



PACIFIC
ENVIRONMENTAL
GROUP, INC.

ENVIRONMENTAL
PROTECTION
96 MAY 15 PM 1:50

May 14, 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 - Second 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 second 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.

May 14, 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 May 3, 1996. Groundwater elevation data are presented in Table 1.

Groundwater Analytical Results

Groundwater samples were collected on May 3, 1996 for the second 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
	05/03/96		6.20	10.99

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	05/03/96		6.00	10.00
	11/15/95	NM	8.05	NM
	01/31/96	16.30	5.80	10.50
	05/03/96		5.70	10.60
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)

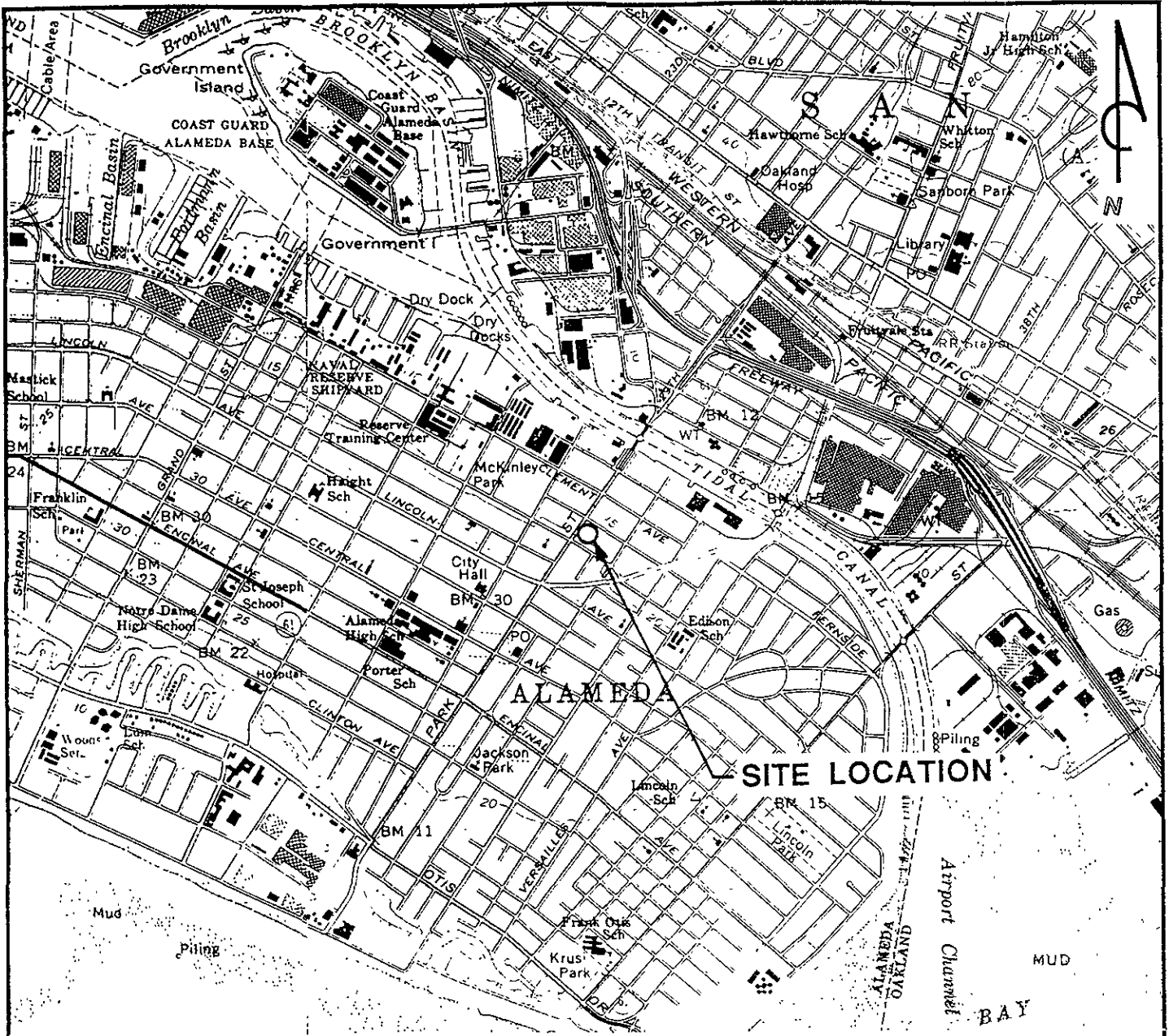
Estate of John B. Henry Property
 1726 Park Street at Eagle Avenue
 Alameda, California

Sample ID	Date Sampled	TPPH as			Ethyl-benzene (ppb)	Xylenes (ppb)	TEPH as Diesel (ppb)	Oil and Grease (ppb)	MtBE (ppb)
		Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)					
MW-1	05/11/92	410	<0.5	1	4.2	11	96	NA	NT
	08/13/92	260	<0.5	0.6	4.2	4	<50	NA	NT
	01/14/93	270	<0.5	<0.5	1.1	6	<50	NA	NT
	05/10/93	450	1.1	1.1	8.7	15	450	<5	NT
	09/17/93	140	<0.5	<0.5	3.5	5.3	160	NA	NT
	01/31/94	140	<0.5	<0.5	6	1.7	<50	<50	NT
	04/22/94	790	1.9	4.5	11	35	<50	<50	NT
	07/25/94	550	1.2	1.2	8.9	11	310	<200	NT
	02/09/95	1,400	3.4	2.4	21	25	<50	NA	NT
08/17/95	----- Well Abandoned -----								
MW-2	05/11/92	<50	<0.5	<0.5	<0.5	<0.5	<50	<5	NT
	08/13/92	<50	<0.5	<0.5	<0.5	<0.5	<50	<5	NT
	01/14/93	<50	<0.5	<0.5	<0.5	<0.5	57	<5	NT
	05/10/93	<50	<0.5	<0.5	<0.5	<0.5	<50	<5	NT
	09/17/93	<50	<0.5	<0.5	<0.5	<0.5	<50	<5	NT
	01/31/94	<50	<0.5	<0.5	<0.5	<0.5	<50	<50	NT
	04/22/94	<50	<0.5	<0.5	<0.5	<0.5	<50	<50	NT
	07/25/94	<50	0.98	1.4	<0.5	1.3	<50	<200	NT
	02/09/95	<50	<0.5	<0.5	<0.5	<0.5	3,500	NA	NT
08/17/95	----- Well Abandoned -----								
MW-3	02/15/94	<50	<0.5	<0.5	<0.5	<0.5	<50	<50	NT
	04/22/94	<50	<0.5	<0.5	<0.5	<0.5	<50	<200	NT
	07/25/94	<50	<0.5	0.65	<0.5	<0.5	<50	NA	NT
	02/09/95	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NT
	08/17/95	----- Well Abandoned -----							
MW-4	02/15/94	<50	<0.5	<0.5	<0.5	<0.5	<50	<50	NT
	04/22/94	<50	<0.5	2.5	<0.5	<0.5	<50	NA	NT
	07/25/94	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NT
	02/09/95	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NT
	08/17/95	----- Well Abandoned -----							
MW-5	02/15/94	<50	<0.5	<0.5	<0.5	<0.5	<50	<50	NT
	04/22/94	1,600	4.1	<0.5	22	230	<50	<50	NT
	07/25/94	400	1.3	0.77	2.5	19	120	<200	NT
	02/09/95	<50	<0.5	<0.5	<0.5	<0.5	<50	NA	NT
	10/30/95	77	<0.5	<0.5	<0.5	1.7	650	NA	NT
	01/31/96	180	0.94	<0.50	2.1	18	190	NT	NT
	05/03/96	240	<0.50	<0.50	8.6	14	150	NT	<2.5
MW-6	02/15/94	1,100	120	2.2	13	100	NA	NA	NT
	04/22/94	3,800	360	25	420	27	NA	NA	NT
	07/25/94	1,100	110	5.1	190	13	NA	NA	NT

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

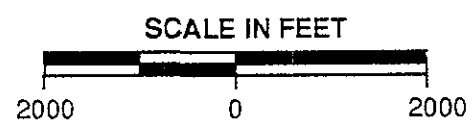
Estate of John B. Henry Property
 1726 Park Street at Eagle Avenue
 Alameda, California


Sample ID	Date Sampled	TPPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	TEPH as Diesel (ppb)	Oil and Grease (ppb)	MtBE (ppb)
MW-6	02/09/95	4,100	490	36	4.2	110	NA	NA	NT
(cont.)	08/17/95	----- Well Abandoned -----							
MW-7	02/15/94	14,000	3.5	95	4,000	650	NA	NA	NT
	04/22/94	3,400	8.4	6.7	110	600	NA	NA	NT
	07/25/94	2,800	5.4	7.8	100	300	NA	NA	NT
	02/09/95	13,000	20	73	760	2,900	NA	NA	NT
	08/17/95	----- Well Abandoned -----							
MW-8	02/15/94	1,300	15	<0.5	110	23	NA	NA	NT
	04/22/94	500	5	<0.5	17	20	NA	NA	NT
	07/25/94	260	11	0.57	1.5	1.8	NA	NA	NT
	02/09/95	820	35	4.3	26	21	NA	NA	NT
	10/30/95	180	2.6	0.88	1.4	0.54	NT	NT	NT
	01/31/96	87	1.7	<0.50	<0.50	<0.50	160	NT	NT
	05/03/96	270	6.6	<0.50	9.3	95	440	NT	6.2
MW-9	11/15/95	1,200	3.6	<1.2	27	37	NT	NT	NT
	01/31/96	<50	<0.50	<0.50	<0.50	0.91	<50	NT	NT
	05/03/96	<50	<0.50	<0.50	<0.50	1.4	<50	NT	<2.5
TPPH = Total purgeable petroleum hydrocarbons TEPH = Total extractable petroleum hydrocarbons ppb = Parts per billion NA = Not available or applicable MtBE = Methyl tert butyl ether NT = Not tested									



QUADRANGLE LOCATION

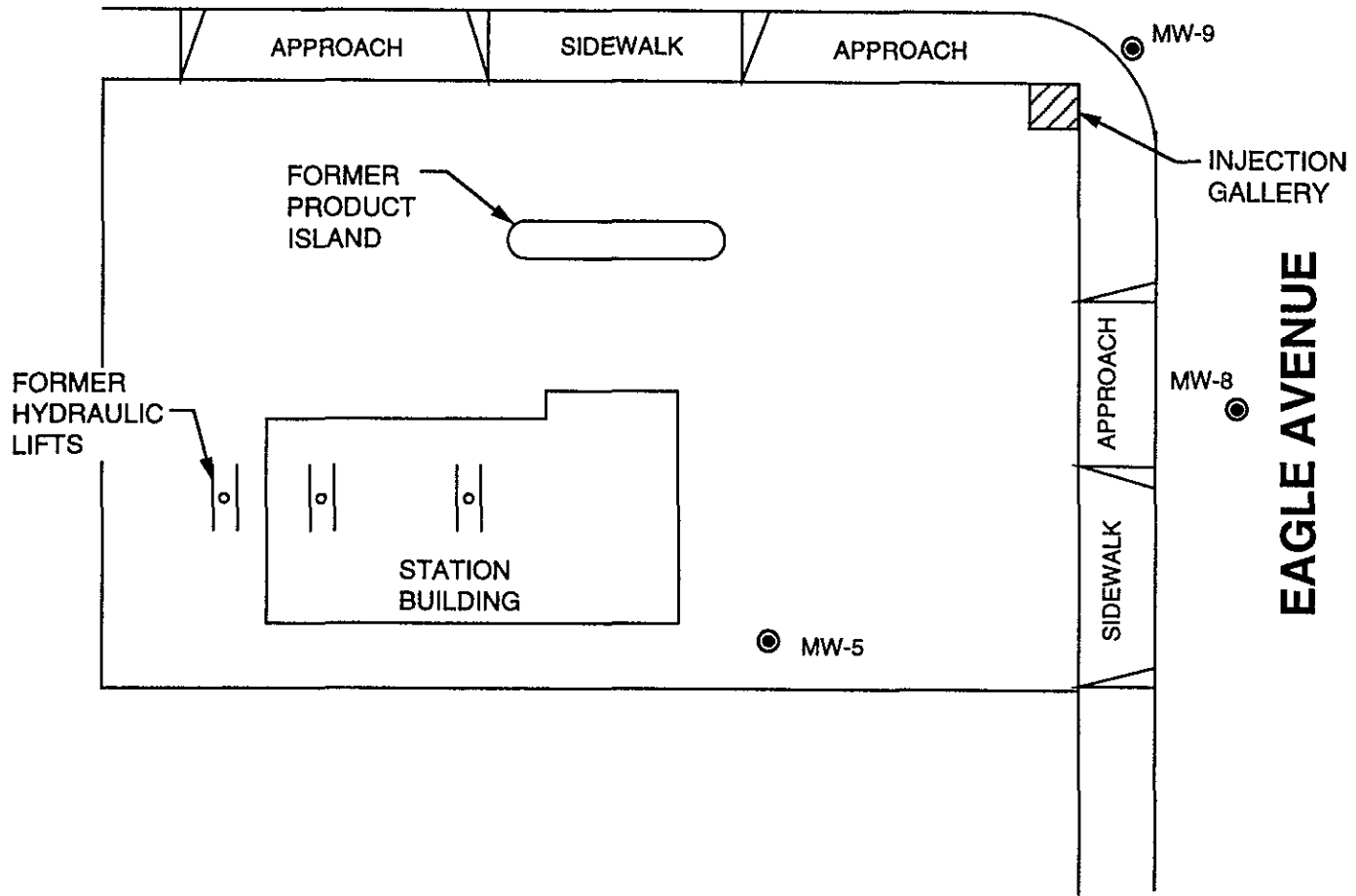
REFERENCES:
 USGS 7.5 MIN. TOPOGRAPHIC MAP
 TITLED: OAKLAND WEST, CALIFORNIA
 DATED: 1959 REVISED: 1980
 TITLED: OAKLAND EAST, CALIFORNIA
 DATED: 1959 REVISED: 1980



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



PARK STREET



LEGEND

MW-5 ● GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION

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	Client Proj. ID: 286-001.4C/John Henry Estate	Sampled: 05/03/96
2025 Gateway Place, Suite 440	Sample Descript: MW5	Received: 05/06/96
San Jose, CA 95110	Matrix: LIQUID	Extracted: 05/07/96
Attention: Keith Winemiller	Analysis Method: EPA 8015 Mod	Analyzed: 05/08/96
	Lab Number: 9605245-01	Reported: 05/08/96

QC Batch Number: GC0502960HBPEXB
Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel Unidentified HC	50	150 C9-C24
Surrogates	Control Limits %	% Recovery
n-Pentacosane (C25)	50 150	116

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/John Henry Estate Sample Descript: MW5 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9605245-01	Sampled: 05/03/96 Received: 05/06/96 Analyzed: 05/08/96 Reported: 05/10/96
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QC Batch Number: GC050896BTEX17A
Instrument ID: GCHP17

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	240
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	8.6
Xylenes (Total)	0.50	14
Chromatogram Pattern:		Gas
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	104

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/John Henry Estate
Sample Descript: MW8
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9605245-02

Sampled: 05/03/96
Received: 05/06/96
Extracted: 05/07/96
Analyzed: 05/08/96
Reported: 05/08/96

QC Batch Number: GC0502960HBPEXB
Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel Unidentified HC	50	440 C9-C24
Surrogates	Control Limits %	% Recovery
n-Pentacosane (C25)	50 150	120

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/John Henry Estate Sample Descript: MW8 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9605245-02	Sampled: 05/03/96 Received: 05/06/96 Analyzed: 05/07/96 Reported: 05/08/96
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QC Batch Number: GC050796BTEX17B
Instrument ID: GCHP17

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	270
Methyl t-Butyl Ether	2.5	6.2
Benzene	0.50	6.6
Toluene	0.50	N.D.
Ethyl Benzene	0.50	9.3
Xylenes (Total)	0.50	95
Chromatogram Pattern:		Gas
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	95

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	Client Proj. ID: 286-001.4C/John Henry Estate	Sampled: 05/03/96
2025 Gateway Place, Suite 440	Sample Descript: MW9	Received: 05/06/96
San Jose, CA 95110	Matrix: LIQUID	Extracted: 05/07/96
Attention: Keith Winemiller	Analysis Method: EPA 8015 Mod	Analyzed: 05/08/96
	Lab Number: 9605245-03	Reported: 05/08/96

QC Batch Number: GC0502960HBPEXB
Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	N.D.
Surrogates	Control Limits %	% Recovery
n-Pentacosane (C25)	50 150	110

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/John Henry Estate Sample Descript: MW9 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9605245-03	Sampled: 05/03/96 Received: 05/06/96 Analyzed: 05/07/96 Reported: 05/08/96
--	--	---

QC Batch Number: GC050796BTEX17B
Instrument ID: GCHP17

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	1.4

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	96

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/John Henry Estate Sample Descript: TB #1 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9605245-04	Sampled: 05/03/96 Received: 05/06/96 Analyzed: 05/07/96 Reported: 05/08/96
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QC Batch Number: GC050796BTEX20A
Instrument ID: GCHP20

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	100

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 Client Project ID: 286-001.4C / John Henry Estate
 2025 Gateway Place, Suite 440 Matrix: LIQUID
 San Jose, CA 95110
 Attention: Keith Winemiller Work Order #: 9605245 01-03 Reported: May 9, 1996

QUALITY CONTROL DATA REPORT

Analyte: Diesel
QC Batch#: GC0502960HBPEXB
Analy. Method: EPA 8015M
Prep. Method: EPA 3510

Analyst: B. Ali
MS/MSD #: 960507301
Sample Conc.: 16000
Prepared Date: 5/2/96
Analyzed Date: 5/5/96
Instrument I.D.#: GCHP5A
Conc. Spiked: 1000 µg/L

Result: 27000
MS % Recovery: 1100

Dup. Result: 9400
MSD % Recov.: 0.0

RPD: 97
RPD Limit: 0-50

LCS #: BLK050796

Prepared Date: 5/7/96
Analyzed Date: 5/7/96
Instrument I.D.#: GCHP5B
Conc. Spiked: 1000 µg/L

LCS Result: 970
LCS % Recov.: 97

MS/MSD 50-150
LCS 60-140
Control Limits

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 Client Project ID: 286-001.4C / John Henry Estate
2025 Gateway Place, Suite 440 Matrix: LIQUID
San Jose, CA 95110
Attention: Keith Winemiller Work Order #: 9605245 04 Reported: May 9, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC050796BTEX20A	GC050796BTEX20A	GC050796BTEX20A	GC050796BTEX20A
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 #:	9604J4004	9604J4004	9604J4004	9604J4004
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	5/7/96	5/7/96	5/7/96	5/7/96
Analyzed Date:	5/7/96	5/7/96	5/7/96	5/7/96
Instrument I.D.#:	GCHP20	GCHP20	GCHP20	GCHP20
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	9.8	10	9.9	29
MS % Recovery:	98	100	99	97
Dup. Result:	9.8	9.8	9.7	29
MSD % Recov.:	98	98	97	97
RPD:	0.0	2.0	2.0	0.0
RPD Limit:	0-25	0-25	0-25	0-25

LCS #:	BLK050796	BLK050796	BLK050796	BLK050796
Prepared Date:	5/7/96	5/7/96	5/7/96	5/7/96
Analyzed Date:	5/7/96	5/7/96	5/7/96	5/7/96
Instrument I.D.#:	GCHP20	GCHP20	GCHP20	GCHP20
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Result:	9.7	9.7	9.7	29
LCS % Recov.:	97	97	97	97

MS/MSD	60-140	60-140	60-140	60-140
LCS	70-130	70-130	70-130	70-130
Control Limits				

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

9605245.PPP <2>





Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attention: Keith Winemiller

Client Project ID: 286-001.4C / John Henry Estate
Matrix: LIQUID

Work Order #: 9605245 02, 03

Reported: May 9, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC050796BTEX17B	GC050796BTEX17B	GC050796BTEX17B	GC050796BTEX17B
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 #:	9604J4010	9604J4010	9604J4010	9604J4010
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	5/7/96	5/7/96	5/7/96	5/7/96
Analyzed Date:	5/7/96	5/7/96	5/7/96	5/7/96
Instrument I.D.#:	GCHP17	GCHP17	GCHP17	GCHP17
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L

Result:	10	11	10	31
MS % Recovery:	100	110	100	103

Dup. Result:	10	10	10	29
MSD % Recov.:	100	100	100	97

RPD:	0.0	9.5	0.0	6.7
RPD Limit:	0-25	0-25	0-25	0-25

LCS #:	BLK050796	BLK050796	BLK050796	BLK050796
Prepared Date:	5/7/96	5/7/96	5/7/96	5/7/96
Analyzed Date:	5/7/96	5/7/96	5/7/96	5/7/96
Instrument I.D.#:	GCHP17	GCHP17	GCHP17	GCHP17
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Result:	10	10	10	31
LCS % Recov.:	100	100	100	103

MS/MSD	60-140	60-140	60-140	60-140
LCS	70-130	70-130	70-130	70-130
Control Limits				

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

9605245.PPP <3>





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

Client Project ID: 286-001.4C / John Henry Estate
Matrix: LIQUID

Attention: Keith Winemiller

Work Order #: 9605245 01

Reported: May 10, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC050896BTEX17A	GC050896BTEX17A	GC050896BTEX17A	GC050896BTEX17A
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 #:	9604K4801	9604K4801	9604K4801	9604K4801
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	5/8/96	5/8/96	5/8/96	5/8/96
Analyzed Date:	5/8/96	5/8/96	5/8/96	5/8/96
Instrument I.D.#:	GCHP17	GCHP17	GCHP17	GCHP17
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L

Result:	9.7	9.8	9.7	29
MS % Recovery:	97	98	97	97

Dup. Result:	9.7	9.8	9.6	28
MSD % Recov.:	97	98	96	93

RPD:	0.0	0.0	1.0	3.5
RPD Limit:	0-25	0-25	0-25	0-25

LCS #:	BLK050896	BLK050896	BLK050896	BLK050896
Prepared Date:	5/8/96	5/8/96	5/8/96	5/8/96
Analyzed Date:	5/8/96	5/8/96	5/8/96	5/8/96
Instrument I.D.#:	GCHP17	GCHP17	GCHP17	GCHP17
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Result:	9.7	9.7	9.8	29
LCS % Recov.:	97	97	98	97

MS/MSD	60-140	60-140	60-140	60-140
LCS	70-130	70-130	70-130	70-130
Control Limits				

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

9605245.PPP <4>



SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

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

WORKORDER: 9605245
 DATE OF LOG-IN: 05/06/96

- CIRCLE THE APPROPRIATE RESPONSE
1. Custody Seal(s) Present / Absent
 Intact / Broken* :
 2. Custody Seal Nos.: Put in Remarks Section
 3. Chain-of-Custody
 Records: Present / Absent*
 4. Traffic Reports or
 Packing List: Present / Absent
 5. Airbill: Airbill / Sticker
 Present / Absent
 6. Airbill No.:
 7. Sample Tags: Present / Absent*
 Sample Tag Nos.: Listed / Not Listed
 on Chain-of-Custody
 8. Sample Condition: Intact / Broken* / Leaking*
 9. Does information on custody
 reports, traffic reports and
 sample tags agree? Yes / No*
 10. Proper preservatives
 used: Yes / No*
 11. Date Rec. at Lab: 5/6/96
 12. Temp. Rec. at Lab: 16°c
 13. Time Rec. at Lab: 1642

LAB SAMPLE #	DASH #	CLIENT IDENTIFICATION	CONTAINER DESCRIPTION	SAMPLE MATRIX	DATE SAMP.	REMARKS: CONDITION(ETC.)
01	A, B	MW 5	2 amber	Lia	5/3/96	
↓	C-E		3 vials			
02	A-C	MW 8	same			
03	↓	MW 9	↓			
14	A, B	TB #1	2 vials			

* 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 0014C

Facility No. HARWIN KATZ

Facility Address: 1726 PARK AT NUNEDA CA

Billing Reference Number: 31445

CLIENT engineer: State of Ohio Henry

PACIFIC Point of Contact: KEITH WILKINSON

Sampler: PEDRO POIZ

Laboratory Name: PEENIA

Sample I.D.	Cont. No.	Container Size (ml)	Sample Preserv.	Matrix	Type	Sampling Date	Sampling Time	Analytes													
								BTEX VPHgas (8015/8020)	TPH Diesel (8015)	Oil and Grease (5520)	Dislvd. Metals	VOC (EPA 624/8240)	SVOC (EPA 627/8270)	HVOC (EPA 601/8010)	Total						
UW5	5	40ml IL	HCC NP	W	G	5/3/96	9:05	X	X												
UW8							9:30														
UW9							9:15														
FB1	2	40ml HCC	NP	W	G	5/3/96	9:15	X	X												

Comments:
Bill Pacific
9605245
01
02
03
04 | of 1

Condition of Sample:

Temperature Received:

Mail original Analytical Report to:
Pacific Environmental Group

Turnaround Time:

Relinquished by

Date 5-6-96 Time 8:00

Received by

Date 5/6/96 Time 8:00

2025 Gateway Place #440
San Jose, CA 95110

Priority Rush (1 day)

Relinquished by

Date 5/6/96 Time 2:05

Received by

Date 5-6-96 Time 2:05

620 Contra Costa Blvd. #209
Pleasant Hill, CA 94523

Rush (2 days) 18hr

Relinquished by

Date 5-6-96 Time 4:40

Received by

Date _____ Time _____

25725 Jeronimo Rd. #576C
Mission Viejo, CA 92622

Expedited (5 days)

Relinquished by

Date _____ Time _____

Received by laboratory

Date 5/6/96 Time 11:40

4020 148th Ave NE #B
Redmond, WA 98052

Standard (10 days)

As Contracted