHENE	N.D.	0.5	N.D.	108
1,2-DICHLOROPROPANE	N.D.	0.5	N.D.	--
BROMODICHLOROMETHANE	N.D.	0.5	N.D.	--
2-CHLOROETHYLVINYL ETHER	N.D.	0.5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	0.5	N.D.	--
TETRACHLOROETHENE	1.6	0.5	N.D.	--
DIBROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROBENZENE	N.D.	0.5	N.D.	109
BROMOFORM	N.D.	0.5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	0.5	N.D.	--
1,3-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.5	N.D.	--
TRICHLOROTRIFLUOROETHANE	N.D.	0.5	N.D.	--

Aaron McMichael
Chemist

Ali Kharrazi
Organic Manager

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(510) 484-1919 • Facsimile (510) 484-1096
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

August 3, 1995 *Submission #:* 9507325

SIERRA ENVIRONMENTAL SERVICES

Atten: Ed Morales

Project: 5427 TELEGRAPH AVE,OAKLND *Project#:* 4-719-04
Received: July 27, 1995

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

SampleID: MW-1
Sample #: 97161 *Matrix:* WATER
Sampled: July 26, 1995 *Run:* 7899-A *Analyzed:* July 28, 1995

Analyte	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
CHLOROMETHANE	N.D.	0.5	N.D.	--
VINYL CHLORIDE	N.D.	0.5	N.D.	--
BROMOMETHANE	N.D.	0.5	N.D.	--
CHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHENE	N.D.	0.5	N.D.	115
METHYLENE CHLORIDE	N.D.	0.5	N.D.	--
TRANS-1,2-DICHLOROETHENE	N.D.	0.5	N.D.	--
CIS-1,2-DICHLOROETHENE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHANE	N.D.	0.5	N.D.	--
CHLOROFORM	N.D.	0.5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	0.5	N.D.	--
CARBON TETRACHLORIDE	N.D.	0.5	N.D.	--
1,2-DICHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROETHENE	N.D.	0.5	N.D.	108
1,2-DICHLOROPROPANE	N.D.	0.5	N.D.	--
BROMODICHLOROMETHANE	N.D.	0.5	N.D.	--
2-CHLOROETHYLVINYL ETHER	N.D.	0.5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	0.5	N.D.	--
TETRACHLOROETHENE	N.D.	0.5	N.D.	--
DIBROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROBENZENE	N.D.	0.5	N.D.	109
BROMOFORM	N.D.	0.5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	0.5	N.D.	--
1,3-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.5	N.D.	--
TRICHLOROTRIFLUOROETHANE	N.D.	0.5	N.D.	--

Aaron McMichael
Chemist

Ali Kharrazi
Organic Manager

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CHROMALAB, INC.

Environmental Services (SDB)

August 3, 1995 *Submission #:* 9507325

SIERRA ENVIRONMENTAL SERVICES

Atten: Ed Morales

Project: 5427 TELEGRAPH AVE,OAKLND *Project#:* 4-719-04
Received: July 27, 1995

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

SampleID: MW-3
Sample #: 97162 *Matrix:* WATER
Sampled: July 26, 1995 *Run:* 7899-A *Analyzed:* July 28, 1995

Analyte	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
CHLOROMETHANE	N.D.	0.5	N.D.	--
VINYL CHLORIDE	9.6	0.5	N.D.	--
BROMOMETHANE	N.D.	0.5	N.D.	--
CHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHENE	N.D.	0.5	N.D.	115
METHYLENE CHLORIDE	N.D.	0.5	N.D.	--
TRANS-1,2-DICHLOROETHENE	N.D.	0.5	N.D.	--
CIS-1,2-DICHLOROETHENE	6.3	0.5	N.D.	--
1,1-DICHLOROETHANE	N.D.	0.5	N.D.	--
CHLOROFORM	N.D.	0.5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	0.5	N.D.	--
CARBON TETRACHLORIDE	N.D.	0.5	N.D.	--
1,2-DICHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROETHENE	N.D.	0.5	N.D.	108
1,2-DICHLOROPROPANE	N.D.	0.5	N.D.	--
BROMODICHLOROMETHANE	N.D.	0.5	N.D.	--
2-CHLOROETHYLVINYL ETHER	N.D.	0.5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	0.5	N.D.	--
TETRACHLOROETHENE	N.D.	0.5	N.D.	--
DIBROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROBENZENE	4.0	0.5	N.D.	109
BROMOFORM	N.D.	0.5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	0.5	N.D.	--
1,3-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.5	N.D.	--
TRICHLOROTRIFLUOROETHANE	N.D.	0.5	N.D.	--

Aaron McMichael
Chemist

Ali Kharrazi
Organic Manager

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N:QC726 AARON 17:42:54

CHROMALAB, INC.

Environmental Services (SDB)

August 3, 1995 *Submission #:* 9507325

SIERRA ENVIRONMENTAL SERVICES

Atten: Ed Morales

Project: 5427 TELEGRAPH AVE,OAKLND *Project #:* 4-719-04
Received: July 27, 1995

re: Three samples for Stoddard Solvent analysis

Matrix: WATER *Extracted:* July 31, 1995
Sampled: July 26, 1995
Method: EPA 3510/8015

Sample #	Client Sample ID	Stoddard Solvent (µg/L)	Date Analyzed
97161	MW-1	1500	08/01/95
97160	MW-2	21000	08/03/95
97162	MW-3	1200	08/02/95
Blank		N.D.	
Blank Spike Recovery		67%	
Reporting Limit		50	

ChromaLab, Inc.

Alex Tam
Analytical Chemist

Ali Kharrazi
Organic Manager

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CHROMALAB, INC.

Environmental Services (SDB)

Analyzed: 08/1/95-08/3/95 *Submission #:* 9507325

SIERRA ENVIRONMENTAL SERVICES *Method:* Stoddard

Project: 5427 TELEGRAPH AVE,OAKLND *Method #:* EPA 3510/8015

SURROGATE RECOVERIES

Sample #	Client Sample ID	o-Terphenyl (%)
97161	MW-1	89.3
97160	MW-2	90.0
97162	MW-3	93.8
Blank		92.7
Blank Spike		95.9
Blank Spike Dup.		105

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CHROMALAB, INC.

Environmental Services (SDB)

August 4, 1995 *Submission #:* 9507325

SIERRA ENVIRONMENTAL SERVICES

Atten: Ed Morales

Project: 5427 TELEGRAPH AVE,OAKLND *Project#:* 4-719-04
Received: July 27, 1995

re: 5 samples for BTEX analysis.
Method: EPA 8020

Sampled: July 26, 1995 *Matrix:* WATER
Run: 7872-3 *Analyzed:* August 2, 1995

Spl #	Sample ID	Benzene (ug/L)	Toluene (ug/L)	Ethyl Benzene (ug/L)	Total Xylenes (ug/L)
97158	TB	N.D.	N.D.	N.D.	N.D.
	For above sample: *XYLENES DETECTION LIMIT IS 0.55ug/L*				
97159	BB	N.D.	N.D.	N.D.	N.D.
97160	MW-2	17	N.D.	26	94
	For above sample: *BTEX DET.LIMIT IS 12.5ug/L*				
97161	MW-1	3.1	1.0	8.4	17
97162	MW-3	98	3.2	12	16
	Reporting Limits	0.5	0.5	0.5	0.5
	Blank Result	N.D.	N.D.	N.D.	N.D.
	Blank Spike Result (%)	97	101	100	100

Jack Kelly
Chemist

Ali Kharrazi
Organic Manager

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CHROMALAB, INC.
Environmental Services (SDB)

STODDARD REPORT-QUALITY CONTROL

Analyzed: 08/1/95-08/3/95
SIERRA ENVIRONMENTAL SERVICES
Project: 5427 TELEGRAPH AVE,OAKLND

Submission #: 9507325
Method: Stoddard
Method #: EPA 3510/8015
Matrix: WATER

BS/BSD

PARAMETER	UNITS	BLANK RESULT	SPIKE CONC	SPIKED BLANK RESULT	% REC	DUP SPIKE RESULT	DUP % REC	CONTROL LIMITS	RPD	RPD LIMIT %
Diesel	ug/L	N.D.	216	145	67.3	138	63.9	70/120	5.2	20

% Recovery = (Spike sample result-Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Spike result-Duplicate Result)*100/Average Result

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CHROMALAB, INC.
SAMPLE RECEIPT CHECKLIST

Client Name SIERRA ENV

Project 4-719-04

Reference/Subm # 23106/A507325

Checklist completed by: Cowley 7/28/95 (Signature / Date)

Date/Time Received 7/27/95 (Date) 1433 (Time)

Received by PSolis

Carrier name

Logged in by KM (Initials) 7/27/95 (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 _____ pH adjusted_____ Check performed by:_____ 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:_____

Corrective Action:_____

SMPLRECD.CK

325/97158-162

SUBM #: 9507325 REP: SS
CLIENT: SIERENV
DUE: 08/03/95
REF #:23106

23106

Chain-of-Custody Record

Facility No. _____
Facility Address 5427 TELEGRAPH AVE., OAKLAND
Consultant Project Number 4-719-04
Consultant Name SIERRA ENVIRONMENTAL SERVICES
Address P.O. Box 2546, Martinez, CA 94553
Project Contact (Name) ED MORALES
(Phone) (510) 370-1280
(FAX Number) (510) 370-7959

act (Name) JON LEGALLET
(Company) TELEGRAPH BUS. PARK
(Phone) 415-822-8255
Laboratory Name CHROMALAB
Samples Collected by (Name) JOHN HARMON
Collection Date 7/26/95
Signature

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 (502/8020 + 8015/5030)	TPH Diesel, Stoddard (8015 Modified) Soil	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	2 40 ml VOA	W	G	—	HCL	Y	X										ANALYS
	BB	2 40 ml VOA			1150	HCL		X										
	MW-2	6 40 ml VOA			1155	HCL		X			X							
	MW-2	1 LTR			1155	—			X									
	MW-1	6 40 ml VOA			1251	HCL		X			X							
	MW-1	1 LTR			1251	—			X									
	MW-3	6 40 ml VOA			1330	HCL		X			X							
	MW-3	1 LTR	↓	↓	1330	—	↓		X									↓

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Turn Around Time (Circle One)
[signature]	SES	7/26/95 14:30	[signature]		7/27/95 14:33	24 hours
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	48 hours
						5 days
Relinquished By (Signature)	Organization	Date/Time	Received for Laboratory by (Signature)		Date/Time	(10 days)
						As Contracted

SIERRA

APPENDIX E
WATER SAMPLING FORMS

WATER LEVEL & PRODUCT MEASUREMENTS

SIERRA

PROJECT NAME & NUMBER: Tele. Bus. Park 4-719-04

Date: 7/26/95

By: John HARMON

Well ID	Time Measured	Depth to Product (ft)	Depth to Water (ft)	Total Depth	Comments: (well condition, odor, etc.)
MW-1	—	—	7.10	19.05	
MW-2	—	—	10.55	26.55	
MW-3	—	—	11.33	19.83	SLIGHT ODOR

SIERRA

WATER SAMPLING DATA

Job Name Dele. Bus. Park Job Number 4-719-04 Sampler JAA

Well Number BB Date 7/26/95 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 _____ gallons

Purged With _____ Sampled With _____

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_3" 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 (°C)	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
BB	2	40mL VOA	~	HCL	Y	CHROMALAB	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 _____

SIERRA

WATER SAMPLING DATA

Job Name Tele. Bus. Park Job Number 4-719-04 Sampler SAA

Well Number TB Date 7/26/95 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 _____ gallons

Purged With _____ Sampled With _____

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 (°C)	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	2	40mL VOA	—	ACL	Y	CHlonaLAB	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 _____

SIERRA

WATER SAMPLING DATA

Job Name Tele. Bus. Park Job Number 719-04 Sampler JAR

Well Number MW-1 Date 7/26/95 Well Diameter 2"

Sample Point Location/Description MW-1 Well Depth (spec.) _____

Depth to Water (static) 7.10 Well Depth (sounded) 19.05

Initial height of water in casing 11.95 Volume 1.44 gallons

Volume to be purged 4.34 gallons

Purged With Elec. Pump Sampled With DISPOSABLE BAILER

Pumped or Bailed Dry? ___ Yes X 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 ~~°C~~	Specific Conductance	
Start	Stop					Measurement	x umhos/cm
1240		1.5	1.5	6.52	76°F	0150 X10	
		1.5	3	6.63	72°F	0150X10	
		2	5	6.66	71°F	0140 X10	
	1246						

SAMPLES COLLECTED Time 1251 Total volume purged (gal.) 5

Water color CLEAR Odor NONE

Description of sediments or material in sample: Silty - very little and very fine

Additional Comments: _____

Sample ID	# of Cont.	Container Type	Filtered (size, u)	Preservative (type)	Refrig. (Y/N)	Lab (Init)	Analysis Requested
[redacted]	1	1 LTR AMBER		—	Y	CROMALAB	TPH STODDARD
MW-1	3	40ML VOA		HCL	Y	CROMALAB	8010
MW-1	3	40 ML VOA		HCL	Y	CROMALAB	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 _____

SIERRA

WATER SAMPLING DATA

Job Name Tier, Bus. PARK Job Number 4-719-04 Sampler SAA

Well Number MW-2 Date 7/26/95 Well Diameter 2"

Sample Point Location/Description MW-2 Well Depth (spec.) _____

Depth to Water (static) 10.55 Well Depth (sounded) 26.55

Initial height of water in casing 16.00 Volume 2.60 gallons

Volume to be purged 7.8 gallons

Purged With Elec. PUMP Sampled With Disposable BAILER

Pumped or Bailed Dry? ___ Yes X 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 ~~(°C)~~	Specific Conductance	
Start	Stop					Measurement	x umhos/cm
1140		2.5	2.5	6.38	71°F	0190 x10	
		2.5	5	6.48	67°F	0170 x10	
		3	8	6.55	67°F	0180 x10	
	1149						

SAMPLES COLLECTED Time 1155 Total volume purged (gal.) 8

Water color TANISH/GRAY Odor VERY SLIGHT

Description of sediments or material in sample: HEAVY SILTY SAND

Additional Comments: _____

Sample ID	# of Cont.	Container Type	Filtered (size, u)	Preservative (type)	Refrig. (Y/N)	Lab (Init)	Analysis Requested
MW-2	1	1LTR AMBER		—	Y	CHROMALAB	TPH 5700MOD
MW-2	3	40ML VOA		HCL	Y	"	8010
MW-2	3	40ML VOA		HCL	Y	"	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 _____

SIERRA

WATER SAMPLING DATA

Job Name TCE, BOS. PARK Job Number 4-719-04 Sampler JAA

Well Number MW-3 Date 7/26/95 Well Diameter 2"

Sample Point Location/Description MW-3 Well Depth (spec.) _____

Depth to Water (static) 11.33 Well Depth (sounded) 19.83

Initial height of water in casing 8.50 Volume 1.38 gallons

Volume to be purged 4.15 gallons

Purged With Elec. Pump Sampled With DISPOSABLE BAILER

Pumped or Bailed Dry? ___ Yes X 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 (est.)	Specific Conductance	
Start	Stop					Measurement	x umhos/cm
1320		1.5	1.5	6.51	72°F	0090 x10	
		1.5	3	6.66	70°F	0090 x10	
		1.5	4.5	6.73	69°F	0100 x10	
	1325						

SAMPLES COLLECTED Time 1330 Total volume purged (gal.) 4.5

Water color CLEAR Odor SLIGHT

Description of sediments or material in sample: VERY SLIGHTLY SILTY

Additional Comments: _____

Sample ID	# of Cont.	Container Type	Filtered (size, u)	Preservative (type)	Refrig. (Y/N)	Lab (Init)	Analysis Requested
MW-3	1	1GL AMBER		—	Y	CHROM+PB	PH STD AFD
MW-3	3	40mL VOA		HCL	Y		8010
MW-3	3	40 mL VOA		HCL	Y		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 _____