



PACIFIC  
ENVIRONMENTAL  
GROUP INC.

① Calculate GW flow direction  
in future rpts.

February 23, 1996  
Project 286-001.4C

Ms. Eva Chu  
Alameda County Health Care Services Agency  
1131 Harbor Bay Parkway  
Alameda, California 94502-6577

Re: Quarterly Report - First Quarter 1996  
Estate of John B. Henry Property  
1726 Park Street at Eagle Avenue  
Alameda, California

Dear Ms. Chu:

Pacific Environmental Group, Inc. (PACIFIC), on behalf of the Estate of John B. Henry Property, is pleased to present the results of the first quarter 1996 monitoring and sampling event for the site referenced above (Figure 1).

#### **SITE BACKGROUND**

The former service station included an enclosed service repair bay, three hydraulic lifts, an underground storage tank (UST) complex, one product dispenser island, and one underground waste oil storage tank (Figure 2). The USTs, located in the eastern portion of the property, were removed from the site in the early 1970's according to available records. However, the position and number of tanks removed from the site is unknown.

Since 1991, the waste oil tank has been removed, a series of soil borings have been drilled, and several groundwater monitoring wells have been installed and abandoned. Monitoring Wells MW-1 and MW-2 were drilled and installed in 1992 by TMC Environmental, Inc. and Wells MW-3 through MW-8 were drilled and installed by PACIFIC in February 1994. Monitoring Wells MW-1 through MW-4, MW-6, and MW-7 were abandoned on August 1995 in order to excavate the petroleum hydrocarbon-impacted soil at the site. Monitoring Well MW-9 was installed off site by PACIFIC in September 1995.

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PACIFIC ENVIRONMENTAL GROUP INC.

February 23, 1996

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## FINDINGS

### Groundwater Elevation Data

Groundwater elevations for the three wells at the site, MW-5, MW-8, and MW-9, were measured on January 31, 1996. The elevation of Monitoring Well MW-9 was surveyed in February 1996 and determined to be 16.30 feet top of casing and 16.59 feet top of box. Groundwater elevation data are presented in Table 1.

### Groundwater Analytical Results

Groundwater samples were collected on January 31, 1996 for the first quarter 1996 monitoring and sampling event. All groundwater samples were sent to Sequoia Analytical Laboratories, a state-certified laboratory, to be analyzed for total purgeable petroleum hydrocarbons calculated as gasoline and total extractable petroleum hydrocarbons calculated as diesel by EPA Method 8015. All groundwater samples were also analyzed for benzene, toluene, ethylbenzene, and total xylenes by EPA Method 8020. Groundwater analytical data are presented in Table 2. The certified analytical reports and chain-of-custody documentation are presented as Attachment A.

If you have any questions regarding this letter, please call.

Sincerely,

**Pacific Environmental Group, Inc.**



Michelle R. Shipp  
Senior Staff Scientist



Lance D. Geselbracht, P.E.  
Senior Engineer

Attachments: Table 1 - Groundwater Elevation Data  
Table 2 - Groundwater Analytical Data - Total Purgeable Petroleum Hydrocarbons (TPPH as Gasoline, BTEX Compounds, TEPH as Diesel, and Oil and Grease)  
Figure 1 - Site Location Map  
Figure 2 - Site Map  
Attachment A - Certified Analytical Reports and Chain-of-Custody Documentation

cc: Mr. Michael Brown, Esq., Mendelson and Brown  
Mr. Marvin Katz, Texaco Refining and Marketing Inc.

**Table 1  
Groundwater Elevation Data**

Estate of John B. Henry Property  
1726 Park Street at Eagle Avenue  
Alameda, California

Well Number	Date Gauged	Well Elevation (feet, MSL)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)	
MW-1	05/12/92	13.57	6.16	7.41	
	07/28/92		6.68	6.89	
	08/17/92		6.77	6.80	
	09/21/92		6.96	6.61	
	01/14/93		5.38	8.19	
	09/17/93		7.42	6.15	
	01/31/94		6.35	7.22	
	02/14/94	16.76	6.59	10.17	
	04/22/94		6.57	10.19	
	07/25/94		6.71	10.05	
	02/09/95		5.48	11.28	
	08/17/95	----- Well Abandoned -----			
	MW-2	05/12/92	14.35	5.94	8.41
07/28/92			6.80	7.55	
08/17/92			6.94	7.41	
09/21/92			7.19	7.16	
01/14/93			4.82	9.53	
09/17/93			7.64	6.71	
01/31/94			6.50	7.85	
02/14/94		17.51	6.38	11.13	
04/22/94			6.50	11.01	
07/25/94			6.76	10.75	
02/09/95			4.96	12.55	
08/17/95		----- Well Abandoned -----			
MW-3		02/14/94	17.45	6.58	10.87
	04/22/94		6.72	10.73	
	07/25/94		6.95	10.50	
	02/09/95		5.14	12.31	
	08/17/95	----- Well Abandoned -----			
MW-4	02/14/94	18.08	6.70	11.38	
	04/22/94		6.86	11.22	
	07/25/94		7.23	10.85	
	02/09/95		5.29	12.79	
	08/17/95	----- Well Abandoned -----			
MW-5	02/14/94	17.19	7.33	9.86	
	04/22/94		6.69	10.50	
	07/25/94		6.96	10.23	
	02/09/95		5.45	11.74	
	10/30/95		7.95	9.24	
	01/31/96		5.78	11.41	

Table 1 (continued)  
**Groundwater Elevation Data**

Estate of John B. Henry Property  
 1726 Park Street at Eagle Avenue  
 Alameda, California

Well Number	Date Gauged	Well Elevation (feet, MSL)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)
MW-1	05/12/92	13.57	6.16	7.41
	07/28/92		6.68	6.89
	08/17/92		6.77	6.80
	09/21/92		6.96	6.61
	01/14/93		5.38	8.19
	09/17/93		7.42	6.15
	01/31/94		6.35	7.22
	02/14/94	16.76	6.59	10.17
	04/22/94		6.57	10.19
	07/25/94		6.71	10.05
	02/09/95		5.48	11.28
	08/17/95	----- Well Abandoned -----		
MW-2	05/12/92	14.35	5.94	8.41
	07/28/92		6.80	7.55
	08/17/92		6.94	7.41
	09/21/92		7.19	7.16
	01/14/93		4.82	9.53
	09/17/93		7.64	6.71
	01/31/94		6.50	7.85
	02/14/94	17.51	6.38	11.13
	04/22/94		6.50	11.01
	07/25/94		6.76	10.75
	02/09/95		4.96	12.55
	08/17/95	----- Well Abandoned -----		
MW-3	02/14/94	17.45	6.58	10.87
	04/22/94		6.72	10.73
	07/25/94		6.95	10.50
	02/09/95		5.14	12.31
	08/17/95	----- Well Abandoned -----		
MW-4	02/14/94	18.08	6.70	11.38
	04/22/94		6.86	11.22
	07/25/94		7.23	10.85
	02/09/95		5.29	12.79
	08/17/95	----- Well Abandoned -----		
MW-5	02/14/94	17.19	7.33	9.86
	04/22/94		6.69	10.50
	07/25/94		6.96	10.23
	02/09/95		5.45	11.74
	10/30/95		7.95	9.24
	01/31/96		5.78	11.41

**Table 1 (continued)  
Groundwater Elevation Data**

Estate of John B. Henry Property  
1726 Park Street at Eagle Avenue  
Alameda, California

Well Number	Date Gauged	Well Elevation (feet, MSL)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)
MW-6	02/14/94	16.63	6.61	10.02
	04/22/94		6.69	9.94
	07/25/94		6.80	9.83
	02/09/95		5.73	10.90
	08/17/95	----- Well Abandoned -----		
MW-7	02/14/94	16.24	6.55	9.69
	04/22/94		6.56	9.68
	07/25/94		6.59	9.65
	02/09/95		5.82	10.42
	08/17/95	----- Well Abandoned -----		
MW-8	02/14/94	16.00	6.41	9.59
	04/22/94		6.43	9.57
	07/25/94		6.44	9.56
	02/09/95		5.90	10.10
	10/30/95		7.14	8.86
	01/31/96		5.95	10.05
MW-9	11/15/95	NM	8.05	NM
	01/31/96	16.30	5.80	10.50
MSL = Mean sea level				
TOC = Top of casing				
NM = Not measured				

Table 2  
**Groundwater Analytical Data**  
**Total Purgeable Petroleum Hydrocarbons**  
 (TPPH as Gasoline, BTEX Compounds, TEPH as Diesel, and Oil and Grease)

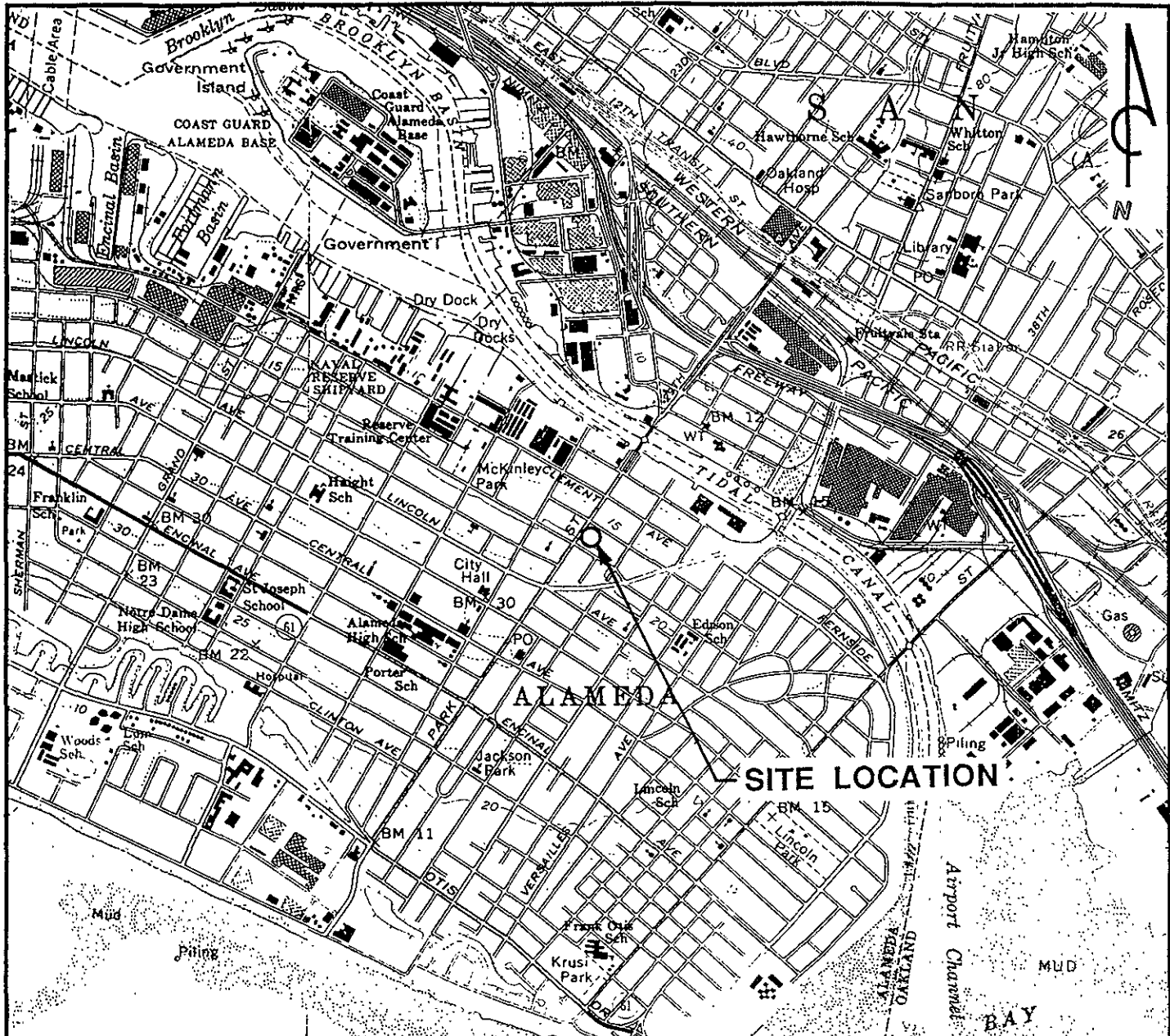
Estate of John B. Henry Property  
 1726 Park Street at Eagle Avenue  
 Alameda, California

Sample ID	Date Sampled	TPPH as			Ethyl- benzene (ppb)	Xylenes (ppb)	TEPH as Diesel (ppb)	Oil and Grease (ppb)
		Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)				
MW-1	05/11/92	410	<0.5	1	4.2	11	96	NA
	08/13/92	260	<0.5	0.6	4.2	4	<50	NA
	01/14/93	270	<0.5	<0.5	1.1	6	<50	NA
	05/10/93	450	1.1	1.1	8.7	15	450	<5
	09/17/93	140	<0.5	<0.5	3.5	5.3	160	NA
	01/31/94	140	<0.5	<0.5	6	1.7	<50	<50
	04/22/94	790	1.9	4.5	11	35	<50	<50
	07/25/94	550	1.2	1.2	8.9	11	310	<200
	02/09/95	1,400	3.4	2.4	21	25	<50	NA
08/17/95	Well Abandoned							
MW-2	05/11/92	<50	<0.5	<0.5	<0.5	<0.5	<50	<5
	08/13/92	<50	<0.5	<0.5	<0.5	<0.5	<50	<5
	01/14/93	<50	<0.5	<0.5	<0.5	<0.5	57	<5
	05/10/93	<50	<0.5	<0.5	<0.5	<0.5	<50	<5
	09/17/93	<50	<0.5	<0.5	<0.5	<0.5	<50	<5
	01/31/94	<50	<0.5	<0.5	<0.5	<0.5	<50	<50
	04/22/94	<50	<0.5	<0.5	<0.5	<0.5	<50	<50
	07/25/94	<50	0.98	1.4	<0.5	1.3	<50	<200
	02/09/95	<50	<0.5	<0.5	<0.5	<0.5	3,500	NA
08/17/95	Well Abandoned							
MW-3	02/15/94	<50	<0.5	<0.5	<0.5	<0.5	<50	<50
	04/22/94	<50	<0.5	<0.5	<0.5	<0.5	<50	<200
	07/25/94	<50	<0.5	0.65	<0.5	<0.5	<50	NA
	02/09/95	<50	<0.5	<0.5	<0.5	<0.5	NA	NA
	08/17/95	Well Abandoned						
MW-4	02/15/94	<50	<0.5	<0.5	<0.5	<0.5	<50	<50
	04/22/94	<50	<0.5	2.5	<0.5	<0.5	<50	NA
	07/25/94	<50	<0.5	<0.5	<0.5	<0.5	NA	NA
	02/09/95	<50	<0.5	<0.5	<0.5	<0.5	NA	NA
	08/17/95	Well Abandoned						
MW-5	02/15/94	<50	<0.5	<0.5	<0.5	<0.5	<50	<50
	04/22/94	1,600	4.1	<0.5	22	230	<50	<50
	07/25/94	400	1.3	0.77	2.5	19	120	<200
	02/09/95	<50	<0.5	<0.5	<0.5	<0.5	<50	NA
	10/30/95	77	<0.5	<0.5	<0.5	1.7	650	NA
	01/31/96	180	0.94	<0.50	2.1	18	190	NT
MW-6	02/15/94	1,100	120	2.2	13	100	NA	NA
	04/22/94	3,800	360	25	420	27	NA	NA
	07/25/94	1,100	110	5.1	190	13	NA	NA
	02/09/95	4,100	490	36	4.2	110	NA	NA

Table 2 (continued)  
**Groundwater Analytical Data**  
**Total Purgeable Petroleum Hydrocarbons**  
(TPPH as Gasoline, BTEX Compounds, TEPH as Diesel, and Oil and Grease)

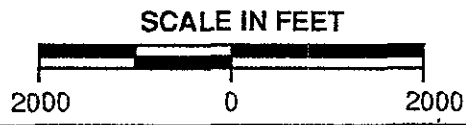
Estate of John B. Henry Property  
1726 Park Street at Eagle Avenue  
Alameda, California


Sample ID	Date Sampled	TPPH as			Ethyl-		TEPH as Diesel (ppb)	Oil and Grease (ppb)
		Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	benzene (ppb)	Xylenes (ppb)		
	08/17/95	Well Abandoned						
MW-7	02/15/94	14,000	3.5	95	4,000	650	NA	NA
	04/22/94	3,400	8.4	6.7	110	600	NA	NA
	07/25/94	2,800	5.4	7.8	100	300	NA	NA
	02/09/95	13,000	20	73	760	2,900	NA	NA
	08/17/95	Well Abandoned						
MW-8	02/15/94	1,300	15	<0.5	110	23	NA	NA
	04/22/94	500	5	<0.5	17	20	NA	NA
	07/25/94	260	11	0.57	1.5	1.8	NA	NA
	02/09/95	820	35	4.3	26	21	NA	NA
	10/30/95	180	2.6	0.88	1.4	0.54	NT	NT
	01/31/96	87	1.7	<0.50	<0.50	<0.50	160	NT
MW-9	11/15/95	1,200	3.6	<1.2	27	37	NT	NT
	01/31/96	<50	<0.50	<0.50	<0.50	0.91	<50	NT
TEPH = Total extractable petroleum hydrocarbons ppb = Parts per billion NA = Not available or applicable NT = Not tested								



QUADRANGLE LOCATION

**REFERENCES:**  
 USGS 7.5 MIN. TOPOGRAPHIC MAP  
 TITLED: OAKLAND WEST, CALIFORNIA  
 DATED: 1959 REVISED: 1980  
 TITLED: OAKLAND EAST, CALIFORNIA  
 DATED: 1959 REVISED: 1980

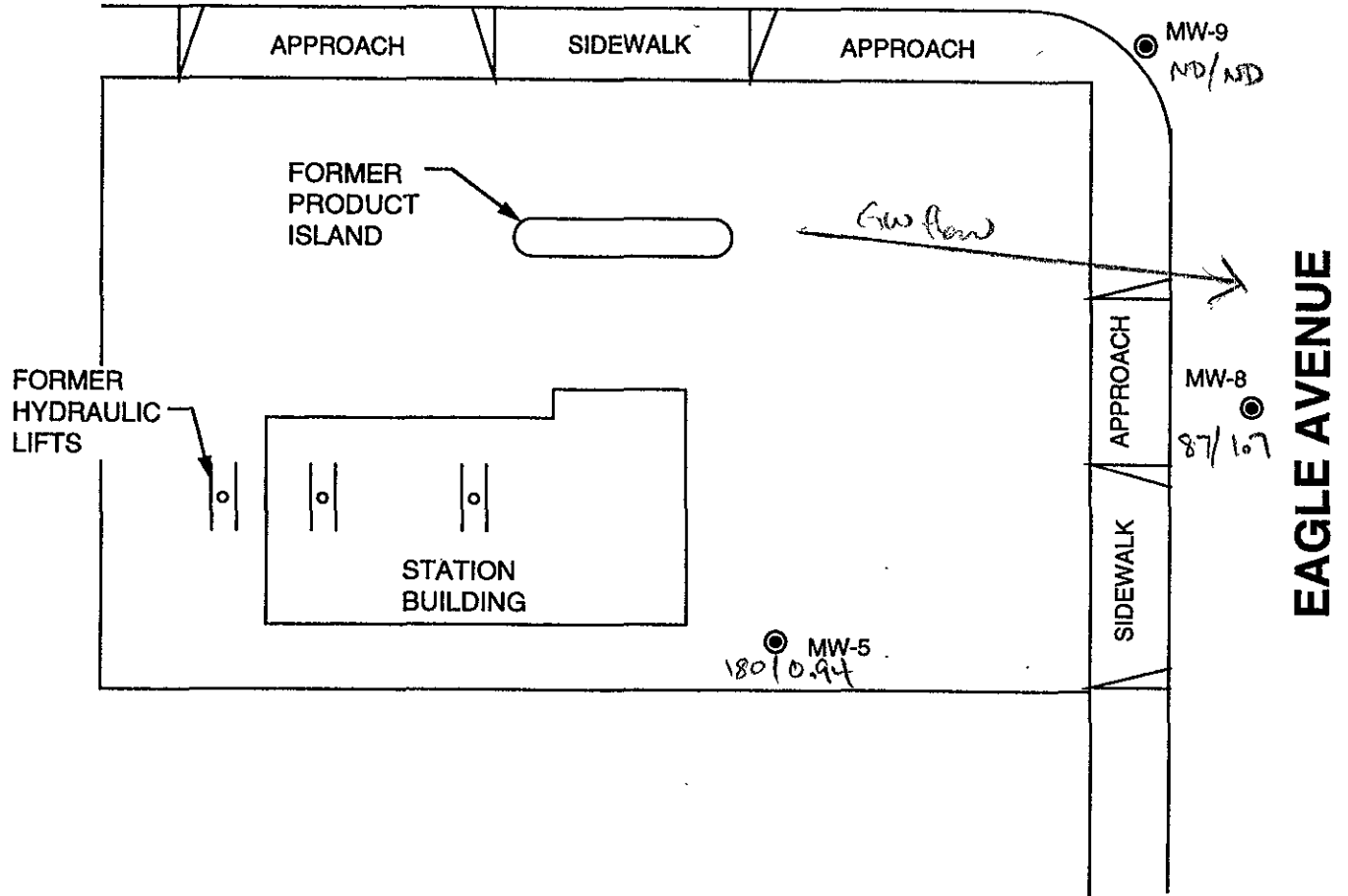


 <p>PACIFIC ENVIRONMENTAL GROUP, INC.</p>	<p><b>ESTATE OF JOHN B. HENRY PROPERTY</b>          1726 Park Street at Eagle Avenue          Alameda, California</p>	<p>FIGURE:  <b>1</b>          PROJECT:          286-001.4C</p>
	<p><b>SITE LOCATION MAP</b></p>	





# PARK STREET

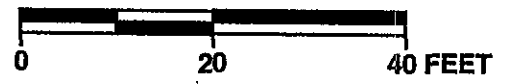


### LEGEND

MW-5 ● GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION

*ppb TPHg / benzene  
1/31/96*

### SCALE



PACIFIC ENVIRONMENTAL GROUP, INC.

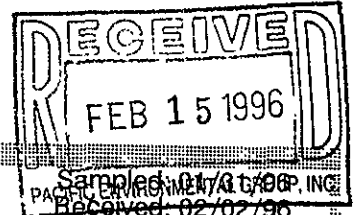
ESTATE OF JOHN B. HENRY PROPERTY  
1726 Park Street at Eagle Avenue  
Alameda, California

SITE MAP

FIGURE:  
**2**  
PROJECT:  
286-001.4C

**ATTACHMENT A**

**CERTIFIED ANALYTICAL REPORTS AND  
CHAIN-OF-CUSTODY DOCUMENTATION**



Pacific Environmental Group  
2025 Gateway Place, Suite 440  
San Jose, CA 95110

Client Proj. ID: 286-001.4C/Alameda  
Sample Descript: MW-5  
Matrix: LIQUID  
Analysis Method: EPA 8015 Mod  
Lab Number: 9602220-01

Sampled: 01/01/96  
Received: 02/02/96  
Extracted: 02/07/96  
Analyzed: 02/08/96  
Reported: 02/14/96

Attention: Lance Geselbracht

GC Batch Number: GC0207960HBPEXB  
Instrument ID: GCHP5B

### Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel Unidentified HC	50	190 C9-C24
Surrogates	Control Limits %	% Recovery
n-Pentacosane (C25)	50                      150	126

analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Claudia Hirotsu  
Project Manager





Pacific Environmental Group  
2025 Gateway Place, Suite 440  
San Jose, CA 95110

Client Proj. ID: 286-001.4C/Alameda  
Sample Descript: MW-5  
Matrix: LIQUID  
Analysis Method: 8015Mod/8020  
Lab Number: 9602220-01

Sampled: 01/31/96  
Received: 02/02/96  
Analyzed: 02/06/96  
Reported: 02/14/96

Attention: Lance Geselbracht

C Batch Number: GC020696BTEX21A  
Instrument ID: GCHP21

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX**

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	180
Benzene	0.50	0.94
Toluene	0.50	N.D.
Ethyl Benzene	0.50	2.1
Xylenes (Total)	0.50	18
Chromatogram Pattern:		Gas
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	96

analytes reported as N.D. were not present above the stated limit of detection.

**EQUOIA ANALYTICAL** - ELAP #1210

Claudia Hirotsu  
Project Manager





Pacific Environmental Group 2025 Gateway Place, Suite 440 San Jose, CA 95110	Client Proj. ID: 286-001.4C/Alameda Sample Descript: MW-8 Matrix: LIQUID Analysis Method: EPA 8015 Mod Lab Number: 9602220-02	Sampled: 01/31/96 Received: 02/02/96 Extracted: 02/07/96 Analyzed: 02/08/96 Reported: 02/14/96
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QC Batch Number: GC0207960HBPEXB  
Instrument ID: GCHP5B

**Total Extractable Petroleum Hydrocarbons (TEPH)**

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel Unidentified HC	50	160 C9-C24
Surrogates	Control Limits %	% Recovery
n-Pentacosane (C25)	50                      150	123

Analyses reported as N.D. were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL - ELAP #1210**

Claudia Hirotsu  
Project Manager





Pacific Environmental Group  
2025 Gateway Place, Suite 440  
San Jose, CA 95110

Client Proj. ID: 286-001.4C/Alameda  
Sample Descript: MW-8  
Matrix: LIQUID  
Analysis Method: 8015Mod/8020  
Lab Number: 9602220-02

Sampled: 01/31/96  
Received: 02/02/96  
Analyzed: 02/06/96  
Reported: 02/14/96

Attention: Lance Geselbracht

GC Batch Number: GC020696BTEX20A  
Instrument ID: GCHP20

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX**

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	87
Benzene	0.50	1.7
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Weathered Gas		C6-C12
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	85

analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Claudia Hirotsu  
Project Manager





Pacific Environmental Group  
2025 Gateway Place, Suite 440  
San Jose, CA 95110

Client Proj. ID: 286-001.4C/Alameda  
Sample Descript: MW-9  
Matrix: LIQUID  
Analysis Method: EPA 8015 Mod  
Lab Number: 9602220-03

Sampled: 01/31/96  
Received: 02/02/96  
Extracted: 02/07/96  
Analyzed: 02/08/96  
Reported: 02/14/96

Attention: Lance Geselbracht

QC Batch Number: GC0207960HBPEXB  
Instrument ID: GCHP5A

### Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	N.D.
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
n-Pentacosane (C25)	50 150	111

analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Claudia Hirotsu  
Project Manager





Pacific Environmental Group  
2025 Gateway Place, Suite 440  
San Jose, CA 95110

Client Proj. ID: 286-001.4C/Alameda  
Sample Descript: MW-9  
Matrix: LIQUID  
Analysis Method: 8015Mod/8020  
Lab Number: 9602220-03

Sampled: 01/31/96  
Received: 02/02/96  
Analyzed: 02/06/96  
Reported: 02/14/96

Attention: Lance Geselbracht

GC Batch Number: GC020696BTEX21A  
Instrument ID: GCHP21

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX**

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	0.91

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	93

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Claudia Hirotsu  
Project Manager







Pacific Environmental Group  
2025 Gateway Place, Suite 440  
San Jose, CA 95110

Client Proj. ID: 286-001.4C/Alameda  
Sample Descript: TB-1  
Matrix: LIQUID  
Analysis Method: 8015Mod/8020  
Lab Number: 9602220-04

Sampled: 01/31/96  
Received: 02/02/96  
Analyzed: 02/06/96  
Reported: 02/14/96

Attention: Lance Geselbracht

GC Batch Number: GC020696BTEX20A  
Instrument ID: GCHP20

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	91

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Claudia Hirotsu  
Project Manager





Pacific Environmental Group  
2025 Gateway Place, Suite 440  
San Jose, CA 95110

Client Project ID: 286-001.4C/Alameda  
Matrix: LIQUID

Attention: Lance Geselbracht

Work Order #: 9602220 01-03

Reported: Feb 14, 1996

### QUALITY CONTROL DATA REPORT

<b>Analyte:</b>	Diesel
<b>QC Batch#:</b>	GC0207960HBPEXB
<b>Analy. Method:</b>	EPA 8015M
<b>Prep. Method:</b>	EPA 3510

**Analyst:** J. Minkel  
**MS/MSD #:** 960222002  
**Sample Conc.:** 160  
**Prepared Date:** 2/7/96  
**Analyzed Date:** 2/8/96  
**Instrument I.D.#:** GCHP5B  
**Conc. Spiked:** 1000 µg/L

**Result:** 970  
**MS % Recovery:** 81

**Dup. Result:** 1000  
**MSD % Recov.:** 84

**RPD:** 3.0  
**RPD Limit:** 0-50

**LCS #:** BLK020796

**Prepared Date:** 2/7/96  
**Analyzed Date:** 2/8/96  
**Instrument I.D.#:** GCHP5B  
**Conc. Spiked:** 1000 µg/L

**LCS Result:** 870  
**LCS % Recov.:** 87

<b>MS/MSD</b>	
<b>LCS</b>	38-122
<b>Control Limits</b>	

**Please Note:**

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

**SEQUOIA ANALYTICAL**

Claudia Hirotsu  
Project Manager





Pacific Environmental Group  
2025 Gateway Place, Suite 440  
San Jose, CA 95110  
Attention: Lance Geselbracht

Client Project ID: 286-001.4C/Alameda  
Matrix: LIQUID  
Work Order #: 9602220 01, 03

Reported: Feb 14, 1996

**QUALITY CONTROL DATA REPORT**

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC020696BTEX21A	GC020696BTEX21A	GC020696BTEX21A	GC020696BTEX21A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	J. Woo	J. Woo	J. Woo	J. Woo
MS/MSD #:	9601J1502	9601J1502	9601J1502	9601J1502
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	2/6/96	2/6/96	2/6/96	2/6/96
Analyzed Date:	2/6/96	2/6/96	2/6/96	2/6/96
Instrument I.D.#:	GCHP21	GCHP21	GCHP21	GCHP21
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	10	10	10	30
MS % Recovery:	100	100	100	100
Dup. Result:	10	10	10	31
MSD % Recov.:	100	100	100	103
RPD:	0.0	0.0	0.0	3.3
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:	BLK020696	BLK020696	BLK020696	BLK020696
Prepared Date:	2/6/96	2/6/96	2/6/96	2/6/96
Analyzed Date:	2/6/96	2/6/96	2/6/96	2/6/96
Instrument I.D.#:	GCHP21	GCHP21	GCHP21	GCHP21
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Result:	9.9	9.6	9.2	28
LCS % Recov.:	99	96	92	93

MS/MSD LCS Control Limits	70-130	70-130	70-130	70-130
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Please Note:

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SEQUOIA ANALYTICAL

*Claudia Hirotsu*

Claudia Hirotsu  
Project Manager

\*\* MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

.9602220.PPP <2>





Pacific Environmental Group  
2025 Gateway Place, Suite 440  
San Jose, CA 95110

Client Project ID: 286-001.4C/Alameda  
Matrix: LIQUID

Attention: Lance Geselbracht

Work Order #: 9602220 02, 04

Reported: Feb 14, 1996

**QUALITY CONTROL DATA REPORT**

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC020696BTEX20A	GC020696BTEX20A	GC020696BTEX20A	GC020696BTEX20A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	J. Woo	J. Woo	J. Woo	J. Woo
MS/MSD #:	9601J1502	9601J1502	9601J1502	9601J1502
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	2/6/96	2/6/96	2/6/96	2/6/96
Analyzed Date:	2/6/96	2/6/96	2/6/96	2/6/96
Instrument I.D.#:	GCHP20	GCHP20	GCHP20	GCHP20
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	11	11	10	31
MS % Recovery:	110	110	100	103
Dup. Result:	9.9	9.3	9.8	29
MSD % Recov.:	99	93	98	97
RPD:	11	17	2.0	6.7
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:	BLK020696	BLK020696	BLK020696	BLK020696
Prepared Date:	2/6/96	2/6/96	2/6/96	2/6/96
Analyzed Date:	2/6/96	2/6/96	2/6/96	2/6/96
Instrument I.D.#:	GCHP20	GCHP20	GCHP20	GCHP20
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Result:	10	9.9	10	30
LCS % Recov.:	100	99	100	100

MS/MSD LCS Control Limits	70-130	70-130	70-130	70-130
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**Please Note:**

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

**SEQUOIA ANALYTICAL**

*Claudia Hirotsu*

Claudia Hirotsu  
Project Manager

\*\* MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

9602220.PPP <3>



SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: PEG  
 REC. BY (PRINT): Krause

WORKORDER: 980220  
 DATE OF LOG-IN: 2/2/96

CIRCLE THE APPROPRIATE RESPONSE		LAB SAMPLE #	DASH #	CLIENT IDENTIFICATION	CONTAINER DESCRIPTION	SAMPLE MATRIX	DATE SAMP.	REMARKS: CONDITION(ETC.)
1. Custody Seal(s)	Present / <u>Absent</u> Intact / Broken*	1	a-e	MW5	3vca	liq	1/31	
2. Custody Seal Nos.:	Put in Remarks Section		2	↓	2amber	↓	↓	
3. Chain-of-Custody Records:	<u>Present</u> / Absent*	2	e-e	MW8	same	↓	↓	
4. Traffic Reports or Packing List:	Present / <u>Absent</u>	3	f	MW9	↓	↓	↓	
5. Airbill:	Airbill / Sticker Present / <u>Absent</u>	4	a-b	TB-1	2vca	↓	↓	
6. Airbill No.:								
7. Sample Tags:	<u>Present</u> / Absent*							
8. Sample Condition:	<u>Intact</u> / Broken* / Leaking*							
9. Does information on custody reports, traffic reports and sample tags agree?	<u>Yes</u> / No*							
10. Proper preservatives used:	<u>Yes</u> / No*							
11. Date Rec. at Lab:	<u>2/2/96</u>							
12. Temp. Rec. at Lab:	<u>10°C</u>							
13. Time Rec. at Lab:	<u>1139</u>							

*[Handwritten signature and initials across the table grid]*

\* if Circled, contact Project manager and attach record of resolution

# Chain of Custody

Pacific Environmental Group, Inc.  
2025 Gateway Place #440, San Jose CA 95110  
Phone 408 441 7790 Fax 408 441 7539

PROJECT No. 286-001-2A 4C

Facility No. ~

Facility Address: 1726 PARK ST. ALAMEDA CA

Billing Reference Number: 31136

CLIENT engineer: STATE CT - JOHN HEURY

PACIFIC Point of Contact: CAROL GERBER

Laboratory Name: TEQUILA

Sample I.D.	Cont. No.	Container Size (ml)	Sample Preserv.	Matrix		Sampling Date	Sampling Time	Analytes										Comments					
				W=water	G=grab			S=soil	D=disc.	A=air	C=comp.	BTEX/ VPHgas (8015/8020)	TPH Diesel (8015)	Oil and Grease (5520)	Total Dislvd. Metals	VOC (EPA 624/8240)	SVOC (EPA 627/8270)		HVOC (EPA 601/8010)				
Nw 5	3	40ml	HCL	W	G	1-31-96	11:05	X														1	
Nw 5	2	1L	NP				1		X														2
Nw 8	3	40ml	HCC				11:40	X															2
Nw 8	2	1L	NP				1		X														
Nw 9	3	40ml	HCC				11:20	X															3
Nw 9	2	1L	NP				1		X														
TB-1	2	40ml	HCL	X	X		NA	X															4

9602220

and C1

Condition of Sample:

Temperature Received:

Mail original Analytical Report to:

Turnaround Time:

Relinquished by

Date: 1-31-96 Time: 14:45

Received by

Monda Ne Jung

Date: 2-31-96 Time: 245

2025 Gateway Place #440

San Jose, CA 95110

Relinquished by

Monda Ne Jung

Date: 2/2/96 Time: 10:45 am

Received by

S. Rao

Date: 2/2/96 Time: 10:45 am

620 Contra Costa Blvd. #209

Pleasant Hill, CA 94523

Relinquished by

Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received by

Date: \_\_\_\_\_ Time: \_\_\_\_\_

25725 Jeronimo Rd. #576C

Mission Viejo, CA 92622

Relinquished by

Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received by laboratory

Y Kan

Date: 2/2/96 Time: 11:39

4020 148th Ave NE #B

Redmond, WA 98052

Priority Rush (1 day)

Rush (2 days)

Expedited (5 days)

Standard (10 days)

As Contracted