PACIFIC
ENVIRONMENTAL
GROUP INC.

July 5, 1994
Project 286-001.1A

Estate of John B. Henry
c/o Ms. Elsie Matsuno
Mendelson and Brown
1040 Marina Village Parkway, Suite B
Alameda, California 94501

Re: Site Investigation Report
Estate of John B. Henry Property
1726 Park Street at Eagle Avenue
Alameda, California

Dear Ms. Matsuno:

This report has been prepared by Pacific Environmental Group, Inc. (PACIFIC) for the Estate of John B. Henry (Estate) to document the installation of 6 groundwater monitoring wells (designated MW-3 through M-8) and the drilling of 12 exploratory soil borings (designated B-19 through B-30) at the site referenced above (Figure 1). Drilling and well installation activities were performed on February 9 and 10, 1994 as specified in the *Work Plan* dated November 19, 1993.

This report includes a brief discussion of site background, previous investigations, and the findings of the site investigation. This report also presents the results of a records search to investigate potential off-site sources of petroleum hydrocarbons in the vicinity of the site. The results of the off-site file search and source investigation are presented as Attachment A. A description of the field and laboratory procedures used during the course of this investigation is presented as Attachment B. The boring logs for Monitoring Wells MW-3 through MW-8 and Borings B-19 through B-30 are presented as Attachment C. Certified analytical reports and chain-of-custody documentation are presented as Attachment D. An aerial photograph is presented as Attachment E.

SITE BACKGROUND

The information provided by the Estate and documented in the *Preliminary Subsurface Soils and Groundwater Report* dated August 28, 1992 documents the site is the location of a former gasoline service station. The service station opened during the 1920's and closed in the early 1970's. Facilities on the site have included an enclosed service repair bay, three hydraulic lifts, an underground fuel storage tank complex, one product dispenser island, and an underground waste oil storage tank (Figure 2). In the early 1970's, the underground fuel storage tanks were removed from the site. Records indicate that an underground fuel storage tank complex was located in the eastern portion of the site. The position and number of fuel storage tanks removed from the site is unknown.

After the service station closed in the early 1970's and until 1993, the site was operated as an auto repair shop. The site is currently vacant. The aboveground structures currently on site include the service station building and service repair bay, and the product island with canopy. The subsurface hydraulic lift facilities remain on site at present. Additionally, because the concrete slab in the vicinity of the former product island is intact, it is assumed that at least partial underground product piping remains on site.

PREVIOUS INVESTIGATIONS

In 1991, a site investigation was begun on the site by TMC Environmental, Inc. In August 1991 seven soil borings were drilled. In December 1991, a 500-gallon waste oil tank located in the southwest portion of the site was removed. Two samples analyzed from the base of the waste oil tank excavation were non-detect for petroleum hydrocarbons.

In 1992, 11 additional soil borings were drilled and 2 groundwater monitoring wells were installed. During the initial investigation, selected soil and groundwater samples were analyzed for total petroleum hydrocarbons calculated as gasoline (TPH-g), benzene, toluene, ethlybenzene, xylenes (BTEX compounds), TPH calculated as diesel (TPH-d), total oil and grease (TOG), halogenated volatile organic compounds (HVOCs), and volatile organic compounds (VOCs).

Concentrations of TPH-g in soil ranged from non-detectable to 1,300 parts per million (ppm). The maximum concentration of TPH-g in soil was detected in a sample collected at the depth of approximately 5.5 feet below ground surface (bgs) in the vicinity of the former underground fuel storage tank complex. Concentrations of TPH-d in soil ranged from non-detectable to 2,000 ppm. TOG in soil ranged from non-detectable to 1,800 ppm. The maximum concentration of TOG

was detected in a sample collected at the depth of approximately 0.5 foot bgs in the area of the former waste oil tank. Concentrations of TPH-d and TOG were found at 2,000 and 1,500 ppm, respectively, in a sample collected at the depth of approximately 7.5 feet bgs near the hydraulic hoist located west of the former waste oil tank. HVOCs in soil were non-detectable in all samples analyzed. VOCs (49 ppm acetone and 11 ppm 2-butanone) were detected in soils at the depth of 6.5 feet bgs near the northeast boundary of the site.

The initial groundwater sampling event documented dissolved TPH-g and TPH-d in Well MW-2 at 410 and 96 part per billion (ppb), respectively. Well MW-1 was non-detectable for all analytes tested with the exception of 22 ppb chloroform.

FINDINGS OF THE SITE INVESTIGATION

Surface Conditions

The majority of the site is paved with asphaltic pavement, although the station building service repair bay, product island canopy, and former waste oil tank area are underlain by a concrete slab. The surface paving materials are in some areas underlain by baserock fill to a depth of approximately 0.5 foot. The area behind the station building is unpaved and consists of coarse gravel and medium brown to dark brown gravelly sand fill material to a depth of approximately 1 foot.

Subsurface Conditions

Native deposits underlying the site consist of dark brown to gray well-sorted fine sand and clayey sand to a depth of 21 feet bgs (the total depth explored). The well-sorted fine sand was encountered to a depth of approximately 20 feet bgs. At approximately 20 feet bgs, clayey sand was encountered in two of the borings.

Groundwater occurs at an approximate depth of 6.5 to 7.5 feet bgs. Groundwater flow direction, based on data collected on February 14, 1994, flows to the north-east. Groundwater elevation data are presented in Table 1 and groundwater elevation contour data are shown on Figure 3.

Soil Analytical Results

Exploratory soil Borings B-19 through B-30 and MW-3 through MW-8 were drilled and Borings MW-3 through MW-8 were converted to conventional groundwater monitoring wells on February 9 and 10, 1994. Soil samples collected during drilling activities were collected from depths ranging between 3 and 15 feet bgs and submitted to a state-certified laboratory for analysis. On February 14, 1994,

why most at soil/g.w. interface?

an additional soil sample was collected from a depth of 3 feet in the immediate vicinity of Well MW-4 and submitted to a laboratory of analysis. The MW-4-3 sample was collected for the purpose of further investigating impact from an upgradient source.

All soil samples submitted to the laboratory were analyzed for TPH-g and BTEX compounds, with the exception of samples analyzed from the vicinity of the hydraulic hoists. Samples collected from the vicinity of the hydraulic hoists were analyzed for TOG as hydraulic oil. Samples collected from the vicinity of the former underground waste oil storage tank were also analyzed for TPH-d and TOG. Two samples collected from the vicinity of the former waste oil tank were also analyzed for VOCs, semi-volatile organic compounds (SVOCs), cadmium, chromium, nickel, lead, and zinc (metals). Samples from the area of the product island and former underground fuel storage tank complex were also analyzed for ethylene dibromide and tetra ethyl lead.

Soil sample designations, collection depths, collection dates, and the results of laboratory analyses are presented in Tables 2 through 4. Soil boring locations and sample analytical results are shown on Figure 2. Additional information on soil sampling and laboratory procedures are presented as Attachments B and C.

Groundwater Analytical Results

Groundwater samples were collected from Wells MW-1 and MW-2 on January 31, 1994 during the first quarter 1994 groundwater monitoring and sampling event. The groundwater samples for Wells MW-1 and MW-2 were analyzed for TPH-g, BTEX compounds, TPH-d, TOG, and VOCs.

Water levels were collected from all eight wells on February 14, 1994 following well installation and prior to well development activities. Well development and sampling for the newly constructed wells was conducted on February 14, 1994.

The groundwater samples collected from Wells MW-3 through MW-8 were analyzed for TPH-g and BTEX compounds. Samples collected from Well MW-4, located nearest to the former waste oil tank, were also analyzed for TPH-d, TOG, VOCs, and SVOCs. Samples collected from Wells MW-4 and MW-6 were also analyzed for metals. A sample collected from Well MW-6 was also analyzed for organic lead.

Analysis of the groundwater elevation data indicated Well MW-5 was the well located most directly downgradient of the former waste oil tank. Additional

groundwater samples were collected from Well MW-5 on March 8, 1994 and analyzed for TPH-d, TOG, VOCs, SVOC, and metals.

Petroleum hydrocarbons were detected in groundwater samples collected from site Wells MW-1, MW-6, and MW-7 located in the approximate location of the former underground fuel storage tanks, and in Well MW-8 located off site in Eagle Avenue.

Groundwater sample designations, collection dates, and the results of laboratory analyses are presented in Tables 5 through 7. A dissolved hydrocarbon concentration map is shown on Figure 4. Additional information on the groundwater sampling and laboratory procedures are presented as Attachments B and C.

Petroleum Hydrocarbons Off Site In Eagle Avenue

Petroleum hydrocarbons were detected in soils and groundwater analyzed for off-site Well MW-8. At the County's request, the Estate has considered the relationship of the sewer main located in Eagle Avenue to petroleum hydrocarbons detected off site. The sewer main, at a depth of approximately 7.5 feet, is located approximately 13 feet downgradient of Well MW-8 (Alameda County Reference Drawing 5031-11 F.B. 3-58, 6041-31 4-83, p.25). Data are not conclusive as to whether the sewer main has been impacted, or to determine if the sewer main is acting as a conduit for petroleum hydrocarbons.

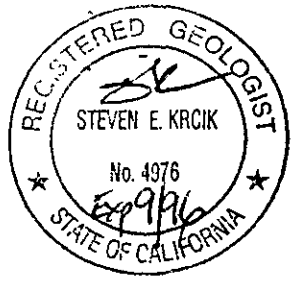
If you have any questions regarding the contents of this report, please call.

Sincerely,

Pacific Environmental Group, Inc.

Lainie Demian
Project Geologist

Steven E. Krcik
Senior Geologist
RG 4976



Attachments:
Table 1 - Groundwater Elevation Data
Table 2 - Soil Analytical Data - Total Petroleum Hydrocarbons (TPH as Gasoline and BTEX Compounds)
Table 3 - Soil Analytical Data - Total Petroleum Hydrocarbons (TPH as Diesel and Total Oil and Grease)
Table 4 - Soil Analytical Data - Volatile Organic Compounds, Semi-Volatile Organic Compounds, Metals, Lead, EDB, and TEL
Table 5 - Groundwater Analytical Data - Total Petroleum Hydrocarbons (TPH as Gasoline and BTEX Compounds)
Table 6 - Groundwater Analytical Data - Total Petroleum Hydrocarbons (TPH as Diesel and Oil and Grease)
Table 7 - Groundwater Analytical Data - Volatile Organic Compounds, Semi-Volatile Organic Compounds, Metals, and Organic Lead
Figure 1 - Site Location Map
Figure 2 - Soil Analytical Results Map
Figure 3 - Groundwater Elevation Contour Map
Figure 4 - TPH-g/Benzene Concentration Map
Figure 1A - Off-Site Source Location Map
Figure 2A - Dissolved TPH-g/Benzene/TPH-d and Kerosene Concentration Map (Off-Site Source)
Attachment A - Off-Site File Search and Source Investigation
Attachment B - Field and Laboratory Procedures
Attachment C - Boring Logs, Well Completion Data, and Well Elevation Survey Data
Attachment D - Certified Analytical Reports and Chain-of-Custody Documentation
Attachment E - Aerial Photograph of the Site Vicinity

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
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
MW-3	02/14/94	17.45	6.58	10.87
MW-4	02/14/94	18.08	6.70	11.38
MW-5	02/14/94	17.19	7.33	9.86
MW-6	02/14/94	16.63	6.61	10.02
MW-7	02/14/94	16.24	6.55	9.69
MW-8	02/14/94	16.00	6.41	9.59

MSL = Mean sea level
TOC = Top of casing

Table 2
Soil Analytical Data
Total Petroleum Hydrocarbons
(TPH as Gasoline and BTEX Compounds)

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

Well Number	Sample Depth (feet)	Date Sampled	TPH as Gasoline (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl-benzene (ppm)	Xylenes (ppm)
B19	3	02/09/94	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
	8		<1.0	<0.0050	<0.0050	<0.0050	<0.0050
B20	3	02/09/94	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
	8		7.4	<0.0050	<0.0050	0.048	0.006
B21	3	02/09/94	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
	8		1.2	<0.0050	<0.0050	<0.0050	<0.0050
	9.5		<1.0	<0.0050	<0.0050	<0.0050	<0.0050
B23	3	02/09/94	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
	8		<1.0	<0.0050	<0.0050	<0.0050	<0.0050
B24	3	02/09/94	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
	8		<1.0	<0.0050	<0.0050	<0.0050	<0.0050
B26	3	02/09/94	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
	8		<1.0	<0.0050	<0.0050	<0.0050	<0.0050
B27	3	02/09/94	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
	6.5		88	<0.0050	<0.0050	1.3	0.09
	11.5		40	0.13	0.18	1.4	0.17
B28	3	02/09/94	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
	5		1,700	4.1	8.6	130	25.0
	8		3,200	8.1	22	320	57
B29	3	02/09/94	2.5	<0.0050	<0.0050	0.017	0.032
	8		480	2.3	1.2	2.3	12
B30	3	02/09/94	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
	8		<1.0	<0.0050	<0.0050	<0.0050	<0.0050
MW3	5	02/10/94	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
	7		<1.0	<0.0050	<0.0050	<0.0050	<0.0050
	10		<1.0	<0.0050	<0.0050	<0.0050	<0.0050
MW4	3	02/14/94	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
	5	02/09/94	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
	8		<1.0	<0.0050	<0.0050	<0.0050	<0.0050
	10		<1.0	<0.0050	<0.0050	<0.0050	<0.0050
MW5	5	02/09/94	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
	7		24	0.05	0.16	0.44	0.053
	10		1.2	0.007	<0.0050	0.31	<0.0050
	15		<1.0	<0.0050	<0.0050	<0.0050	<0.0050
MW6	5	02/09/94	64	0.28	0.23	2.5	1.4
	7		540	2.4	0.38	2.1	13
	10		1.7	0.063	<0.0050	0.008	0.17
	15		<1.0	<0.0050	<0.0050	<0.0050	<0.0050

Table 2 (continued)
Soil Analytical Data
Total Petroleum Hydrocarbons
(TPH as Gasoline and BTEX Compounds)

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

Well Number	Sample Depth (feet)	Date Sampled	TPH as Gasoline (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl-benzene (ppm)	Xylenes (ppm)
MW7	5	02/10/94	<1.0	<0.0050	<0.0050	0.023	<0.0050
	7		410	1.0	0.25	10	1.2
	10		<1.0	<0.0050	<0.0050	0.091	0.014
	15		<1.0	<0.0050	<0.0050	<0.0050	<0.0050
MW8	5	02/09/94	26	0.014	0.023	0.068	0.075
	7		310	2.2	0.14	2.7	1.7
	10		<1.0	<0.0050	<0.0050	<0.0050	<0.0050

ppm = Parts per million

Table 3
Soil Analytical Data
Total Petroleum Hydrocarbons
(TPH as Diesel and Total Oil and Grease)

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

Well Number	Sample Depth (feet)	Date Sampled	TPH as Diesel (ppm)	Total Oil and Grease (ppm)
B-19	3	02/09/94	NA	220 a
	8		<5.0	<50
B-20	3	02/09/94	NA	<50
	8		170 b	160 c
B-21	3	02/09/94	<5.0	<50
	8		<5.0	<50
	9.5		<5.0	<50
B-22	3	02/09/94	NA	<50 a
	8		NA	<50 a
B-24	3	02/09/94	<5.0	120 d
	8		<5.0	<50
B-25	3	02/09/94	<5.0	<50 a
	8		<5.0	<50 a
B-26	3	02/09/94	<5.0	NA
	8		<5.0	NA
B-27	6.5	02/09/94	<5.0	NA
MW-4	3	02/10/94	<5.0	NA
	5		<5.0	NA
	8		<5.0	<50
	10		<5.0	NA
MW-5	5	02/04/94	NA	180 d
	7		NA	<50
	10		NA	<50

ppm = Parts per million
NA = Not analyzed
a. Qualitated as hydraulic oil.
b. Quantified as kerosene.
c. Qualitated as kerosene.
d. Qualitated as waste oil.

Table 4
Soil Analytical Data
Volatile Organic Compounds, Semi-Volatile Organic Compounds
Metals, Lead, EDB, and TEL

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

Well Number	Sample Depth (feet)	VOCs (ppb)	SVOCs (ppb)	Cadmium (ppm)	Chromium (ppm)	Nickel (ppm)	Zinc (ppm)	Lead (ppm)	EDB (ppm)	TEL (ppm)
B-21	8	ND	ND	<0.05	8.6	18	18	3	NA	NA
B-27	6.5	NA	NA	NA	NA	NA	NA	NA	<2.0	<1.0
MW-4	8	ND	ND	<0.05	9.1	17	17	3	NA	NA
MW-6	7	NA	NA	NA	NA	NA	NA	NA	<2.0	<1.0

EDB = Ethylene dibromide
TEL = Tetra ethyl lead
ppb = Parts per billion
ppm = Parts per million
ND = Not detected
NA = Not analyzed

Table 5
Groundwater Analytical Data
Total Petroleum Hydrocarbons
(TPH as Gasoline and BTEX Compounds)

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

Sample ID	Date Sampled	TPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)
MW-1	05/11/92	410	<0.5	1.0	4.2	11
	08/13/92	260	<0.5	0.6	4.2	4.0
	01/14/93	270	<0.5	<0.5	1.1	6.0
	05/10/93	450	1.1	1.1	8.7	15
	09/17/93	140	<0.5	<0.5	3.5	5.3
	01/31/94	140	<0.5	<0.5	6.0	1.7
MW-2	05/11/92	<50	<0.5	<0.5	<0.5	<0.5
	08/13/92	<50	<0.5	<0.5	<0.5	<0.5
	01/14/93	<50	<0.5	<0.5	<0.5	<0.5
	05/10/93	<50	<0.5	<0.5	<0.5	<0.5
	09/17/93	<50	<0.5	<0.5	<0.5	<0.5
	01/31/94	<50	<0.5	<0.5	<0.5	<0.5
MW-3	02/15/94	<50	<0.5	<0.5	<0.5	<0.5
MW-4	02/15/94	<50	<0.5	<0.5	<0.5	<0.5
MW-5	02/15/94	<50	<0.5	<0.5	<0.5	<0.5
MW-6	02/15/94	1,100	120	2.2	13	100
MW-7	02/15/94	14,000	3.5	95	4,000	650
MW-8	02/15/94	1,300	15	<0.5	110	23

ppb = Parts per billion

Table 6
Groundwater Analytical Data
Total Petroleum Hydrocarbons
(TPH as Diesel and Oil and Grease)

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

Sample ID	Date Sampled	TPH as Diesel (ppb)	Oil and Grease (ppb)
MW-1	05/11/92	96	NA
	08/13/92	<50	NA
	01/14/93	<50	NA
	05/10/93	450	<5
	09/17/93	160	NA
	01/31/94	<50	<50
MW-2	05/11/92	<50	<5
	08/13/92	<50	<5
	01/14/93	57	<5
	05/10/93	<50	<5
	09/17/93	<50	<5
	01/31/94	<50	<50
MW-4	02/15/94	<50	<50
MW-5	03/08/94	<50	<50

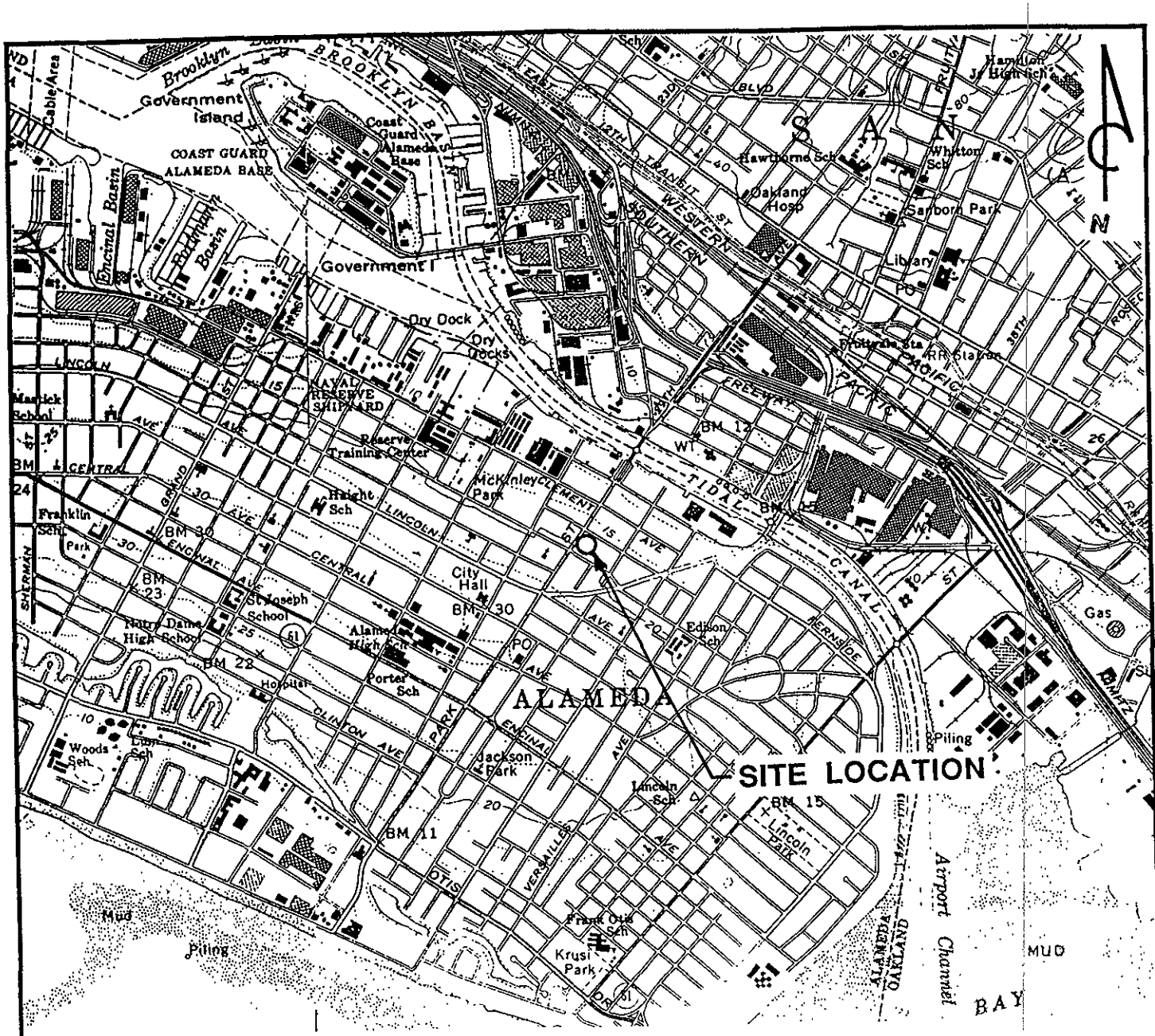
ppb = Parts per billion
NA = Not analyzed

Table 7
Groundwater Analytical Data
Volatile Organic Compounds, Semi-Volatile Organic Compounds, Metals, and Organic Lead

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

Well Number	Date Sampled	VOCs Ethyl-benzene (ppb)	VOCs Total Xylenes (ppb)	SVOCs (ppb)	Cadmium (ppm)	Chromium (ppm)	Nickel (ppm)	Zinc (ppm)	Lead (ppm)	Organic Lead (ppm)
MW-4	02/14/94	ND	ND	NA	NA	NA	NA	NA	NA	NA
MW-5	03/08/94	18	450	ND	<0.05	<0.1	<0.1	<0.05	<0.1	NA
MW-6	02/14/94	NA	NA	NA	NA	NA	NA	NA	NA	<0.1

ppb = Parts per billion
ppm = Parts per million
ND = Not detected
NA = Not analyzed



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

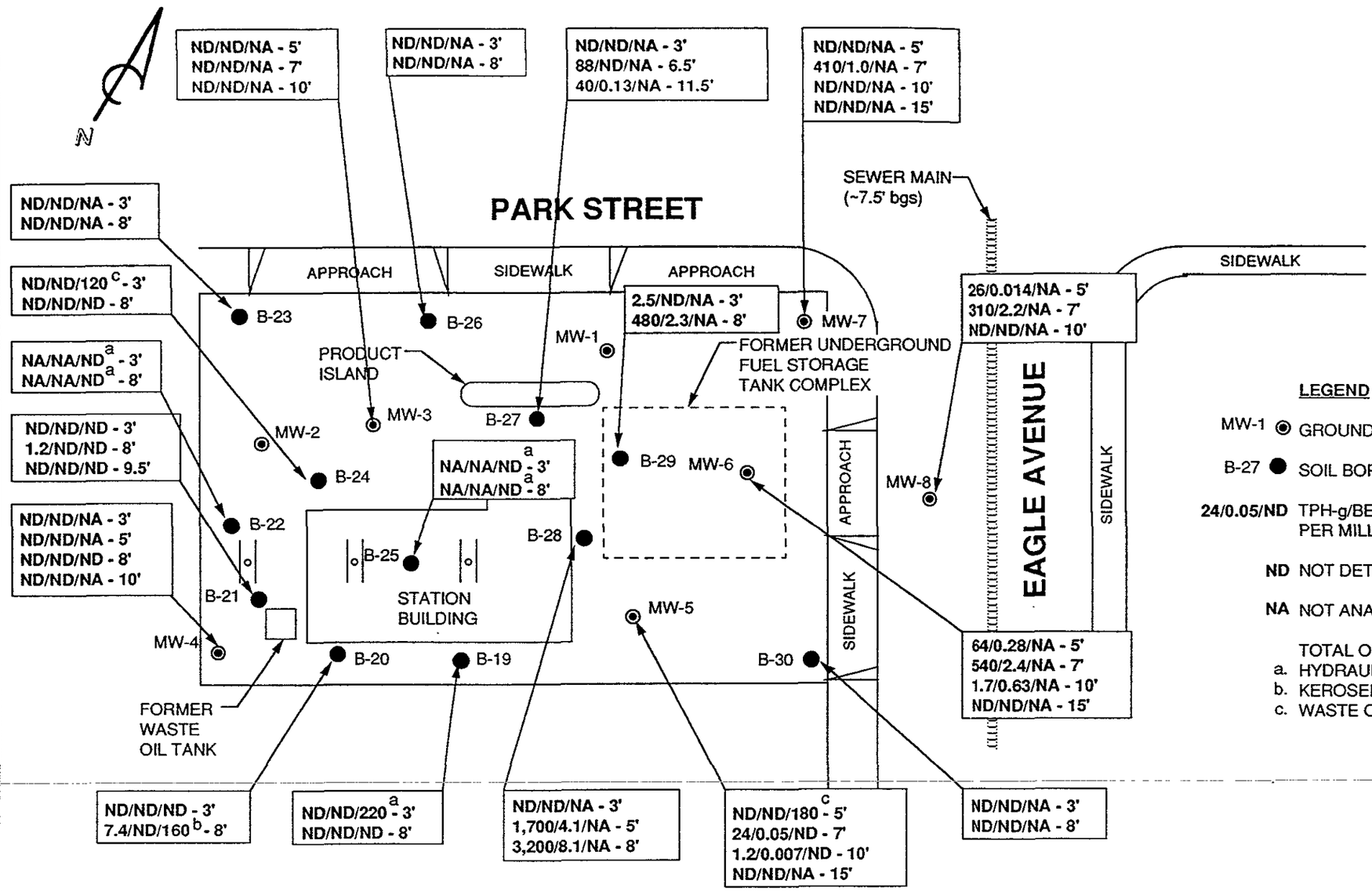
SCALE IN FEET
2000 0 2000

PACIFIC ENVIRONMENTAL GROUP, INC.

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

SITE LOCATION MAP

FIGURE: 1
PROJECT: 286-001.1A



LEGEND

MW-1 ◉ GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION

B-27 ● SOIL BORING LOCATION AND DESIGNATION

24/0.05/ND TPH-g/BENZENE/OIL and GREASE CONCENTRATION IN SOIL, IN PARTS PER MILLION, AT DEPTH INDICATED IN FEET, 2-9-94 and 2-10-94

ND NOT DETECTED

NA NOT ANALYZED

TOTAL OIL AND GREASE CHARACTERISTICS QUALITATED AS FOLLOWS:

a. HYDRAULIC OIL
b. KEROSENE (ALSO QUANTIFIED AS KEROSENE IN DIESEL RANGE)
c. WASTE OIL

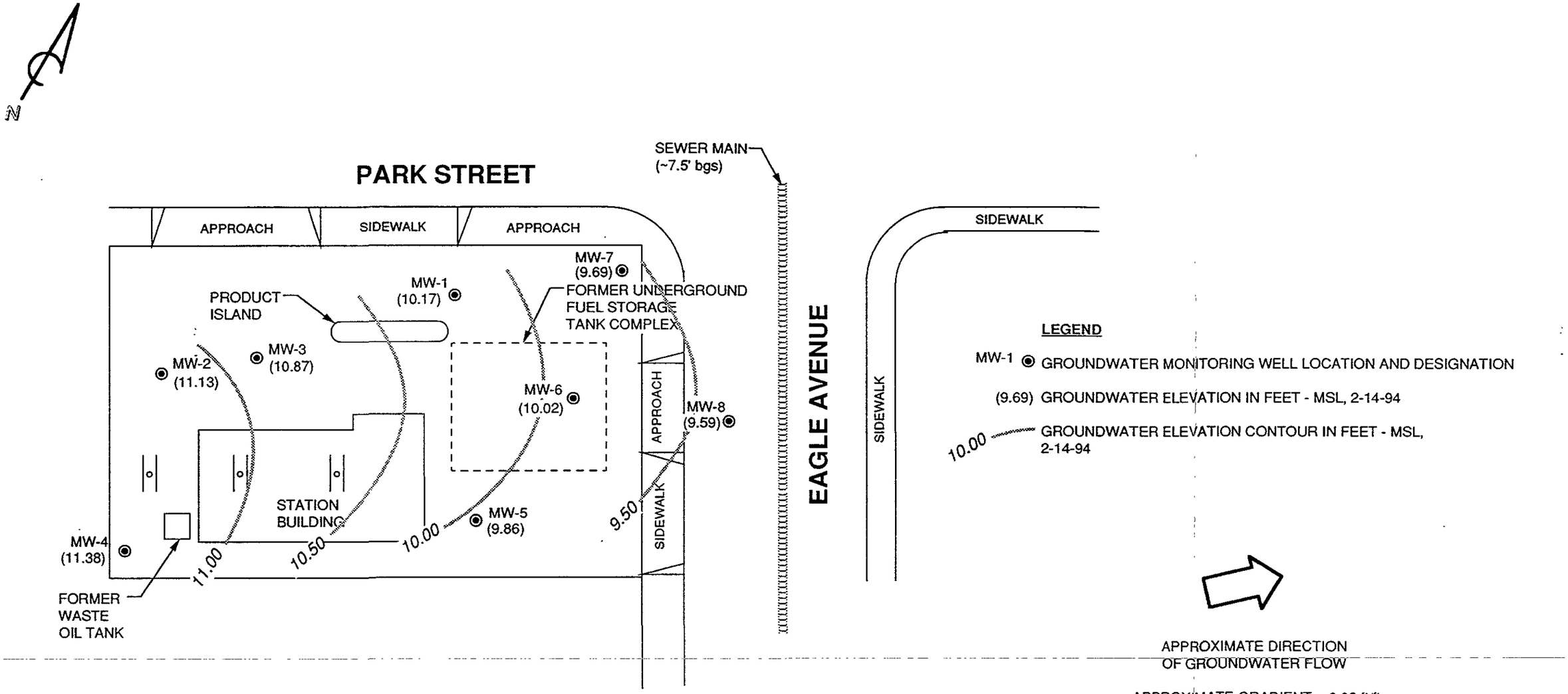
PACIFIC ENVIRONMENTAL GROUP, INC.

SCALE
0 20 40 FEET

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

SOIL ANALYTICAL RESULTS MAP

FIGURE
2
PROJECT
286-001 1A



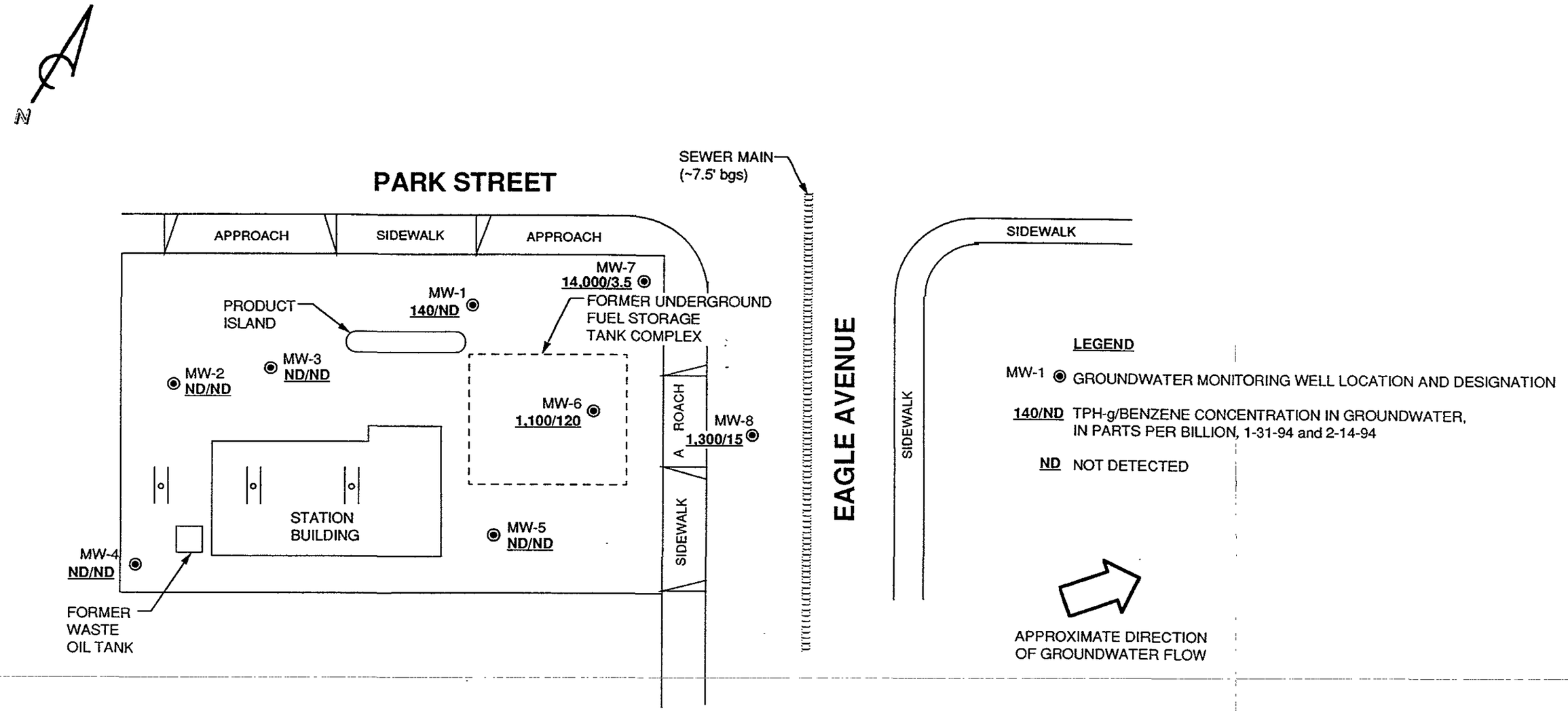
PACIFIC ENVIRONMENTAL GROUP, INC.

SCALE
0 20 40 FEET

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

GROUNDWATER ELEVATON CONTOUR MAP

FIGURE.
3
PROJECT
286-001 1A



PACIFIC ENVIRONMENTAL GROUP, INC.

SCALE
0 20 40 FEET

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

TPH-g/BENZENE CONCENTRATION MAP

FIGURE
4
PROJECT
286-001 1A

ATTACHMENT A

OFF-SITE FILE SEARCH AND SOURCE INVESTIGATION

ATTACHMENT A
OFF-SITE FILE SEARCH AND SOURCE INVESTIGATION

Off-Site Source Investigation

A file search and background investigation for potential off-site sources of petroleum hydrocarbons in the vicinity of the site was conducted. Information was collected from the files of Texaco Refining and Marketing Inc., the California Regional Water Quality Control Board (CRWQCB), the Alameda County Health Care Services Department of Environmental Health (ACDEH), and Pacific Aerial Survey. The file information obtained included materials from the CRWQCB spills, leaks, incidence, and cleanup files, the CRWQCB inspection files, and the Alameda County local oversite program (LOP) files.

The background investigation focused on previous environmental work performed in the vicinity of the site. Data for site locations within the vicinity of the site and aerial photographs were evaluated.

The results of the off-site source investigation indicate that there are multiple sources of petroleum hydrocarbons in close proximity to the site. The data do not indicate that these sources are significant contributors in affected groundwater beneath the Estate of John B. Henry Property (Estate) property.

Based upon the file review and available information, two potential upgradient sources were identified. The Cavanaugh Motors site located at 1700 Park Street was identified as a source for heavier petroleum hydrocarbons such as total petroleum hydrocarbons calculated as diesel (TPH-d), kerosene, and total oil and grease (TOG). Additionally, the Exxon/Regal (Exxon) site located at 1725 Park Street was identified as a source for TPH calculated as gasoline (TPH-g), benzene, toluene, ethylbenzene, and xylenes (BTEX compounds).

Results of the off-site source investigation include an extended site map showing site locations in the vicinity of the Estate site (Figure 1A), an extended site map showing recent groundwater quality data near the site (Figure 2A), and an evaluation of

potential off-site sources. For the purpose of this report, groundwater monitoring wells shown on Figure 6 and discussed below have been identified for each owner.

Findings of the Off-Site Source Investigation

Site Location Information

Review of the CRWQCB (Region 2) underground storage tank fuel leaks list and ACDEH LOP and inspection files indicated the following locations are listed in the vicinity of the site.

o BP Oil/Mobil	1541 Park Street
o Good Chevrolet	1630 Park Street
o Winner Ford	1650 Park Street
o Cavanaugh Motors	1700 Park Street
o Xtra Oil Company (Shell Service Station)	1701 Park Street
o German Auto Service	1719 Park Street
o Exxon/Regal	1725 Park Street
o Chevron Car Wash	1801 Park Street
o Unknown Ownership (J & J Alameda Auto Repair)	1800 Park Street
o M and L Acme Radiator	1820 Park Street
o Ron Goode Toyota	1825 Park Street
o Alameda Collision	1911 Park Street
o Various Site Names	2405 Eagle Avenue
o Various Site Names	2406 Eagle Avenue
o Alameda Unified School Dist.	2615 Eagle Avenue

Sites located in the nearby vicinity of the Estate site are Good Chevrolet, Cavanaugh Motors, Exxon, "Unknown", Xtra Oil, German Auto Service, and Chevron Car Wash. File data were not available for the Xtra Oil and German Auto Service sites. Recent field reconnaissance by Pacific Environmental Group, Inc. personnel indicated the underground fuel storage tanks on the Xtra Oil property were excavated in April 1994.

The file search indicated site investigation work had not been performed on the Xtra Oil property prior to the underground fuel storage tank excavation activities, nor on the German Auto Service property.

Groundwater Flow Direction Data

With the exception of the Exxon data, available data for all nearby sites showed the groundwater flow direction to the northeast. Exxon data, previous to installation of Exxon's off-site wells, showed groundwater flow direction beneath the Exxon site was to the east. Exxon data, since installation of Exxon's off-site wells, shows groundwater flow direction to be both east and northeast during any single monitoring event (Figure 6).

Evaluation of Potential Off-Site Petroleum Hydrocarbon Sources

1700 Park Street - Cavanaugh Motors. A brief synopsis of the relevant 1700 Park Street data is as follows. In August 1990, an underground waste oil tank was removed from the 1700 Park Street site. The tank was found to be corroded and leaking waste oil from a hole halfway up the side of the tank. In January 1991, the area of the former waste oil tank was overexcavated by removing approximately 120 cubic yards of soil. Soil samples analyzed from the base of the tank pit indicated the presence of TPH-g at 730 parts per million (ppm), TPH-d at 6,400 ppm, TOG at 20,000 ppm, mehthylene chloride at 22 ppm, chlorobenzene at 59 ppm, napthalene at 1.6 ppm, 2-methylnaphthalene at 1.5 ppm, and phenanthrene at 0.3 ppm. Lead was detected at 1,040 ppm. Other metals (cadmium, chrome, zinc, and nickel) were also detected.

Following tank excavation activities, site soils and groundwater were investigated. A soil sample (B-4) collected at the depth of 8 feet below ground surface (bgs) from a boring drilled on the downgradient side of the tank showed TPH-d at 680 ppm and TOG at 710 ppm. Another soil sample collected from Well CMW-5 at the depth of 5 feet bgs, and further downgradient of the former waste oil tank, was non-detect for TPH-d and TOG.

Six groundwater wells were installed on the 1700 Park Street property. Groundwater in all wells has been non-detectable for TPH-g, TPH-d, TOG, and volatile organic compounds (VOCs) with the exception of Wells CMW-1, CMW-5, and CMW-6. Well CMW-1, located in the direct area of a former underground fuel storage tank has been non-detect for all constituents analyzed with the exception of TPH-g ranging from 4,300 to 28,000 parts per billion (ppb). Well CMW-6, located in the direct area of the former waste oil tank, has been non-detect for TPH-g. TPH-d in Well CMW-6 has ranged from non-detect to 1,700 ppb; kerosene has ranged from non-detect to 220 ppb.

Well CMW-5 located nearest the Estate property boundary has been non-detect for all constituents analyzed with the exception of chlorobenzene ranging between non-detect and 4.6 ppb.

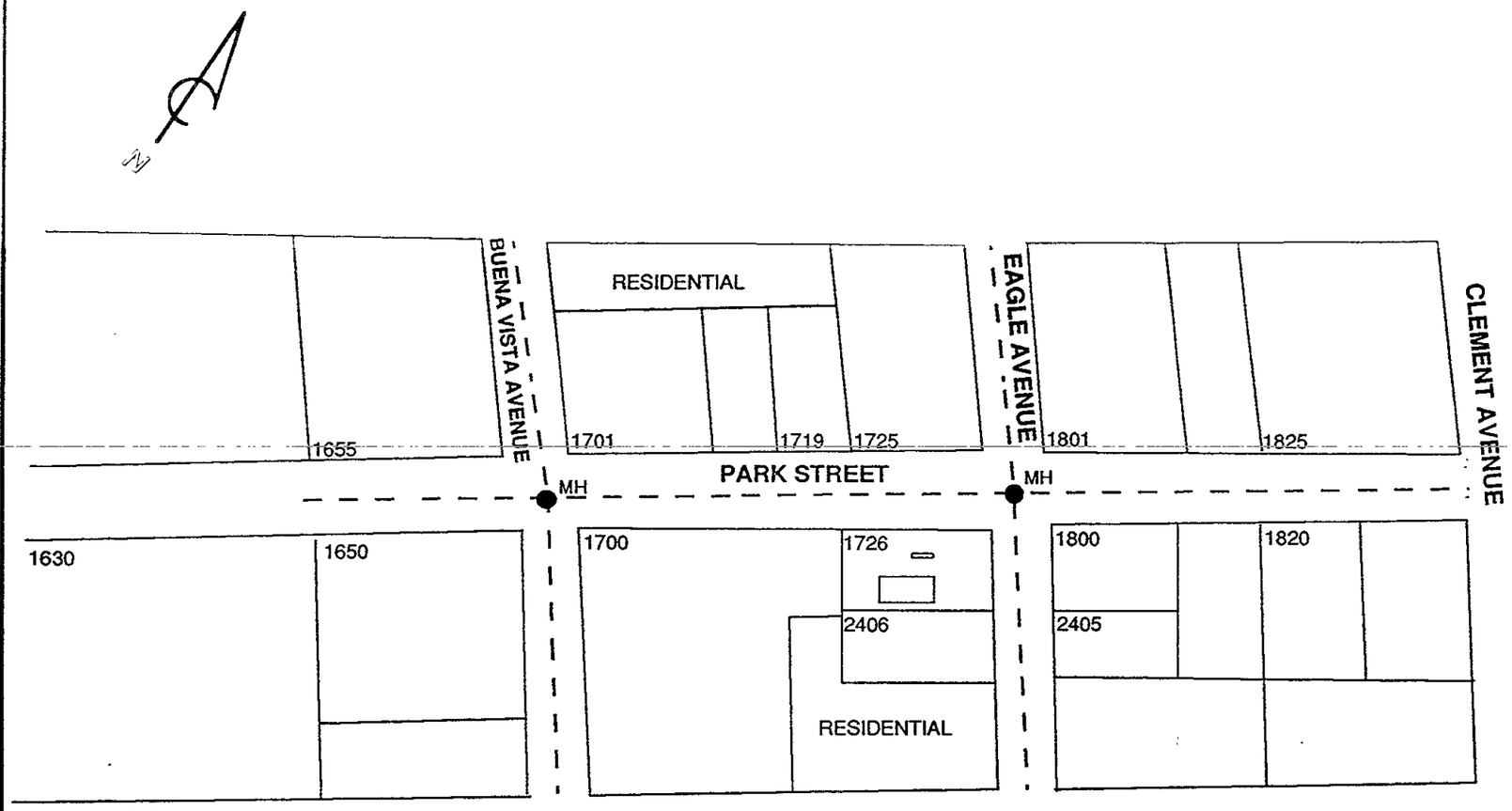
Furthermore, selected soil samples and groundwater samples collected on the Estate site, at locations downgradient of the 1700 Park Street former waste oil tank, and depths ranging from 0.5 feet to 10 feet bgs, have been non-detect for TPH-g, TPH-d, TOG, VOCs, and semi-volatile organic compounds with the exception of two soil samples collected from the same boring location. Soil Sample B-14-1, collected during the Estate's 1992 investigation at the depth of 0.5 feet bgs, showed TPH-d and TOG at 5 and 1,800 ppm, respectively. Sample B-14-4, collected from the same boring at the depth of 4 feet bgs, showed TPH-d quantified for at least some kerosene at 10 ppm.

1725 Park Street - Exxon. A brief synopsis of the relevant Exxon site investigation data is as follows. Groundwater flow direction in the vicinity of the Exxon station is generally to the east below the site. Groundwater flow direction in the vicinity of the Estate site is generally to the northeast below Park Street and relatively parallel to both the Exxon and the Estate sites.

A site investigation was begun in June 1988. Seven on-site groundwater monitoring wells were installed prior to start-up of a groundwater treatment system in February 1993. Very high levels of TPH-g in groundwater were found in all seven on-site groundwater monitoring wells. Separate-phase hydrocarbons (SPH) were also found in four on-site groundwater monitoring wells over the course of the Exxon investigation.

Investigation of off-site groundwater was conducted by Exxon in Park Street and Eagle Avenue in September 1992. Analytical data from "grab" groundwater samples showed groundwater had been impacted off site by TPH-g and BTEX compounds in the near proximity of the Exxon site in Park Street and Eagle Avenue. TPH-g and BTEX compounds in groundwater were non-detect in the near proximity of the Estate site with the exception of TPH-g at 5,100 ppb found in a "grab" groundwater sample (P-18) collected in the corner of Park Street and Eagle Avenue.

Three off-site groundwater monitoring wells were installed in May 1993 following start-up of the groundwater treatment system. Investigation of off-site soils and groundwater indicated TPH-g in soil and groundwater for Wells EMW-8 and EMW-9, located near the Estate property, was non-detect. TPH-g in soil for Well EMW-10, located in Eagle Avenue near the Exxon, was non-detect. TPH-g in groundwater in Well EMW-10 has shown very low levels of TPH-g indicating the levels of TPH-g attenuate sharply across Eagle Avenue. Well EMW-10 is located approximately 35 feet downgradient of wells frequently reported to contain SPH and across the path of a sewer main.



LEGEND

SEWER MAIN

MH MANHOLE

NOTE: Property boundary locations and landmarks have been approximated using aerial photo, graphs and maps by other consulting groups.

ACDEH LOCAL OVERSITE PROGRAM AND INSPECTION FILE LOCATIONS

SITE NAME	LOCATION
BP Oil/Mobil	1541 Park Street
Winner Ford	1650 Park Street
Good Chevrolet	1630 Park Street
Cavanaugh Motors	1700 Park Street
Xtra Oil Company (Shell Service Station)	1701 Park Street
German Auto Service	1719 Park Street
Exxon/Regal	1725 Park Street
Unknown Ownership	1800 Park Street
Chevron Car Wash	1801 Park Street
M and L Acme Radiator	1820 Park Street
Ron Goode Toyota	1825 Park Street
Alameda Collision	1911 Park Street
Various Site Names	2405 Eagle Avenue
Various Site Names	2406 Eagle Avenue
Alameda Unified School District	2615 Eagle Avenue

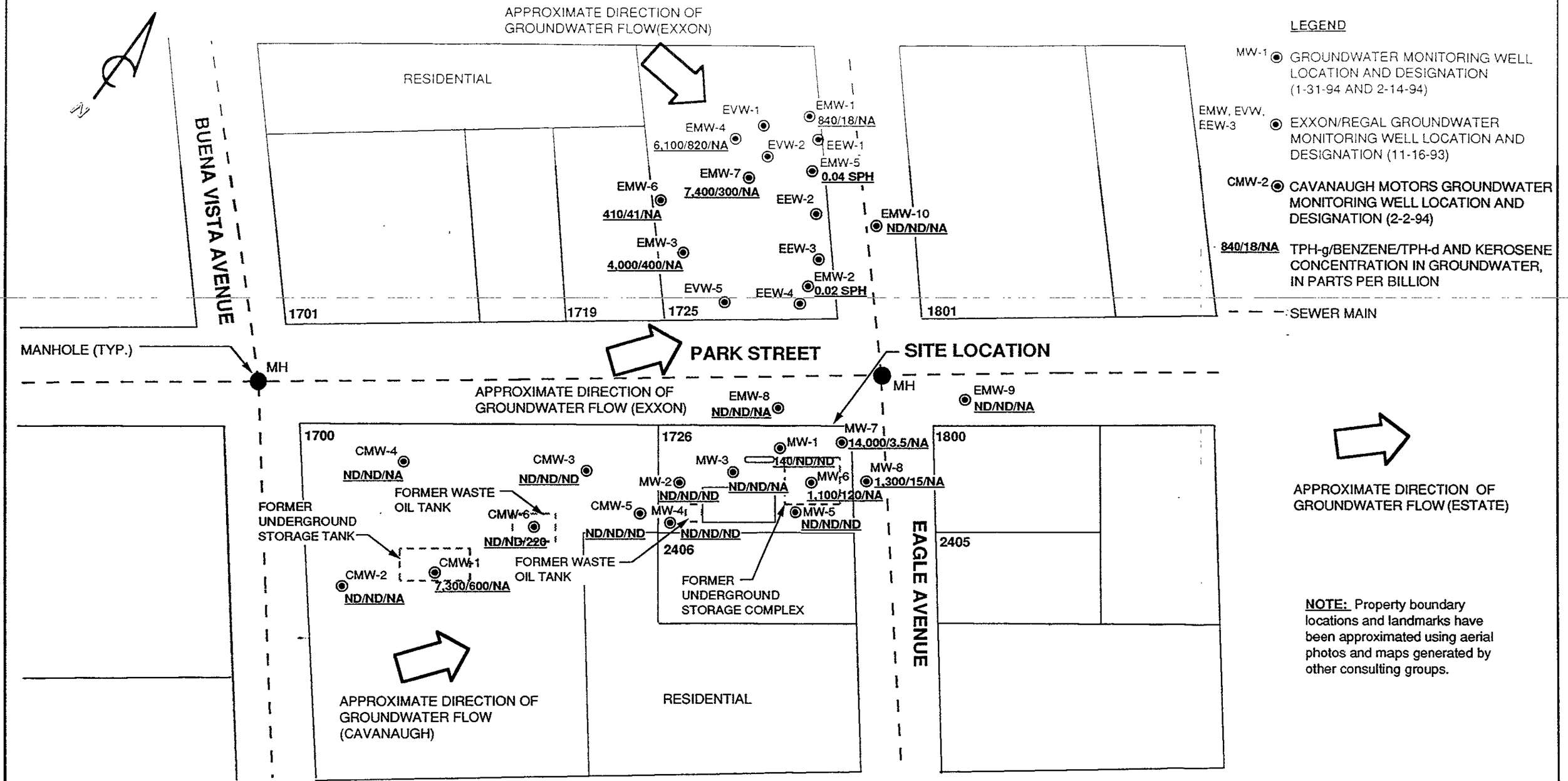
PACIFIC ENVIRONMENTAL GROUP, INC.

SCALE
0 100 200 FEET

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

OFFSITE SOURCE LOCATION MAP

FIGURE:
1A
PROJECT:
286-001.1A



PACIFIC ENVIRONMENTAL GROUP, INC.

SCALE
0 50 100 FEET

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

TPH-g/BENZENE/TPH-d AND KEROSENE CONCENTRATIONS

FIGURE:
2A
PROJECT:
286-001.1A

APPROXIMATE DIRECTION OF GROUNDWATER FLOW(EXXON)

RESIDENTIAL

BUENA VISTA AVENUE

EVW-1
EMW-4 6,100/820/NA
EVW-2
EMW-1 840/18/NA
EEW-1
EMW-5 0.04 SPH
EMW-7 7,400/300/NA
EMW-6 410/41/NA
EEW-2
EMW-10 ND/ND/NA
EMW-3 4,000/400/NA
EEW-3
EVW-5
EEW-4
EMW-2 0.02 SPH

1701 1719 1725 1801

MANHOLE (TYP.)
MH
PARK STREET
SITE LOCATION
MH

APPROXIMATE DIRECTION OF GROUNDWATER FLOW (EXXON)
EMW-8 ND/ND/NA
EMW-9 ND/ND/NA

1700 1726 1800

CMW-4 ND/ND/NA
CMW-3 ND/ND/ND
MW-7 14,000/3.5/NA
MW-1 140/ND/ND
MW-3 ND/ND/NA
MW-2 ND/ND/ND
MW-6 1,100/120/NA
MW-8 1,300/15/NA
FORMER WASTE OIL TANK
CMW-6 ND/ND/220
CMW-5 ND/ND/ND
MW-4 ND/ND/ND
MW-5 ND/ND/ND
FORMER UNDERGROUND STORAGE TANK
CMW-1 7,300/600/NA
CMW-2 ND/ND/NA
FORMER WASTE OIL TANK
FORMER UNDERGROUND STORAGE COMPLEX
2406
EAGLE AVENUE
2405

APPROXIMATE DIRECTION OF GROUNDWATER FLOW (CAVANAUGH)

RESIDENTIAL

APPROXIMATE DIRECTION OF GROUNDWATER FLOW (ESTATE)

NOTE: Property boundary locations and landmarks have been approximated using aerial photos and maps generated by other consulting groups.

LEGEND

- MW-1 ◉ GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION (1-31-94 AND 2-14-94)
- EMW, EVW, EEW-3 ◉ EXXON/REGAL GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION (11-16-93)
- CMW-2 ◉ CAVANAUGH MOTORS GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION (2-2-94)
- 840/18/NA TPH-g/BENZENE/TPH-d AND KEROSENE CONCENTRATION IN GROUNDWATER, IN PARTS PER BILLION
- SEWER MAIN

PACIFIC ENVIRONMENTAL GROUP, INC.

SCALE
0 50 100 FEET

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

TPH-g/BENZENE/TPH-d AND KEROSENE CONCENTRATIONS

FIGURE 2A
PROJECT 286-001 1A

ATTACHMENT B

FIELD AND LABORATORY PROCEDURES

ATTACHMENT B
FIELD AND LABORATORY PROCEDURES

Drilling and Well Construction Procedures

The soil borings for groundwater monitoring wells were drilled using 8-inch diameter hollow-stemmed auger drilling equipment, or a 3-inch diameter hand auger, and logged by a Pacific Environmental Group, Inc. (PACIFIC) geologist using the Unified Soil Classification System and standard geologic techniques. Soil samples for logging and chemical analysis were collected at 5-foot depth intervals using a California-modified split-spoon sampler or a manually-driven split-spoon sampler. The California-modified sampler was driven a maximum of 18 inches using a 140-pound hammer with a 30-inch drop. Soil samples for chemical analysis were retained in brass liners, capped with Teflon squares and plastic end caps, taped, and sealed in new plastic bags. The samples were placed on ice for transport to the laboratory accompanied by chain-of-custody documentation. All down-hole drilling and sampling equipment was steam-cleaned prior to the drilling of each soil boring.

Selected soil borings were converted to groundwater monitoring wells by the installation of 2-inch diameter Schedule 40 PVC casing with 0.020-inch factory slotted-screen. The annular space was packed with graded 2 x 12 sand across the entire screened interval, extending approximately 1 foot above the top of the screened interval. A bentonite and cement sanitary surface seal was placed from the top of the sand packed interval to the existing grade.

Exploratory Soil Boring Drilling

The exploratory soil borings were drilled using 3-inch diameter hand-sampling drilling equipment. The borings were logged by a PACIFIC geologist using the Unified Soil Classification System and standard geologic techniques.

Soil sampling for identification and sampling were accomplished by using a drive sampling system. The drive sampler, fitted with a 6-inch brass sampling sleeve, was driven at 3 and 8 feet to collect the core sample. The ends of the core sample were capped with Teflon tape squares and plastic end caps, which are adhered to the acetate

liner using a non-volatile rubber-based tape, and then placed in a sealable plastic bag. The samples were be placed on ice for transport to the laboratory accompanied by chain-of-custody documentation.

Following the collection of appropriate samples from the soil borings, each boring was sealed with a bentonite and Portland cement seal from the bottom of the boring to the ground surface.

Organic Vapor Procedures

Soil samples collected in the field were analyzed using an HNU Model PI 101 photo-ionization detector (or equivalent) with a 10.2 eV lamp. The test procedure involved measuring approximately 30 grams from an undisturbed soil sample, placing this subsample in a clean glass jar, and sealing the jar with aluminum foil secured under a ring-type threaded lid. The jar was warmed for approximately 20 minutes in the sun, then the foil was pierced and the head-space within the jar tested for total organic vapor measured in parts per million as benzene (ppm; volume/volume). The instrument was previously calibrated using a 100-ppm isobutylene standard (in air) and a sensitivity factor of 0.55 which relates the photo-ionization potential of benzene to that of isobutylene at 100 ppm. The results of these tests were recorded on the boring logs.

Laboratory Procedures

Analyses for total petroleum hydrocarbons calculated as gasoline (TPH-g), TPH calculated as diesel (TPH-d), and TPH calculated as oil (TPH-o), were performed by the DHS LUFT method. Analysis for benzene, toluene, ethylbenzene, and xylenes was performed by modified EPA Method 8020. These analytical methods utilize gas chromatography and flame- or photo-ionization detection (FID or PID).

Analysis for total oil and grease was by the gravimetric method (EPA Method 5520 B and F). This analysis is also performed by gas chromatography and FID or PID.

Analysis for volatile organics was by EPA Method 624/8240. Analysis for semi-volatile organics was by EPA Method 627/8270. These analytical methods utilize gas chromatography and mass spectrometry.

Analyses for metals were by California Assessment Manual techniques. The samples were extracted by chemical wet-lab techniques which vary by metal analyte. Detection was by atomic absorption, mass-, flame-, or photo-spectrometry, depending on the metal analyte.

Additional information on the laboratory analytical procedures used is included in the laboratory reports in Attachment D. All analyses were performed by California State-certified analytical laboratories.

Well Development Procedures

Well development consisted of purging a minimum of ten casing volumes of groundwater (unless the well is dewatered) from the well. Initially, the immediate well casing is purged of sediment. After the initial removal of sediment, the well screen is surged at 2-foot intervals along the full screen length with a vented surge block. The sequence of surging and purging is repeated at least three times during the ten casing evacuation. During the purging, the well is monitored for temperature, pH, electrical conductivity (EC), and turbidity. A well is considered "developed" when the temperature, pH, and EC parameters have stabilized.

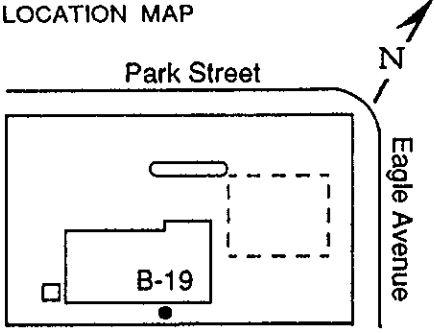
Groundwater Sampling Procedures

The sampling procedure consisted of first measuring the water level in the wells with an electronic water level indicator, and checking the wells for the presence of separate-phase hydrocarbons using a clear Teflon bailer or an oil-water interface probe. The wells were then purged of approximately four casing volumes of water (or until dry) using a bailer or centrifugal pump, during which time temperature, pH, and EC were monitored to indicate that a representative sample may be obtained. After purging, the water levels in the wells were allowed to partially recover. Groundwater samples were then collected using a Teflon bailer, placed into appropriate EPA-approved containers, labeled, logged onto chain-of-custody documents, and transported on ice to a state-certified laboratory.

ATTACHMENT C

BORING LOGS, WELL COMPLETION DATA, AND WELL ELEVATION SURVEY DATA

LOCATION MAP



PACIFIC ENVIRONMENTAL GROUP, INC.

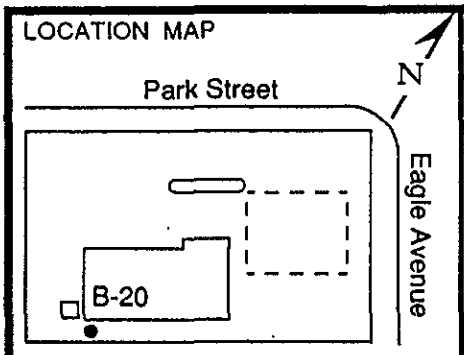
BORING NO. B-19
PAGE 1 OF 1

PROJECT NO. 286-001.1A
LOGGED BY: LD
DRILLER: GRADIENT
DRILLING METHOD: HAND AUGER
SAMPLING METHOD: Drive Sampler
CASING TYPE: NA
SLOT SIZE: NA
GRAVEL PACK: NA

CLIENT: Estate of JOHN B HENRY
DATE DRILLED: 2-9-94
LOCATION: 1726 Park Street
HOLE DIAMETER: 4"
HOLE DEPTH: 8.5'
WELL DIAMETER: NA
WELL DEPTH: NA
CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	FID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY	SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
				0					FILL MATERIAL 1' - COARSE GRAVEL
				1				SP	SAND: dark brown; fine sand; no product odor.
	Dp	0		2					@2': as above; no product odor.
				3					@3': as above; no product odor.
				4					
	Mst	0		5					@4.5': as above; 5-10% clay; no product odor.
				6					@6': as above; 0-5% clay; iron oxide; no product odor.
	Sat			7					
		0		8					@8.5': as above; no product odor.
				9					
				10					BOTTOM OF BORING AT 8.5'
				11					
				12					
				13					
				14					
				15					
				16					
				17					
				18					
				19					
				20					
				21					
				22					

LOCATION MAP



PACIFIC ENVIRONMENTAL GROUP, INC.

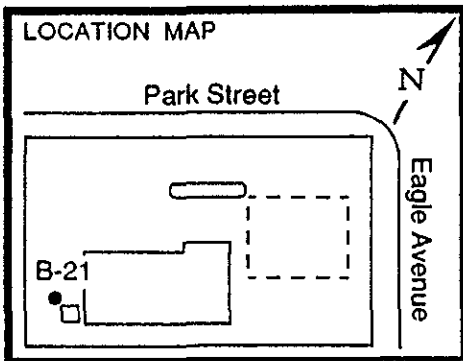
BORING NO. B-20
PAGE 1 OF 1

PROJECT NO. 286-001.1A
LOGGED BY: LD
DRILLER: GRADIENT
DRILLING METHOD: HAND AUGER
SAMPLING METHOD: Drive Sampler
CASING TYPE: NA
SLOT SIZE: NA
GRAVEL PACK: NA

CLIENT: Estate of JOHN B HENRY
DATE DRILLED: 2-9-94
LOCATION: 1726 Park Street
HOLE DIAMETER: 4"
HOLE DEPTH: 8.5'
WELL DIAMETER: NA
WELL DEPTH: NA
CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	FID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY / SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
				0				FILL MATERIAL 1' - COARSE GRAVEL: surficial stain.
	Dp			1			SP	SAND: dark brown; fine sand; no product odor.
				2				@2': as above; no product odor.
		1		3				@3': as above; no product odor.
				4				
	Mst	13		5				@5': as above; 5-10% clay; no product odor.
				6				
	Sat	74		7				@6.5': as above; dark greenish gray; iron oxide; faint product odor.
		48		8				@7.5': as above; strong product odor. @8.5': as above; strong product odor.
				9				
				10				BOTTOM OF BORING AT 8.5'
				11				
				12				
				13				
				14				
				15				
				16				
				17				
				18				
				19				
				20				
				21				
				22				

LOCATION MAP



PACIFIC ENVIRONMENTAL GROUP, INC.

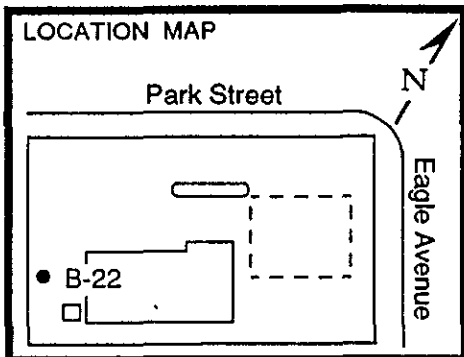
BORING NO. B-21
PAGE 1 OF 1

PROJECT NO. 286-001.1A
LOGGED BY: LD
DRILLER: GRADIENT
DRILLING METHOD: HAND AUGER
SAMPLING METHOD: Drive Sampler
CASING TYPE: NA
SLOT SIZE: NA
GRAVEL PACK: NA

CLIENT: Estate of JOHN B HENRY
DATE DRILLED: 2-9-94
LOCATION: 1726 Park Street
HOLE DIAMETER: 4"
HOLE DEPTH: 9.5'
WELL DIAMETER: NA
WELL DEPTH: NA
CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	FID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY / SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
								CONCRETE FILL 4" - COARSE GRAVEL 1/2'
	Dp			1			SP	SAND: dark brown; fine sand; no product odor.
				2				@2': as above; no product odor.
		0		3				
	Mst			4				@4': as above; no product odor.
		0		5				
				6				
	Sat			7				@6.5': as above; iron oxide; no product odor.
		48		8				@7.5': as above; no product odor. @8': as above; dark greenish gray; faint product odor.
	Sat	1		9				@9.5': as above; dark brown; no product odor.
				10				BOTTOM OF BORING AT 9.5'
				11				
				12				
				13				
				14				
				15				
				16				
				17				
				18				
				19				
				20				
				21				
				22				

LOCATION MAP



PACIFIC ENVIRONMENTAL GROUP, INC.

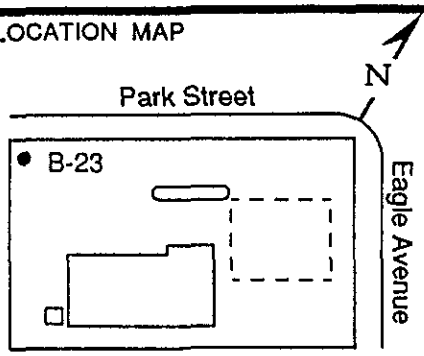
BORING NO. B-22
PAGE 1 OF 1

PROJECT NO. 286-001.1A
LOGGED BY: LD
DRILLER: GRADIENT
DRILLING METHOD: HAND AUGER
SAMPLING METHOD: Drive Sampler
CASING TYPE: NA
SLOT SIZE: NA
GRAVEL PACK: NA

CLIENT: Estate of JOHN B HENRY
DATE DRILLED: 2-9-94
LOCATION: 1726 Park Street
HOLE DIAMETER: 4"
HOLE DEPTH: 8.5'
WELL DIAMETER: NA
WELL DEPTH: NA
CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	FID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY / SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
				1			SP	CONCRETE FILL 4" - COARSE GRAVEL 1/2' SAND: dark brown; fine sand; no product odor.
				2				@1.5': as above; yellowish brown; no product odor.
		1		3				@3': as above; no product odor.
	Mst			4				@4': as above; no product odor.
		0		5				@5': as above; dark yellowish brown; <10% clay; no product odor.
				6				@6': as above; no clay; no product odor.
	Mst			7				
	Sat	0		8				@7.5': as above; no product odor. @8.5': as above; no product odor.
				9				
				10				BOTTOM OF BORING AT 8.5'
				11				
				12				
				13				
				14				
				15				
				16				
				17				
				18				
				19				
				20				
				21				
				22				

LOCATION MAP



PACIFIC ENVIRONMENTAL GROUP, INC.

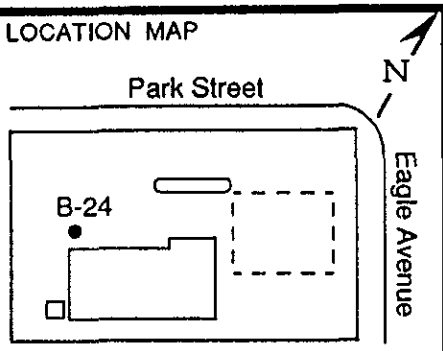
BORING NO. B-23
PAGE 1 OF 1

PROJECT NO. 286-001.1A
LOGGED BY: LD
DRILLER: GRADIENT
DRILLING METHOD: HAND AUGER
SAMPLING METHOD: Drive Sampler
CASING TYPE: NA
SLOT SIZE: NA
GRAVEL PACK: NA

CLIENT: Estate of JOHN B HENRY
DATE DRILLED: 2-9-94
LOCATION: 1726 Park Street
HOLE DIAMETER: 4"
HOLE DEPTH: 8.5'
WELL DIAMETER: NA
WELL DEPTH: NA
CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	FID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY / SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
	Dp			1			SP	ASPHALT 2" SAND: dark brown; fine sand; iron oxide; no product odor.
		0		2				
	Dp			3				
		0		4				@3.5': dark yellowish brown; 5-10% clay; no product odor.
	Mst			5				@4.5': as above; no clay; no product odor.
				6				
	Sat			7				
		0		8				@7.5': as above; no product odor. @8.5': as above; no product odor.
				9				
				10				BOTTOM OF BORING AT 8.5'
				11				
				12				
				13				
				14				
				15				
				16				
				17				
				18				
				19				
				20				
				21				
				22				

LOCATION MAP



PACIFIC ENVIRONMENTAL GROUP, INC.

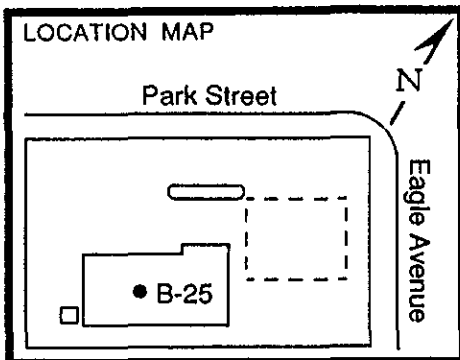
BORING NO. B-24
PAGE 1 OF 1

PROJECT NO. 286-001.1A
LOGGED BY: LD
DRILLER: GRADIENT
DRILLING METHOD: HAND AUGER
SAMPLING METHOD: Drive Sampler
CASING TYPE: NA
SLOT SIZE: NA
GRAVEL PACK: NA

CLIENT: Estate of JOHN B HENRY
DATE DRILLED: 2-9-94
LOCATION: 1726 Park Street
HOLE DIAMETER: 4"
HOLE DEPTH: 8.5'
WELL DIAMETER: NA
WELL DEPTH: NA
CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	FID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY / SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
	Dp			1			SP	ASPHALT 2" SAND: dark brown; fine sand; no product odor.
				2				@1.5': as above; dark yellowish brown; no product odor.
		0		3				@3': as above; no product odor.
	Dp			4				
		0		5				@4.5': as above; 5-10% clay; no product odor. @5': as above; no product odor.
				6				@6': as above; no clay; no product odor.
	VMst			7				
		0		8				@8.5': as above; no product odor.
	Sat			9				
				10				
				11				
				12				
				13				
				14				
				15				
				16				
				17				
				18				
				19				
				20				
				21				
				22				

LOCATION MAP



PACIFIC ENVIRONMENTAL GROUP, INC.

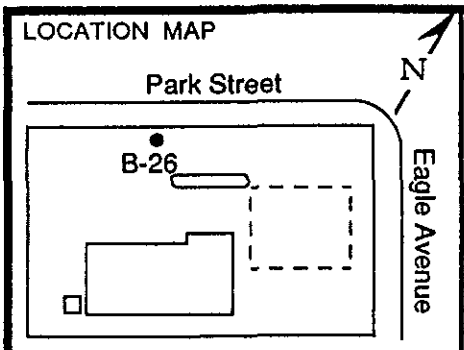
BORING NO. B-25
PAGE 1 OF 1

PROJECT NO. 286-001.1A
LOGGED BY: LD
DRILLER: GRADIENT
DRILLING METHOD: HAND AUGER
SAMPLING METHOD: Drive Sampler
CASING TYPE: NA
SLOT SIZE: NA
GRAVEL PACK: NA

CLIENT: Estate of JOHN B HENRY
DATE DRILLED: 2-9-94
LOCATION: 1726 Park Street
HOLE DIAMETER: 4"
HOLE DEPTH: 8.5'
WELL DIAMETER: NA
WELL DEPTH: NA
CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	FID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY / SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
	Mst			1			SP	CONCRETE 5" SAND: dark brown; fine sand; no product odor.
				2				@1.5': as above; no product odor.
	Mst	0		3				@3': as above; dark yellowish brown; no product odor.
				4				
	VMst	0		5				@5': as above; no product odor.
				6				
				7				
	Sat	0		8				@7.5': as above; no product odor. @8.5': as above; no product odor.
				9				
				10				BOTTOM OF BORING AT 8.5'
				11				
				12				
				13				
				14				
				15				
				16				
				17				
				18				
				19				
				20				
				21				
				22				

LOCATION MAP



PACIFIC ENVIRONMENTAL GROUP, INC.

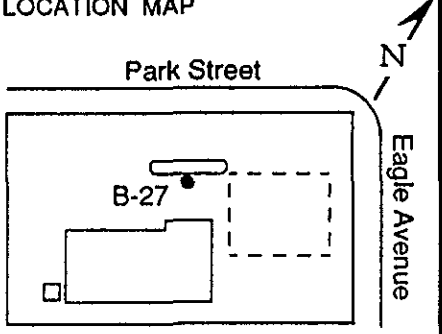
BORING NO. B-26
PAGE 1 OF 1

PROJECT NO. 286-001.1A
LOGGED BY: LD
DRILLER: GRADIENT
DRILLING METHOD: HAND AUGER
SAMPLING METHOD: Drive Sampler
CASING TYPE: NA
SLOT SIZE: NA
GRAVEL PACK: NA

CLIENT: Estate of JOHN B HENRY
DATE DRILLED: 2-9-94
LOCATION: 1726 Park Street
HOLE DIAMETER: 4"
HOLE DEPTH: 8.5'
WELL DIAMETER: NA
WELL DEPTH: NA
CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	FID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY / SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
	Dp			1			SP	ASPHALT 2" SAND: dark brown; fine sand; no product odor.
				2				@1.5': as above; yellowish brown; no product odor.
		0		3				@3': as above; no product odor.
	Mst			4				@4': as above; 5-10% clay; no product odor.
	Mst	0		5				@5.5': as above; no clay; no product odor.
	Sat			6				
				7				
	Sat	0		8				@8.5': as above; no product odor.
				9				BOTTOM OF BORING AT 8.5'
				10				
				11				
				12				
				13				
				14				
				15				
				16				
				17				
				18				
				19				
				20				
				21				
				22				

LOCATION MAP



PACIFIC ENVIRONMENTAL GROUP, INC.

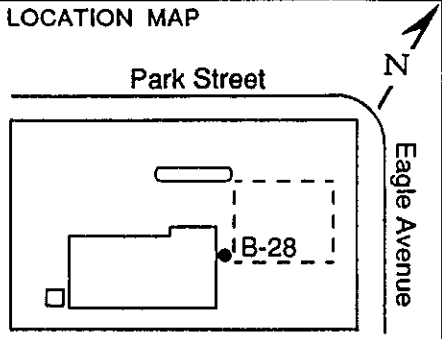
BORING NO. B-27
PAGE 1 OF 1

PROJECT NO. 286-001.1A
LOGGED BY: LD
DRILLER: GRADIENT
DRILLING METHOD: HAND AUGER
SAMPLING METHOD: Drive Sampler
CASING TYPE: NA
SLOT SIZE: NA
GRAVEL PACK: NA

CLIENT: Estate of JOHN B HENRY
DATE DRILLED: 2-9-94
LOCATION: 1726 Park Street
HOLE DIAMETER: 4"
HOLE DEPTH: 11.5'
WELL DIAMETER: NA
WELL DEPTH: NA
CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	FID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
	Mst			1			SP	CONCRETE 4" SAND: dark brown; fine sand; no product odor.
				2				@1.5': as above; dark yellowish brown; no product odor.
	Mst	0		3				@3': as above; no product odor.
	VMst			4				
		260		5				@4.5': as above; no product odor.
				6				@5.5': as above; dark greenish gray; faint product odor.
		540						
	Sat			7				@6.5': as above; very strong product odor.
	Sat	240		8				@8': as above; very strong product odor.
	Sat			9				@9.5': as above; dark greenish brown; yellowish brown mottling; strong product odor.
				10				@10': as above; yellowish brown; no mottling; faint product odor.
		0		11				@11.5': as above; no product odor.
				12				BOTTOM OF BORING AT 11.5'
				13				
				14				
				15				
				16				
				17				
				18				
				19				
				20				
				21				
				22				

LOCATION MAP



PACIFIC ENVIRONMENTAL GROUP, INC.

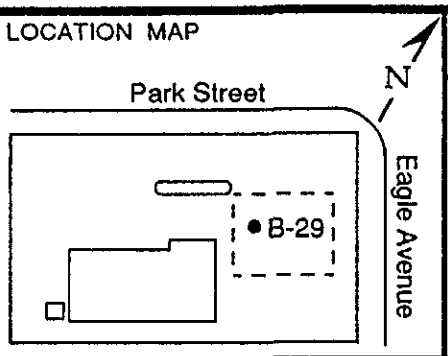
BORING NO. B-28
PAGE 1 OF 1

PROJECT NO. 286-001.1A
LOGGED BY: LD
DRILLER: GRADIENT
DRILLING METHOD: HAND AUGER
SAMPLING METHOD: Drive Sampler
CASING TYPE: NA
SLOT SIZE: NA
GRAVEL PACK: NA

CLIENT: Estate of JOHN B HENRY
DATE DRILLED: 2-9-94
LOCATION: 1726 Park Street
HOLE DIAMETER: 4"
HOLE DEPTH: 8.5'
WELL DIAMETER: NA
WELL DEPTH: NA
CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	FID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY / SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
	Dp			1			SP	ASPHALT 4" SAND: yellowish brown; fine sand; no product odor.
				2				@1.5': as above; no product odor.
	Dp	0		3				@3': as above; no product odor.
	Dp			4				@4': as above; 5% clay; faint product odor.
	Mst	379		5				@4.5': as above; very dark grayish brown; strong product odor.
				6				@5.5': as above; no clay; dark greenish gray; strong product odor.
	Sat			7				
		340		8				@7.5': as above; strong product odor. @8.5': as above; strong product odor.
				9				
				10				BOTTOM OF BORING AT 8.5'
				11				
				12				
				13				
				14				
				15				
				16				
				17				
				18				
				19				
				20				
				21				
				22				

LOCATION MAP



PACIFIC ENVIRONMENTAL GROUP, INC.

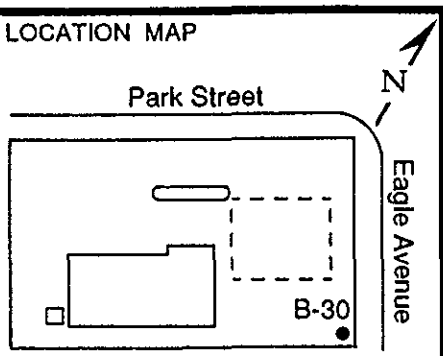
BORING NO. B-29
PAGE 1 OF 1

PROJECT NO. 286-001.1A
LOGGED BY: LD
DRILLER: GRADIENT
DRILLING METHOD: HAND AUGER
SAMPLING METHOD: Drive Sampler
CASING TYPE: NA
SLOT SIZE: NA
GRAVEL PACK: NA

CLIENT: Estate of JOHN B HENRY
DATE DRILLED: 2-9-94
LOCATION: 1726 Park Street
HOLE DIAMETER: 4"
HOLE DEPTH: 8.5'
WELL DIAMETER: NA
WELL DEPTH: NA
CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	FID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY / SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
	Dp			1			SP	ASPHALT 2" SAND: dark olive brown; fine sand; no product odor.
	Dp	229		3				@3': as above; dark grayish brown; strong product odor.
	Mst	290		5				@5': as above; dark greenish gray; strong product odor.
	Sat			7				@7': as above; very strong product odor.
	Sat	218		8				@8': as above; very strong product odor.
				9				BOTTOM OF BORING AT 8.5'
				10				
				11				
				12				
				13				
				14				
				15				
				16				
				17				
				18				
				19				
				20				
				21				
				22				

LOCATION MAP



PACIFIC ENVIRONMENTAL GROUP, INC.

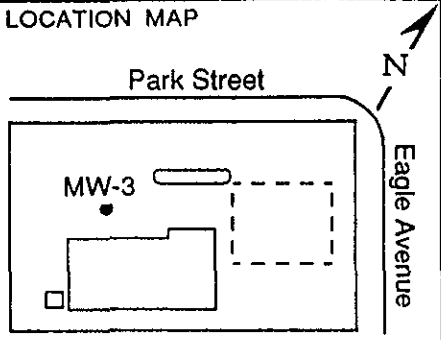
BORING NO. B-30
PAGE 1 OF 1

PROJECT NO. 286-001.1A
LOGGED BY: LD
DRILLER: GRADIENT
DRILLING METHOD: HAND AUGER
SAMPLING METHOD: Drive Sampler
CASING TYPE: NA
SLOT SIZE: NA
GRAVEL PACK: NA

CLIENT: Estate of JOHN B HENRY
DATE DRILLED: 2-9-94
LOCATION: 1726 Park Street
HOLE DIAMETER: 4"
HOLE DEPTH: 8.5'
WELL DIAMETER: NA
WELL DEPTH: NA
CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	FID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY / SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
	Dp			1			SP	ASPHALT 2" SAND: dark yellowish brown; fine sand; no product odor.
	Dp	2		2				
	Mst			3				@3': as above; no product odor.
	VMst	0		4				@4': as above; 5% clay; no product odor.
				5				@5': as above; no clay; no product odor.
				6				
				7				@6.5': as above; greenish gray; no product odor.
	Sat	3		8				@8.5': as above; faint product odor.
				9				BOTTOM OF BORING AT 8.5'
				10				
				11				
				12				
				13				
				14				
				15				
				16				
				17				
				18				
				19				
				20				
				21				
				22				

LOCATION MAP



PACIFIC ENVIRONMENTAL GROUP, INC.

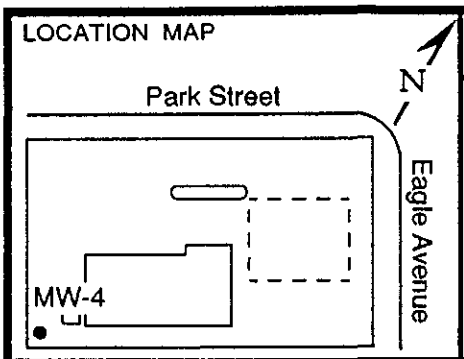
WELL NO. MW-3
PAGE 1 OF 1

PROJECT NO. 286-001.1A
LOGGED BY: LD
DRILLER: TURNER
DRILLING METHOD: HSA
SAMPLING METHOD: Continuous Core
CASING TYPE: Sch 40 PVC
SLOT SIZE: 0.020"
GRAVEL PACK: 2X12 SAND

CLIENT: Estate of JOHN B HENRY
DATE DRILLED: 2-10-94
LOCATION: 1726 Park Street
HOLE DIAMETER: 8"
HOLE DEPTH: 21'
WELL DIAMETER: 2"
WELL DEPTH: 19'
CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	FID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY / SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
GROUT	Dry			1			SP	2" ASPHALT: 1" GRAVEL SAND: dark yellowish brown; fine sand; no product odor.
				2				@1.5': as above.
				3				
				4				@4': as above; grades darker brown; trace clay <5%; no product odor.
BENTONITE	Mst	0		5				@5': as above; no product odor.
				6				@6': as above; increase in clay <10%; no product odor.
	Sat	1		7				
				8				
				9				@9': as above; no clay; no product odor.
	Sat	0		10				@9.5': light olive brown; mottled olive and brown; no product odor.
				11				
SAND				12				@12': as above; no mottling; no product odor.
				13				
				14				
	Sat	0		15				@15': as above; no product odor.
				16				
BENTONITE				17				
				18				@18.5-19': as above; light olive brown mottled with dark grayish brown; no product odor.
				19				@19': dark grayish brown; trace clay <5%; roothole with olive stain on rinds; no product odor.
	Sat	0		20			SC	CLAYEY SAND: dark gray; 20% clay; roothole with olive stain on rinds; no product odor.
				21				
				22				BOTTOM OF BORING AT 21'

LOCATION MAP

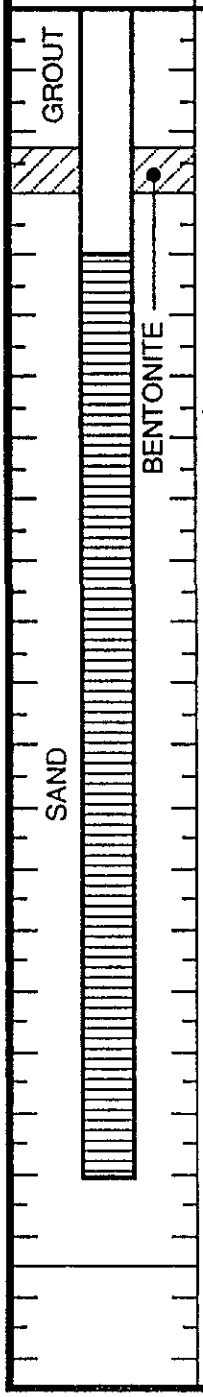


PACIFIC ENVIRONMENTAL GROUP, INC.

WELL NO. MW-4
PAGE 1 OF 1

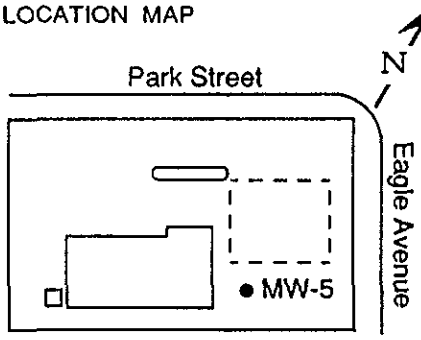
PROJECT NO. 286-001.1A
LOGGED BY: LD
DRILLER: TURNER
DRILLING METHOD: HSA
SAMPLING METHOD: Continuous Core
CASING TYPE: Sch 40 PVC
SLOT SIZE: 0.020"
GRAVEL PACK: 2X12 SAND

CLIENT: Estate of JOHN B HENRY
DATE DRILLED: 2-10-94
LOCATION: 1726 Park Street
HOLE DIAMETER: 8"
HOLE DEPTH: 20.5'
WELL DIAMETER: 2"
WELL DEPTH: 19'
CASING STICKUP: NA



DEPTH (FEET)	MOISTURE CONTENT	FID	PENETRATION (BLOWS/FT)	SOIL TYPE	LITHOLOGY / REMARKS
1	Dp			SP	ASPHALT 3": GRAVEL 2" SAND: dark brown; fine sand; no product odor.
2					@1.5': yellowish brown.
3					@3': as above.
4					
5	Mst	0			@5': as above; 5-10% clay; no product odor.
6					@6': as above; dark yellowish brown; no product odor.
7	Sat	0			@7': as above; no product odor.
8		1			@8-9': as above; olive; very faint product odor.
9					@8.5': as above; no clay. @9': as above; dark yellowish brown; no product odor.
10	Sat	0			@10': as above; no product odor.
11					
12					
13					
14					@14.5-15.5': 0-5% clay; partially consolidated; trace iron oxide; no product odor.
15	Sat	0			
16					
17					
18					
19					@19.5': as above; trace rootholes: trace iron oxide; no product odor.
20	Sat	0			@20': as above; 5% clay; no product odor.
21					BOTTOM OF BORING AT 20.5'
22					

LOCATION MAP



PACIFIC ENVIRONMENTAL GROUP, INC.

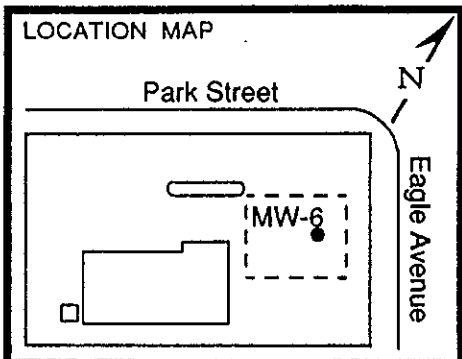
WELL NO. MW-5
PAGE 1 OF 1

PROJECT NO. 286-001.1A
LOGGED BY: RH
DRILLER: TURNER
DRILLING METHOD: HSA
SAMPLING METHOD: Continuous Core
CASING TYPE: Sch 40 PVC
SLOT SIZE: 0.020"
GRAVEL PACK: 2X12 SAND

CLIENT: Estate of JOHN B HENRY
DATE DRILLED: 2-9-94
LOCATION: 1726 Park Street
HOLE DIAMETER: 8"
HOLE DEPTH: 20'
WELL DIAMETER: 2"
WELL DEPTH: 19'
CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	FID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY / SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
GROUT	Dp			1			SP	ASPHALT 1.5": GRAVEL 4.5" SAND: dark brown; fine sand; no product odor.
				2				@1.5': yellowish brown.
				3				
				4				
BENTONITE	Mst	0		5				@4.5': as above; yellowish brown mottled with dark brown and strong brown; 5% clay.
				6				@5': as above; 10% clay; no product odor. @5.5': as above; brown.
	Wet	544		7				@7': pervasive dark greenish gray discolorations; little or no fines; sulfurous odor; moderate product odor.
	Sat			8				
				9				@9': less discoloration - grading to yellowish brown.
	Sat	19		10				@10': as above; yellowish brown; sulfurous odor; very faint product odor.
				11				
SAND				12				@12': as above; light olive brown.
				13				
				14				@13.5-14.5': as above; partially consolidated.
		0		15				@15': as above; no product odor.
				16				
BENTONITE				17				@17': as above; light olive brown; no product odor.
				18				
		10		19				@18.5': as above; no product odor.
				20			SC	CLAYEY SAND: light olive brown; 20% clay; trace decomposed rootlets; no product odor.
				21				
				22				BOTTOM OF BORING AT 20'

LOCATION MAP



PACIFIC ENVIRONMENTAL GROUP, INC.

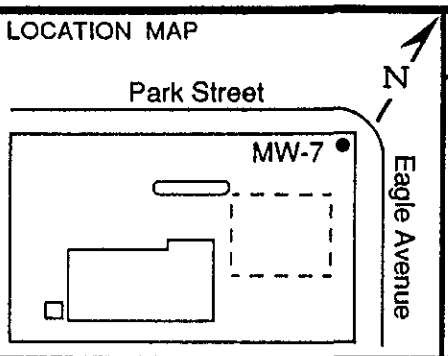
WELL NO. MW-6
PAGE 1 OF 1

PROJECT NO. 286-001.1A
LOGGED BY: RH
DRILLER: TURNER
DRILLING METHOD: HSA
SAMPLING METHOD: Continuous Core
CASING TYPE: Sch 40 PVC
SLOT SIZE: 0.020"
GRAVEL PACK: 2X12 SAND

CLIENT: Estate of JOHN B HENRY
DATE DRILLED: 2-9-94
LOCATION: 1726 Park Street
HOLE DIAMETER: 8"
HOLE DEPTH: 20'
WELL DIAMETER: 2"
WELL DEPTH: 19'
CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	FID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY / SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
GROUT	Dp			1			SP	ASPHALT 2" SAND: dark olive brown; fine sand.
				2				
	Dp			3				@3.5': as above; very dark grayish brown; no product odor.
	Mst	215		4				
BENTONITE				5				@5': as above; faint product odor.
	Sat	154		6				
				7				@7': as above; dark gray; strong product odor.
				8				
				9				
		6		10				@10': as above; strong product odor.
				11				
				12				@12': as above; yellowish brown; no product odor.
				13				
				14				
SAND		0		15				@15': as above; grading to dark grayish gray; 5-10% clay; no product odor.
				16				
				17				
				18				
				19				@19': as above; no product odor.
				20				
				21				BOTTOM OF BORING AT 20'
				22				

LOCATION MAP



PACIFIC ENVIRONMENTAL GROUP, INC.

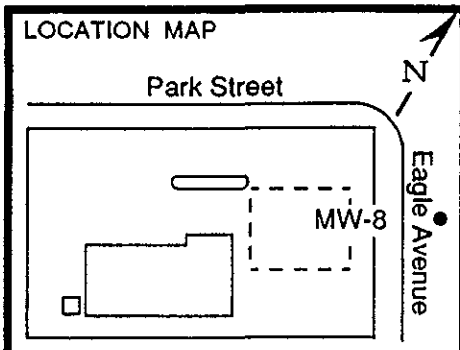
WELL NO. MW-7
PAGE 1 OF 1

PROJECT NO. 286-001.1A
LOGGED BY: RH
DRILLER: TURNER
DRILLING METHOD: HSA
SAMPLING METHOD: Continuous Core
CASING TYPE: Sch 40 PVC
SLOT SIZE: 0.020"
GRAVEL PACK: 2X12 SAND

CLIENT: Estate of JOHN B HENRY
DATE DRILLED: 2-10-94
LOCATION: 1726 Park Street
HOLE DIAMETER: 8"
HOLE DEPTH: 20'
WELL DIAMETER: 2"
WELL DEPTH: 19'
CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	FID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY / SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
GROUT	Dp			1			SP	ASPHALT 2" SAND: brown; fine sand; no product odor.
				2				@2': dark yellowish brown to dark brown; no product odor.
				3				
				4				
BENTONITE	Dp	0		5				@5': as above; no product odor.
	Wet			6				@6': as above; dark greenish gray; trace clay; moderate product odor.
	Sat	554		7				@7': as above; dark greenish gray; strong product odor.
				8				
				9				
	Sat	39		10				@10': as above; dark bluish gray; sulfurous odor; strong product odor.
				11				
				12				
				13				
				14				@13.5-14.5': as above; 5% clay partially consolidated; no product odor.
SAND	Sat	0		15				@14.5': as above; bluish gray; trace clay; no product odor.
				16				
				17				
				18				
	Sat			19				@18.5': as above; no product odor.
				20				BOTTOM OF BORING AT 20'
				21				
				22				

LOCATION MAP



PACIFIC ENVIRONMENTAL GROUP, INC.

WELL NO. MW-8
PAGE 1 OF 1

PROJECT NO. 286-001.1A
LOGGED BY: RH
DRILLER: TURNER
DRILLING METHOD: HSA
SAMPLING METHOD: Continuous Core
CASING TYPE: Sch 40 PVC
SLOT SIZE: 0.020"
GRAVEL PACK: 2X12 SAND

CLIENT: Estate of JOHN B HENRY
DATE DRILLED: 2-9-94
LOCATION: 1726 Park Street
HOLE DIAMETER: 8"
HOLE DEPTH: 20'
WELL DIAMETER: 2"
WELL DEPTH: 19'
CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	FID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY / SAMPLE INTERVAL / GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
GROUT	Dp			1		SP	ASPHALT 3": GRAVEL 6" SAND: dark brown; fine sand; no product odor.
				2			@1.5': as above; yellowish brown; no product odor.
				3			
				4			@4.5': as above; yellowish brown mottled with dark greenish gray; 0-5% clay; moderate product odor (old).
BENTONITE	Mst	519		5			@5': dark greenish gray; strong product odor.
				6			
	Wet			7			@6.5': as above; mild sulfurous odor; strong product odor. @7': as above; faint product odor.
	Sat	10		8			
				9			@8.5-9': color grades to yellowish brown; very faint product odor. @9': as above; yellowish brown; no product odor.
	Sat	1		10			@10': as above; no product odor.
				11			
				12			
				13			
				14			@14-15': as above; partially consolidated; no product odor.
SAND	Sat	0		15			@15': as above; no product odor.
				16			
	Sat			17			@17': grayish green; fine sand; no product odor.
				18			
				19			@18.5': as above; decomposing organic matter odor; no product odor.
				20			@20': as above.
				21			BOTTOM OF BORING AT 20'
				22			

BRUCE T. TRONOFF
Licensed Land Surveyor
516 Hubble Street
Davis, California 95616
916-758-4599

FEBRUARY 28, 1994

SURVEY 2693 DATA SHEET
1726 PARK STREET
CITY AND COUNTY OF ALAMEDA, CALIFORNIA
PEG PROJECT 286-001.1A
FOR
PACIFIC ENVIRONMENTAL GROUP

WELL	NORTHING	EASTING	ELEV(TOB)	ELEV(TOC)
MW-1	1019.22	1005.33	16.96	16.76
MW-2	977.02	961.94	17.81	17.51
MW-3	989.74	977.25	17.73	17.45
MW-4	943.73	973.49	18.43	18.08
MW-5	982.76	1030.64	17.47	17.19
MW-6	1012.02	1034.95	16.84	16.63
MW-7	1038.61	1030.19	16.52	16.24
MW-8	1022.63	1063.01	16.32	16.00

26930301.DAT

ATTACHMENT D

CERTIFIED ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY DOCUMENTATION

MOBILE CHEM LABS INC.

5011 Blum Road, Suite 1 • Martinez, CA 94553
Phone (510) 372-3700 • Fax (510) 372-6955

286-001.1A\1428\013314

Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 02-09-94
Date Received: 02-11-94
Date Analyzed: 02-22-94

Sample Number	Sample Description
024247	Project # 286-001.1A John B. Henry Estate 1726 Park St. - Alameda B19-3' SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	<1.0
Benzene	0.005	<0.005
Toluene	0.005	<0.005
Xylenes	0.005	<0.005
Ethylbenzene	0.005	<0.005

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

MOBILE CHEM LABS

Ronald G. Evans
Lab Director

MOBILE CHEM LABS INC.

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286-001.1A\1428\013314

Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
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Date Sampled: 02-09-94
Date Received: 02-11-94
Date Analyzed: 02-22-94

Sample Number	Sample Description
024248	Project # 286-001.1A John B. Henry Estate 1726 Park St. - Alameda B19-8' SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	<1.0
Benzene	0.005	<0.005
Toluene	0.005	<0.005
Xylenes	0.005	<0.005
Ethylbenzene	0.005	<0.005

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

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286-001.1A\1428\013314

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

Date Sampled: 02-09-94
Date Received: 02-11-94
Date Analyzed: 02-22-94

Sample Number	Sample Description
024249	Project # 286-001.1A John B. Henry Estate 1726 Park St. - Alameda B20-3' SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	<1.0
Benzene	0.005	<0.005
Toluene	0.005	<0.005
Xylenes	0.005	<0.005
Ethylbenzene	0.005	<0.005

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

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Ronald G. Evans
Lab Director

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286-001.1A\1428\013314

Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 02-09-94
Date Received: 02-11-94
Date Analyzed: 02-22-94

Sample Number	Sample Description
024250	Project # 286-001.1A John B. Henry Estate 1726 Park St. - Alameda B20-8' SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	7.4
Benzene	0.005	<0.005
Toluene	0.005	<0.005
Xylenes	0.005	0.048
Ethylbenzene	0.005	0.006

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

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Lab Director

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286-001.1A\1428\013314

Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 02-09-94
Date Received: 02-11-94
Date Analyzed: 02-22-94

Sample Number	Sample Description
024251	Project # 286-001.1A John B. Henry Estate 1726 Park St. - Alameda B21-3' SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	<1.0
Benzene	0.005	<0.005
Toluene	0.005	<0.005
Xylenes	0.005	<0.005
Ethylbenzene	0.005	<0.005

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

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Lab Director

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Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 02-09-94
Date Received: 02-11-94
Date Analyzed: 02-22-94

Sample Number	Sample Description
024252	Project # 286-001.1A John B. Henry Estate 1726 Park St. - Alameda B21-8' SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	1.2
Benzene	0.005	<0.005
Toluene	0.005	<0.005
Xylenes	0.005	<0.005
Ethylbenzene	0.005	<0.005

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

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2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 02-09-94
Date Received: 02-11-94
Date Analyzed: 02-22-94

Sample Number	Sample Description
024253	Project # 286-001.1A John B. Henry Estate 1726 Park St. - Alameda B21-9 1/2' SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	<1.0
Benzene	0.005	<0.005
Toluene	0.005	<0.005
Xylenes	0.005	<0.005
Ethylbenzene	0.005	<0.005

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

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Ronald G. Evans
Lab Director

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286-001.1A\1428\013314

Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 02-09-94
Date Received: 02-11-94
Date Analyzed: 02-22-94

Sample Number	Sample Description
024256	Project # 286-001.1A John B. Henry Estate 1726 Park St. - Alameda B23-3' SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	<1.0
Benzene	0.005	<0.005
Toluene	0.005	<0.005
Xylenes	0.005	<0.005
Ethylbenzene	0.005	<0.005

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

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Ronald G. Evans
Lab Director

MOBILE CHEM LABS INC.

5011 Blum Road, Suite 1 • Martinez, CA 94553
Phone (510) 372-3700 • Fax (510) 372-6955

286-001.1A\1428\013314

Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 02-09-94
Date Received: 02-11-94
Date Analyzed: 02-22-94

Sample Number	Sample Description
024257	Project # 286-001.1A John B. Henry Estate 1726 Park St. - Alameda B23-8' SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	<1.0
Benzene	0.005	<0.005
Toluene	0.005	<0.005
Xylenes	0.005	<0.005
Ethylbenzene	0.005	<0.005

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

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Ronald G. Evans
Lab Director

MOBILE CHEM LABS INC.

5011 Blum Road, Suite 1 • Martinez, CA 94553
Phone (510) 372-3700 • Fax (510) 372-6955

286-001.1A\1428\013314

Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 02-09-94
Date Received: 02-11-94
Date Analyzed: 02-22-94

Sample Number	Sample Description
024258	Project # 286-001.1A John B. Henry Estate 1726 Park St. - Alameda B24-3' SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	<1.0
Benzene	0.005	<0.005
Toluene	0.005	<0.005
Xylenes	0.005	<0.005
Ethylbenzene	0.005	<0.005

QA/QC: Spike Recovery is 98%
Duplicate Spike Deviation is 9.4%

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

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Ronald G. Evans
Lab Director

MOBILE CHEM LABS INC.

5011 Blum Road, Suite 1 • Martinez, CA 94553
Phone (510) 372-3700 • Fax (510) 372-6955

286-001.1A\1428\013314

Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 02-09-94
Date Received: 02-11-94
Date Analyzed: 02-22-94

Sample Number	Sample Description
024259	Project # 286-001.1A John B. Henry Estate 1726 Park St. - Alameda B24-8' SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	<1.0
Benzene	0.005	<0.005
Toluene	0.005	<0.005
Xylenes	0.005	<0.005
Ethylbenzene	0.005	<0.005

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

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for Ronald G. Evans
Lab Director

MOBILE CHEM LABS INC.

5011 Blum Road, Suite 1 • Martinez, CA 94553
Phone (510) 372-3700 • Fax (510) 372-6955

286-001.1A\1428\013314

Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 02-09-94
Date Received: 02-11-94
Date Analyzed: 02-22-94

Sample Number	Sample Description
024262	Project # 286-001.1A John B. Henry Estate 1726 Park St. - Alameda B26-3' SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	<1.0
Benzene	0.005	<0.005
Toluene	0.005	<0.005
Xylenes	0.005	<0.005
Ethylbenzene	0.005	<0.005

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

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Ronald G. Evans
Lab Director

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5011 Blum Road, Suite 1 • Martinez, CA 94553
Phone (510) 372-3700 • Fax (510) 372-6955

286-001.1A\1428\013314

Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 02-09-94
Date Received: 02-11-94
Date Analyzed: 02-22-94

Sample Number	Sample Description
024263	Project # 286-001.1A John B. Henry Estate 1726 Park St. - Alameda B26-8' SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	<1.0
Benzene	0.005	<0.005
Toluene	0.005	<0.005
Xylenes	0.005	<0.005
Ethylbenzene	0.005	<0.005

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

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Ronald G. Evans
Lab Director

MOBILE CHEM LABS INC.

5011 Blum Road, Suite 1 • Martinez, CA 94553
Phone (510) 372-3700 • Fax (510) 372-6955

286-001.1A\1428\013314

Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 02-09-94
Date Received: 02-11-94
Date Analyzed: 02-23-94

Sample Number	Sample Description
024264	Project # 286-001.1A John B. Henry Estate 1726 Park St. - Alameda B27-3' SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	<1.0
Benzene	0.005	<0.005
Toluene	0.005	<0.005
Xylenes	0.005	<0.005
Ethylbenzene	0.005	<0.005

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

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Ronald G. Evans
Lab Director

MOBILE CHEM LABS INC.

5011 Blum Road, Suite 1 • Martinez, CA 94553
Phone (510) 372-3700 • Fax (510) 372-6955

286-001.1A\1428\013314

Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
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Pacific Contact

Date Sampled: 02-09-94
Date Received: 02-11-94
Date Analyzed: 02-23-94

Sample Number	Sample Description
024265	Project # 286-001.1A John B. Henry Estate 1726 Park St. - Alameda B27-6 1/2' SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	88
Benzene	0.005	<0.005
Toluene	0.005	<0.005
Xylenes	0.005	1.3
Ethylbenzene	0.005	0.090

QA/QC: Duplicate Deviation is 14.3%

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

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Lab Director

MOBILE CHEM LABS INC.

5011 Blum Road, Suite 1 • Martinez, CA 94553
Phone (510) 372-3700 • Fax (510) 372-6955

286-001.1A\1342\013314

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San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 02-09-94
Date Received: 02-11-94
Date Analyzed: 02-23-94

Sample Number	Sample Description
024266	Project # 286-001.1A John B. Henry Estate 1726 Park St. - Alameda B27-11 1/2' SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	40
Benzene	0.005	0.13
Toluene	0.005	0.18
Xylenes	0.005	1.4
Ethylbenzene	0.005	0.17

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

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Lab Director

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286-001.1A\1342\013314

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Attn: Maree Doden
Pacific Contact

Date Sampled: 02-09-94
Date Received: 02-11-94
Date Analyzed: 02-23-94

Sample Number	Sample Description
024267	Project # 286-001.1A John B. Henry Estate 1726 Park St. - Alameda B28-3' SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	<1.0
Benzene	0.005	<0.005
Toluene	0.005	<0.005
Xylenes	0.005	<0.005
Ethylbenzene	0.005	<0.005

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

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Lab Director

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286-001.1A\1342\013314

Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 02-09-94
Date Received: 02-11-94
Date Analyzed: 02-23-94

Sample Number	Sample Description
024268	Project # 286-001.1A John B. Henry Estate 1726 Park St. - Alameda B28-5' SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	1,700
Benzene	0.005	4.1
Toluene	0.005	8.6
Xylenes	0.005	130
Ethylbenzene	0.005	25

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

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Lab Director

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286-001.1A\1342\013314

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Attn: Maree Doden
Pacific Contact

Date Sampled: 02-09-94
Date Received: 02-11-94
Date Analyzed: 02-23-94

Sample Number	Sample Description
024269	Project # 286-001.1A John B. Henry Estate 1726 Park St. - Alameda B28-8' SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	3,200
Benzene	0.005	8.1
Toluene	0.005	22
Xylenes	0.005	320
Ethylbenzene	0.005	57

QA/QC: Duplicate Deviation is 4.1%

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

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Lab Director

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286-001.1A\1342\013314

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Pacific Contact

Date Sampled: 02-09-94
Date Received: 02-11-94
Date Analyzed: 02-23-94

Sample Number	Sample Description
024270	Project # 286-001.1A John B. Henry Estate 1726 Park St. - Alameda B29-3' SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	2.5
Benzene	0.005	<0.005
Toluene	0.005	<0.005
Xylenes	0.005	0.017
Ethylbenzene	0.005	0.032

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

MOBILE CHEM LABS

Ronald G. Evans
Lab Director

MOBILE CHEM LABS INC.

5011 Blum Road, Suite 1 • Martinez, CA 94553
Phone (510) 372-3700 • Fax (510) 372-6955

286-001.1A\1342\013314

Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 02-09-94
Date Received: 02-11-94
Date Analyzed: 02-23-94

Sample Number	Sample Description
024271	Project # 286-001.1A John B. Henry Estate 1726 Park St. - Alameda B29-8' SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	480
Benzene	0.005	2.3
Toluene	0.005	1.2
Xylenes	0.005	2.3
Ethylbenzene	0.005	12

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

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Fred Chaudhuri for

Ronald G. Evans
Lab Director

MOBILE CHEM LABS INC.

5011 Blum Road, Suite 1 • Martinez, CA 94553
Phone (510) 372-3700 • Fax (510) 372-6955

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Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
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Date Sampled: 02-09-94
Date Received: 02-11-94
Date Analyzed: 02-23-94

Sample Number	Sample Description
024272	Project # 286-001.1A John B. Henry Estate 1726 Park St. - Alameda B30-3' SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	<1.0
Benzene	0.005	<0.005
Toluene	0.005	<0.005
Xylenes	0.005	<0.005
Ethylbenzene	0.005	<0.005

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

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Ronald G. Evans
Lab Director

MOBILE CHEM LABS INC.

5011 Blum Road, Suite 1 • Martinez, CA 94553
Phone (510) 372-3700 • Fax (510) 372-6955

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Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 02-09-94
Date Received: 02-11-94
Date Analyzed: 02-23-94

Sample Number	Sample Description
024273	Project # 286-001.1A John B. Henry Estate 1726 Park St. - Alameda B30-8' SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	<1.0
Benzene	0.005	<0.005
Toluene	0.005	<0.005
Xylenes	0.005	<0.005
Ethylbenzene	0.005	<0.005

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

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Ronald G. Evans
Lab Director

MOBILE CHEM LABS INC.

5011 Blum Road, Suite 1 • Martinez, CA 94553
Phone (510) 372-3700 • Fax (510) 372-6955

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Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 02-10-94
Date Received: 02-11-94
Date Analyzed: 02-23-94

Sample Number	Sample Description
024274	Project # 286-001.1A John B. Henry Estate 1726 Park St. - Alameda MW3-5' SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	<1.0
Benzene	0.005	<0.005
Toluene	0.005	<0.005
Xylenes	0.005	<0.005
Ethylbenzene	0.005	<0.005

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

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Ronald G. Evans
Lab Director

MOBILE CHEM LABS INC.

5011 Blum Road, Suite 1 • Martinez, CA 94553
Phone (510) 372-3700 • Fax (510) 372-6955

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Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 02-10-94
Date Received: 02-11-94
Date Analyzed: 02-23-94

Sample Number	Sample Description
024275	Project # 286-001.1A John B. Henry Estate 1726 Park St. - Alameda MW3-7' SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	<1.0
Benzene	0.005	<0.005
Toluene	0.005	<0.005
Xylenes	0.005	<0.005
Ethylbenzene	0.005	<0.005

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

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Ronald G. Evans
Lab Director

MOBILE CHEM LABS INC.

5011 Blum Road, Suite 1 • Martinez, CA 94553
Phone (510) 372-3700 • Fax (510) 372-6955

286-001.1A\1342\013314

Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 02-10-94
Date Received: 02-11-94
Date Analyzed: 02-22-94

Sample Number	Sample Description
024276	Project # 286-001.1A John B. Henry Estate 1726 Park St. - Alameda MW3-10' SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	<1.0
Benzene	0.005	<0.005
Toluene	0.005	<0.005
Xylenes	0.005	<0.005
Ethylbenzene	0.005	<0.005

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

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Ronald G. Evans
Lab Director

MOBILE CHEM LABS INC.

5011 Blum Road, Suite 1 • Martinez, CA 94553
Phone (510) 372-3700 • Fax (510) 372-6955

286-001.1A\1342\013314

Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 02-10-94
Date Received: 02-11-94
Date Analyzed: 02-22-94

Sample Number	Sample Description
024277	Project # 286-001.1A John B. Henry Estate 1726 Park St. - Alameda MW4-5' SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	<1.0
Benzene	0.005	<0.005
Toluene	0.005	<0.005
Xylenes	0.005	<0.005
Ethylbenzene	0.005	<0.005

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

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for Ronald G. Evans
Lab Director

MOBILE CHEM LABS INC.

5011 Blum Road, Suite 1 • Martinez, CA 94553
Phone (510) 372-3700 • Fax (510) 372-6955

286-001.1A\1342\013314

Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 02-10-94
Date Received: 02-11-94
Date Analyzed: 02-22-94

Sample Number	Sample Description
024278	Project # 286-001.1A John B. Henry Estate 1726 Park St. - Alameda MW4-8' SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	<1.0
Benzene	0.005	<0.005
Toluene	0.005	<0.005
Xylenes	0.005	<0.005
Ethylbenzene	0.005	<0.005

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

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Ronald G. Evans
Lab Director

MOBILE CHEM LABS INC.

5011 Blum Road, Suite 1 • Martinez, CA 94553
Phone (510) 372-3700 • Fax (510) 372-6955

286-001.1A\1342\013314

Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 02-10-94
Date Received: 02-11-94
Date Analyzed: 02-22-94

Sample Number	Sample Description
024279	Project # 286-001.1A John B. Henry Estate 1726 Park St. - Alameda MW4-10' SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	<1.0
Benzene	0.005	<0.005
Toluene	0.005	<0.005
Xylenes	0.005	<0.005
Ethylbenzene	0.005	<0.005

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

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Ronald G. Evans
Lab Director

MOBILE CHEM LABS INC.

5011 Blum Road, Suite 1 • Martinez, CA 94553
Phone (510) 372-3700 • Fax (510) 372-6955

286-001.1A\1342\013314

Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
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Attn: Maree Doden
Pacific Contact

Date Sampled: 02-09-94
Date Received: 02-11-94
Date Analyzed: 02-22-94

Sample Number	Sample Description
024280	Project # 286-001.1A John B. Henry Estate 1726 Park St. - Alameda MW5-5' SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	<1.0
Benzene	0.005	<0.005
Toluene	0.005	<0.005
Xylenes	0.005	<0.005
Ethylbenzene	0.005	<0.005

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

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Ronald G. Evans
Lab Director

MOBILE CHEM LABS INC.

5011 Blum Road, Suite 1 • Martinez, CA 94553
Phone (510) 372-3700 • Fax (510) 372-6955

286-001.1A\1342\013314

Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 02-09-94
Date Received: 02-11-94
Date Analyzed: 02-23-94

Sample Number	Sample Description
024281	Project # 286-001.1A John B. Henry Estate 1726 Park St. - Alameda MW5-7' SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	24
Benzene	0.005	0.050
Toluene	0.005	0.16
Xylenes	0.005	0.44
Ethylbenzene	0.005	0.053

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

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Ronald G. Evans
Lab Director

MOBILE CHEM LABS INC.

5011 Blum Road, Suite 1 • Martinez, CA 94553
Phone (510) 372-3700 • Fax (510) 372-6955

286-001.1A\1342\013314

Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 02-09-94
Date Received: 02-11-94
Date Analyzed: 02-22-94

Sample Number	Sample Description
024282	Project # 286-001.1A John B. Henry Estate 1726 Park St. - Alameda MW5-10' SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	1.2
Benzene	0.005	0.007
Toluene	0.005	<0.005
Xylenes	0.005	0.031
Ethylbenzene	0.005	<0.005

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

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Ronald G. Evans
Lab Director

MOBILE CHEM LABS INC.

5011 Blum Road, Suite 1 • Martinez, CA 94553
Phone (510) 372-3700 • Fax (510) 372-6955

286-001.1A\1342\013314

Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 02-09-94
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Date Analyzed: 02-22-94

Sample Number	Sample Description
024283	Project # 286-001.1A John B. Henry Estate 1726 Park St. - Alameda MW6-5' SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	64
Benzene	0.005	0.28
Toluene	0.005	0.23
Xylenes	0.005	2.5
Ethylbenzene	0.005	1.4

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

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Ronald G. Evans
Lab Director

MOBILE CHEM LABS INC.

5011 Blum Road, Suite 1 • Martinez, CA 94553
Phone (510) 372-3700 • Fax (510) 372-6955

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Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 02-09-94
Date Received: 02-11-94
Date Analyzed: 02-22-94

Sample Number	Sample Description
024284	Project # 286-001.1A John B. Henry Estate 1726 Park St. - Alameda MW6-7' SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	540
Benzene	0.005	2.4
Toluene	0.005	0.38
Xylenes	0.005	2.1
Ethylbenzene	0.005	13

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

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Ronald G. Evans
Lab Director

MOBILE CHEM LABS INC.

5011 Blum Road, Suite 1 • Martinez, CA 94553
Phone (510) 372-3700 • Fax (510) 372-6955

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Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 02-09-94
Date Received: 02-11-94
Date Analyzed: 02-22-94

Sample Number	Sample Description
024285	Project # 286-001.1A John B. Henry Estate 1726 Park St. - Alameda MW6-10' SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	1.7
Benzene	0.005	0.063
Toluene	0.005	<0.005
Xylenes	0.005	0.008
Ethylbenzene	0.005	0.17

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

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Ronald G. Evans
Lab Director

MOBILE CHEM LABS INC.

5011 Blum Road, Suite 1 • Martinez, CA 94553
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Date Analyzed: 02-23-94

Sample Number	Sample Description
024286	Project # 286-001.1A John B. Henry Estate 1726 Park St. - Alameda MW6-15' SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	<1.0
Benzene	0.005	<0.005
Toluene	0.005	<0.005
Xylenes	0.005	<0.005
Ethylbenzene	0.005	<0.005

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

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Ronald G. Evans
Lab Director

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5011 Blum Road, Suite 1 • Martinez, CA 94553
Phone (510) 372-3700 • Fax (510) 372-6955

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Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
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Pacific Contact

Date Sampled: 02-10-94
Date Received: 02-11-94
Date Analyzed: 02-22-94

Sample Number	Sample Description
024287	Project # 286-001.1A John B. Henry Estate 1726 Park St. - Alameda MW7-5' SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	<1.0
Benzene	0.005	<0.005
Toluene	0.005	<0.005
Xylenes	0.005	0.023
Ethylbenzene	0.005	<0.005

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

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Ronald G. Evans
Lab Director

MOBILE CHEM LABS INC.

5011 Blum Road, Suite 1 • Martinez, CA 94553
Phone (510) 372-3700 • Fax (510) 372-6955

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Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 02-10-94
Date Received: 02-11-94
Date Analyzed: 02-22-94

Sample Number	Sample Description
024288	Project # 286-001.1A John B. Henry Estate 1726 Park St. - Alameda MW7-7' SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	410
Benzene	0.005	1.0
Toluene	0.005	0.25
Xylenes	0.005	10
Ethylbenzene	0.005	1.2

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

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Ronald G. Evans
Lab Director

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Phone (510) 372-3700 • Fax (510) 372-6955

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Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 02-10-94
Date Received: 02-11-94
Date Analyzed: 02-22-94

Sample Number	Sample Description
024289	Project # 286-001.1A John B. Henry Estate 1726 Park St. - Alameda MW7-10' SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	<1.0
Benzene	0.005	<0.005
Toluene	0.005	<0.005
Xylenes	0.005	0.091
Ethylbenzene	0.005	0.014

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

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Ronald G. Evans
Lab Director

MOBILE CHEM LABS INC.

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Phone (510) 372-3700 • Fax (510) 372-6955

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

Date Sampled: 02-10-94
Date Received: 02-11-94
Date Analyzed: 02-22-94

Sample Number	Sample Description
024290	Project # 286-001.1A John B. Henry Estate 1726 Park St. - Alameda MW7-15' SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	<1.0
Benzene	0.005	<0.005
Toluene	0.005	<0.005
Xylenes	0.005	<0.005
Ethylbenzene	0.005	<0.005

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

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Ronald G. Evans
Lab Director

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5011 Blum Road, Suite 1 • Martinez, CA 94553
Phone (510) 372-3700 • Fax (510) 372-6955

286-001.1A\1342\013314

Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 02-09-94
Date Received: 02-11-94
Date Analyzed: 02-22-94

Sample Number	Sample Description
024291	Project # 286-001.1A John B. Henry Estate 1726 Park St. - Alameda MW8-5' SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	26
Benzene	0.005	0.014
Toluene	0.005	0.023
Xylenes	0.005	0.068
Ethylbenzene	0.005	0.073

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

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Lab Director

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5011 Blum Road, Suite 1 • Martinez, CA 94553
Phone (510) 372-3700 • Fax (510) 372-6955

286-001.1A\1342\013314

Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 02-09-94
Date Received: 02-11-94
Date Analyzed: 02-22-94

Sample Number	Sample Description
024292	Project # 286-001.1A John B. Henry Estate 1726 Park St. - Alameda MW8-7' SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	310
Benzene	0.005	2.2
Toluene	0.005	0.14
Xylenes	0.005	2.7
Ethylbenzene	0.005	1.7

QA/QC: Duplicate Deviation is 0.8%

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

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Lab Director

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5011 Blum Road, Suite 1 • Martinez, CA 94553
Phone (510) 372-3700 • Fax (510) 372-6955

286-001.1A\1342\013314

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2025 Gateway Place, Suite 440
San Jose, CA 95110
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Pacific Contact

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Date Received: 02-11-94
Date Analyzed: 02-22-94

Sample Number	Sample Description
024293	Project # 286-001.1A John B. Henry Estate 1726 Park St. - Alameda MW8-10' SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	<1.0
Benzene	0.005	<0.005
Toluene	0.005	<0.005
Xylenes	0.005	<0.005
Ethylbenzene	0.005	<0.005

QA/QC: Spike Recovery is 93%

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

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Lab Director

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5011 Blum Road, Suite 1 • Martinez, CA 94553
Phone (510) 372-3700 • Fax (510) 372-6955

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Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 02-09-94
Date Received: 02-11-94
Date Analyzed: 02-16-94

Sample Number	Sample Description	Detection Limit ppm	SOIL Total Petroleum Hydrocarbons as Diesel ppm
	John B. Henry Estate 1726 Park St. Project No.: 286-001.1A		
024248	B19-8'	5.0	<5.0
024250	B20-8'	5.0	170**
024251	B21-3'	5.0	<5.0
024252	B21-8'	5.0	<5.0
024253	B21-9 1/2'	5.0	<5.0
024258	B24-3'	5.0	<5.0
024259	B24-8'	5.0	<5.0
024260	B25-3'	5.0	<5.0
024261	B25-8'	5.0	<5.0
024262	B26-3'	5.0	<5.0

QA/QC: Duplicate Deviation on 024250 is 8.3%

** Quantitated as Kerosene

Note: Analysis was performed using EPA method 3550 and TPH LUFT.
(ppm) = (mg/kg)

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Ronald G. Evans
Lab Director

MOBILE CHEM LABS INC.

5011 Blum Road, Suite 1 • Martinez, CA 94553
Phone (510) 372-3700 • Fax (510) 372-6955

286-001.1A\1428\013314

Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 02-09/10-94
Date Received: 02-11-94
Date Analyzed: 02-16-94

John B. Henry Estate
1726 Park St.
Project No.: 286-001.1A

Sample Number	Sample Description	Detection Limit ppm	SOIL Total Petroleum Hydrocarbons as Diesel ppm
024263	B26-8'	5.0	<5.0
024277	MW4-5'	5.0	<5.0
024278	MW4-8'	5.0	<5.0
024279	MW4-10	5.0	<5.0

Note: Analysis was performed using EPA method 3550 and TPH LUFT.
(ppm) = (mg/kg)

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5011 Blum Road, Suite 1 • Martinez, CA 94553
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286-001.1A\1342\013314

Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 02-09-94
Date Received: 02-11-94
Date Analyzed: 02-17-94

Sample Number	Sample Description	Detection Limit ppm	SOIL Total Petroleum Hydrocarbons as Diesel ppm
	John B. Henry Estate 1726 Park St. Project No.: 286-001.1A		
024265	B27-6 1/2'	5.0	<5.0**

** Profile similar to Kerosene

Note: Analysis was performed using EPA method 3550 and TPH LUFT.
(ppm) = (mg/kg)

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286-001.1A\1223\013314

Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 02-09-94
Date Received: 02-11-94
Date Analyzed: 02-18-94

Sample Number	Sample Description	Detection Limit ppm	SOIL Gravimetric Waste Oil as Petroleum Oil ppm
	John B. Henry Estate - 1726 Park St., Alameda		
024248	B19-8'	50	<50
024250	B20-8'	50	160
024251	B21-3'	50	<50
024252	B21-8'	50	<50
024253	B21-9 1/2'	50	<50
024254	B22-3'	50	<50
024255	B22-8'	50	<50
024258	B24-3'	50	120
024259	B24-8'	50	<50
024260	B25-3'	50	<50
024261	B25-8'	50	<50
024262	MW4-8'	50	<50

QA/QC: Spike Recovery on 024248 is 95%
Duplicate Deviation on 024250 is 3.2%

Note: Analysis was performed using EPA extraction method 3550 with Trichlorotrifluoroethane as solvent, and gravimetric determination by standard methods 5520
(ppm) = (mg/kg)

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286-001.1A\1718\013314

Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 02-09-94
Date Received: 02-11-94
Date Analyzed: 02-18-94

Sample Number	Sample Description
024252	Project # 286-001.1A John B. Henry Estate 1726 Park St. - Alameda B21-8' SOIL

EPA METHOD 8240
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Benzene	<5.0	ND	
Bromodichloromethane	<2.0	ND	
Bromoform	<2.0	ND	
Bromomethane	<5.0	ND	
Carbon Tetrachloride	<2.0	ND	
Chlorobenzene	<2.0	ND	
Chloroethane	<5.0	ND	
Chloroform	<5.0	ND	
Chloromethane	<5.0	ND	
Dibromochloromethane	<2.0	ND	
1,1-Dichloroethane	<5.0	ND	
1,2-Dichloroethane	<5.0	ND	
1,1-Dichloroethene	<5.0	ND	
Trans-1,2-Dichloroethene	<5.0	ND	
1,2-Dichloropropane	<5.0	ND	
Cis-1,3-Dichloropropene	<5.0	ND	
Trans-1,3-Dichloropropene	<5.0	ND	
Ethylbenzene	<5.0	ND	
Methylene Chloride	<5.0	ND	
1,1,2,2-Tetrachloroethane	<5.0	ND	
Tetrachloroethene	<5.0	ND	
Toluene	<5.0	ND	
1,1,1-Trichloroethane	<5.0	ND	
1,1,2-Trichloroethane	<5.0	ND	
Trichloroethene	<2.0	ND	

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Pacific Contact

Date Sampled: 02-09-94
Date Received: 02-11-94
Date Analyzed: 02-18-94

Sample Number	Sample Description
024252	Project # 286-001.1A John B. Henry Estate 1726 Park St. - Alameda B21-8' SOIL

EPA METHOD 8240
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Vinyl Chloride	<5.0	ND	
Total Xylenes	<10.0	ND	
Acetone	<10.0	ND	
2-Butanone	<20.0	ND	
Carbon Disulfide	<5.0	ND	
2-Hexanone	<5.0	ND	
4-Methyl-2-Pentanone	<5.0	ND	
Styrene	<5.0	ND	
Vinyl Acetate	<20.0	ND	
Cis-1,2-Dichloroethene	<5.0	ND	

Note: Analysis was performed using EPA methods 5030 and 8240

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San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 02-10-94
Date Received: 02-11-94
Date Analyzed: 02-18-94

Sample Number	Sample Description
024278	Project # 286-001.1A John B. Henry Estate 1726 Park St. - Alameda MW4-8' SOIL

EPA METHOD 8240
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Benzene	<5.0	ND	
Bromodichloromethane	<2.0	ND	
Bromoform	<2.0	ND	
Bromomethane	<5.0	ND	
Carbon Tetrachloride	<2.0	ND	
Chlorobenzene	<2.0	ND	
Chloroethane	<5.0	ND	
Chloroform	<5.0	ND	
Chloromethane	<5.0	ND	
Dibromochloromethane	<2.0	ND	
1,1-Dichloroethane	<5.0	ND	
1,2-Dichloroethane	<5.0	ND	
1,1-Dichloroethene	<5.0	ND	
Trans-1,2-Dichloroethene	<5.0	ND	
1,2-Dichloropropane	<5.0	ND	
Cis-1,3-Dichloropropene	<5.0	ND	
Trans-1,3-Dichloropropene	<5.0	ND	
Ethylbenzene	<5.0	ND	
Methylene Chloride	<5.0	ND	
1,1,2,2-Tetrachloroethane	<5.0	ND	
Tetrachloroethene	<5.0	ND	
Toluene	<5.0	ND	
1,1,1-Trichloroethane	<5.0	ND	
1,1,2-Trichloroethane	<5.0	ND	
Trichloroethene	<2.0	ND	

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Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 02-10-94
Date Received: 02-11-94
Date Analyzed: 02-18-94

Sample Number	Sample Description
024278	Project # 286-001.1A John B. Henry Estate 1726 Park St. - Alameda MW4-8' SOIL

EPA METHOD 8240
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Vinyl Chloride	<5.0	ND	
Total Xylenes	<10.0	ND	
Acetone	<10.0	ND	
2-Butanone	<20.0	ND	
Carbon Disulfide	<5.0	ND	
2-Hexanone	<5.0	ND	
4-Methyl-2-Pentanone	<5.0	ND	
Styrene	<5.0	ND	
Vinyl Acetate	<20.0	ND	
Cis-1,2-Dichloroethene	<5.0	ND	

Note: Analysis was performed using EPA methods 5030 and 8240

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Attn: Maree Doden
Pacific Contact

Date Sampled: 02-09-94
Date Received: 02-11-94
Date Analyzed: 02-22-94

ETHYLENE DIBROMIDE

Sample Number	Sample Description	Detection Limit ppb	SOIL RESULTS ppb
	Project No.: 286-001.1A John B. Henry Estate 1726 Park Street - Alameda		
024265	B27-6 1/2'	2.0	<2.0
024284	MW6-7'	2.0	<2.0

Note: Analysis was performed using EPA methods 5030 with method 624.
(ppb) = (µg/kg)

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Attn: Maree Doden
Pacific Contact

Date Sampled: 02-09/10-94
Date Received: 02-11-94
Date Analyzed: 02-22-94

CADMIUM

Sample Number	Sample Description	Detection Limit ppm	SOIL RESULTS ppm
	John B. Henry Estate 1726 Park Street Proj # 286-001.1A		
024252	B21-8'	0.05	<0.05
024278	MW4-8'	0.05	<0.05

QA/QC: Spike Recovery on 024278 is 73%
Duplicate Deviation on 024252 is 12.0%

Note: Analysis was performed using EPA method 7130
(ppm) = (mg/kg)

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Pacific Contact

Date Sampled: 02-09/10-94
Date Received: 02-11-94
Date Analyzed: 02-22-94

CHROMIUM

Sample Number	Sample Description	Detection Limit ppm	SOIL RESULTS ppm
	John B. Henry Estate 1726 Park Street Proj # 286-001.1A		
024252	B21-8'	0.25	8.6
024278	MW4-8'	0.25	9.1

QA/QC: Spike Recovery on 024278 is 89%
Duplicate Deviation on 024252 is 5.0%

Note: Analysis was performed using EPA method 7190
(ppm) = (mg/kg)

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Date Sampled: 02-09/10-94
Date Received: 02-11-94
Date Analyzed: 02-22-94

TOTAL LEAD

Proj # 286-001.1A
John B. Henry Estate
1726 Park Street

Sample Number	Sample Description	Detection Limit ppm	SOIL RESULTS ppm
024252	B21-8'	0.1	3.0
024278	MW4-8'	0.1	3.0

QA/QC: Spike Recovery on 024278 is 72%
Duplicate Deviation on 024252 is 6.7%

Note: Analysis was performed using EPA method 7420
(ppm) = (mg/kg)

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Attn: Maree Doden
Pacific Contact

Date Sampled: 02-09/10-94
Date Received: 02-11-94
Date Analyzed: 02-22-94

ZINC

Sample Number	Sample Description	Detection Limit ppm	SOIL RESULTS ppm
	John B. Henry Estate 1726 Park Street Proj # 286-001.1A		
024252	B21-8'	0.05	18
024278	MW4-8'	0.05	17

QA/QC: Spike Recovery on 024278 is 109%
Duplicate Deviation on 024252 is 11.1%

Note: Analysis was performed using EPA method 7950
(ppm) = (mg/kg)

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Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 02-09/10-94
Date Received: 02-11-94
Date Analyzed: 02-22-94

NICKEL

Sample Number	Sample Description	Detection Limit ppm	SOIL RESULTS ppm
	John B. Henry Estate 1726 Park Street Proj # 286-001.1A		
024252	B21-8'	0.1	18
024278	MW4-8'	0.1	17

QA/QC: Duplicate Deviation on 024252 is 15.0%

Note: Analysis was performed using EPA method 7520
(ppm) = (mg/kg)

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Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 02-09-94
Date Received: 02-11-94
Date Analyzed: 02-22-94

ORGANIC LEAD

Sample Number	Sample Description	Detection Limit ppm	SOIL RESULTS ppm
	Project No.: 286-001.1A John B. Henry Estate 1726 Park Street		
024284	MW6-7'	0.5	<0.5
024265	B27-6 1/2'	0.5	<0.5

Note: California LUFT 12/87
(ppm) = (mg/kg)

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Lab Director

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. 286.001.1A

Facility No. Estate of John B Henry | Facility Address: 1726 Park St, Alameda | Billing Refence Number: 24507

CLIENT engineer: Elsie Nalsuno | PACIFIC Point of Contact: M. Dooley | Sampler: L. Demian | Laboratory Name: MOBILE CHEM

Sample I.D.	Cont. No.	Container Size (ml)	Sample Preserv.	Matrix (W=water S=soil A=air)	Type (G=grab D=disc. C=comp.)	Sampling Date	Sampling Time	BTEX/ VPHgas (8015/ 8020)	TPH Diesel (8015)	Oil and Grease (5520)	Dislvd. Metals (Total) *	VOC (EPA 624/ 8240)	SVOC (EPA 627/ 8270)	HVOC (EPA 601/ 8010)	ORGANIC LEAD *	HYDRAULIC OIL
B19-3'	1	6"	NP	S	D	2/9/94		X								
B19-8'								X	X	X						
B20-3'								X								
B20-8'								X	X	X						
B21-3'								X	X	X						
B21-8'								X	X	X	X	X	X			
B21-9½'								X	X	X						
B22-3'																X
B22-8'																X
B23-3'								X								

Comments:

* METALS Pb, Cd, Cr, Ni, & Zn by AA

* ~~Organic lead~~ for TEL + EDB

1 of 5

Condition of Sample:

Temperature Received: ON ICE

Relinquished by	Date	Time	Received by	Date	Time
	2/11/94	12:00			
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by laboratory	Date	Time
			Dale Levine	2-11-94	12:05

Mail original Analytical Report to:

Pacific Environmental Group
- 2025 Gateway Place #440, San Jose, CA 95110 ☐
- 620 Contra Costa Blvd. #209, Pleasant Hill, CA 94523 ☐
- 25725 Jeronimo Rd. #576C, Mission Viejo, CA 92622 ☐
- 4020 148th Ave NE #B, Redmond, WA 98052 ☐

Turnaround Time:

- Priority Rush (1 day) ☐
- Rush (2 days) ☐
- Expedited (5 days) ☐
- Standard (10 days) ☒
- As Contracted ☐

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 1A

Facility No. ESTATE OF JOHN B HENRY | Facility Address: 1726 PARK STREET | Billing Refence Number:

CLIENT engineer: ELSIE MATSUNO | PACIFIC Point of Contact: M. DODEN | Sampler: L. DEMIAN | Laboratory Name: MOBILE CHEM

Sample I.D.	Cont. No.	Container Size (ml)	Sample Preserv.	Matrix (W=water, S=soil, A=air)	Type (G=grab, D=disc., C=comp.)	Sampling Date	Sampling Time	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)	ORGANIC LEAD **	HYDRAULIC OIL
B23-8'	1	6"	NP	S	D	2/9/94		X								
B24-3'								X	X	X						
B24-8'								X	X	X						
B25-3'								no X	X	X						X
B25-8'									X	X						X
B26-3'								X	X							
B26-8'								X	X							
B27-3'								X	no X							
B27-6½'								X	X						X	
B27-11½'	↓	↓	↓	↓	↓	↓		X	X							

Comments:

2 of 5

Condition of Sample:

Temperature Received: On Ice

Relinquished by	Date	Time	Received by	Date	Time
[signature]	2/11/94	12:00			
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by laboratory: DAVE, KEVIN	Date	Time: 2-11-94-12:05

Mail original Analytical Report to:
Pacific Environmental Group
2025 Gateway Place #440 ☐
San Jose, CA 95110
620 Contra Costa Blvd. #209 ☐
Pleasant Hill, CA 94523
25725 Jeronimo Rd. #576C ☐
Mission Viejo, CA 92622
4020 148th Ave NE #B ☐
Redmond, WA 98052

Turnaround Time:
Priority Rush (1 day) ☐
Rush (2 days) ☐
Expedited (5 days) ☐
Standard (10 days) ☒
As Contracted ☐

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. 286-001.1A

Facility No. Estate of John B Henry | Facility Address: 1726 Park Street, Alameda | Billing Refence Number:

CLIENT engineer: ELSIE MATSUNO | PACIFIC Point of Contact: M. DODEN | Sampler: L. DEMINN | Laboratory Name: MOBILE CHEM

Sample I.D.	Cont. No.	Container Size (ml)	Sample Preserv.	Matrix (W=water, S=soil, A=air)	Type (G=grab, D=disc., C=comp.)	Sampling Date	Sampling Time	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)	Comments:
✓ B28-3'	1	6"	NP	S	D	2/9/94		X							
✓ B28-5'								X	X						
✓ B28-8'								X	X						
✓ B29-3'								X							
✓ B29-8'								X							
✓ B30-3'								X	X						
✓ B30-8'								X	X						3 of 5
✓ MW3-5'						2/10/94		X							
✓ MW3-7'								X							
✓ MW3-10'	↓	↓	↓	↓	↓	↓		X							

Condition of Sample:

Temperature Received: On ICE

Relinquished by	Date	Time	Received by	Date	Time
[signature]	2/11/94	12:00			
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by laboratory: DAVE, RENE,	Date	Time: 2-11-94 12:05

Mail original Analytical Report to:
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San Jose, CA 95110
620 Contra Costa Blvd. #209 ☐
Pleasant Hill, CA 94523
25725 Jeronimo Rd. #576C ☐
Mission Viejo, CA 92622
4020 148th Ave NE #B ☐
Redmond, WA 98052

Turnaround Time:
Priority Rush (1 day) ☐
Rush (2 days) ☐
Expedited (5 days) ☐
Standard (10 days) ☒
As Contracted ☐

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 0011A

Facility No. ESTATE OF JOHN B. HENRY | Facility Address: 1726 PARK ST, ALAMEDA | Billing Refence Number:

CLIENT engineer: ELSIE MATSUNO | PACIFIC Point of Contact: M. DODEN | Sampler: L. DEMIAN | Laboratory Name: MOBILE CHEM

Sample I.D.	Cont. No.	Container Size (ml)	Sample Preserv.	Matrix (W=water, S=soil, A=air)	Type (G=grab, D=disc, C=comp.)	Sampling Date	Sampling Time	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)	ORGANIC LEAD **
MW4-5'	1	6"	NP	S	D	2/10/94	2'	X	X						
MW4-8'								X	X	X	X	X	X	X	
MW4-10'								X	X						
MW5-5'						2/9/94		X							
MW5-7'								X	X						
MW5-10'								X	X						
MW6-5'								X							
MW6-7'								X							X
MW6-10'								X	X						
MW8-15'								X	X						

Comments:

* Metals Pb, Cd, Cr, Ni, & Zn by AA

** ORGANIC LEAD FOR TEL + EDB

4 of 5

Condition of Sample:

Temperature Received: ON ICE

Relinquished by	Date	Time	Received by	Date	Time
	2/11/94	12:00			
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by laboratory	Date	Time
				2-11-94	2:05

Mail original Analytical Report to:

- Pacific Environmental Group, 2025 Gateway Place #440, San Jose, CA 95110 ☐
- 620 Contra Costa Blvd. #209, Pleasant Hill, CA 94523 ☐
- 25725 Jeronimo Rd. #576C, Mission Viejo, CA 92622 ☐
- 4020 148th Ave NE #B, Redmond, WA 98052 ☐

Turnaround Time:

- Priority Rush (1 day) ☐
- Rush (2 days) ☐
- Expedited (5 days) ☐
- Standard (10 days) ☒
- As Contracted ☐

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. 286-001.1A

Facility No. ESTATE OF JOHN B. HENRY | Facility Address: 1726 PARK STREET, ALAMEDA | Billing Refence Number:

CLIENT engineer: ELSIE MATSUNO | PACIFIC Point of Contact: M. DODEN | Sampler: L. DEMIAN | Laboratory Name: MOBILE CHEM

Sample I.D.	Cont. No.	Container Size (ml)	Sample Preserv.	Matrix (W=water S=soil A=air)	Type (G=grab D=disc. C=comp.)	Sampling Date	Sampling Time	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)	Comments:
MW7-5'	1	6"	NP	S	D	2/10/94		X							
MW7-7'								X	X						
MW7-10'								X	X						
MW7-15'						↓		X							
MW8-5						2/9/94		X							
MW8-7								X	X						
MW8-10						↓		X							5 of 5

Condition of Sample:

Temperature Received: ON ICE

Relinquished by	Date	Time	Received by	Date	Time
	2/11/94	12:00			
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by laboratory: Dave Henry	Date	Time
				2-11-94	12:05

Mail original Analytical Report to:
Pacific Environmental Group
2025 Gateway Place #440 ☐
San Jose, CA 95110
620 Contra Costa Blvd. #209 ☐
Pleasant Hill, CA 94523
25725 Jeronimo Rd. #576C ☐
Mission Viejo, CA 92622
4020 148th Ave NE #B ☐
Redmond, WA 98052

Turnaround Time:
Priority Rush (1 day) ☐
Rush (2 days) ☐
Expedited (5 days) ☐
Standard (10 days) ☒
As Contracted ☐

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

Chain of Custody

PROJECT No. 286·001·1A

Facility No. Estate of John B Henry | Facility Address: 1726 Park St, Alameda | Billing Refence Number: 24507

CLIENT engineer: Elsie Matsuno | PACIFIC Point of Contact: M. Doden | Sampler: L. Demian | Laboratory Name: MOBILE CHEM

Sample I.D.	Cont. No.	Container Size (ml)	Sample Preserv.	Matrix (W=water S=soil A=air)	Type (G=grab D=disc. C=comp.)	Sampling Date	Sampling Time	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)	~~ORGANIC LEAD~~ ND **	HYDRAULIC OIL		
B19-3 **	1	6"	NP	S	D	2/9/94		X										
B19-8 ~~**~~ ND								X	X	X								
B20-3 **								X										
B20-8'								X	X	X								
B21-3'								X	X	X								
B21-8'								X	X	X	X	X	X					
B21-9½'								X	X	X								
B22-3'																X		
B22-8'																X		
B23-3'								X										

Comments:
* METALS Pb, Cd, Cr, Ni, + Zn by AA

** ND ~~Organic lead for TEL + EDB~~

** 2/28/94 Pls. analyze B19-3' + B20-3' for oil + grease Per L.D.

1 of 5

Please identify Kerosene, Diesel + waste oil

Condition of Sample:

Temperature Received: ON ICE

Relinquished by	Date	Time	Received by	Date	Time
[signature]	2/11/94	12:00			
Relinquished by			Received by		
Relinquished by			Received by		
Relinquished by			Received by laboratory: [signature]	2-11-94	12:05

Mail original Analytical Report to: Pacific Environmental Group

- [ ] 2025 Gateway Place #440, San Jose, CA 95110
- [ ] 620 Contra Costa Blvd. #209, Pleasant Hill, CA 94523
- [ ] 25725 Jeronimo Rd. #576C, Mission Viejo, CA 92622
- [ ] 4020 148th Ave NE #B, Redmond, WA 98052

Turnaround Time:

- [ ] Priority Rush (1 day)
- [ ] Rush (2 days)
- [x] Expedited (5 days) **
- [x] Standard (10 days)
- [ ] As Contracted

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 1A

Facility No. ESTATE OF JOHN B HENRY | Facility Address: 1726 PARK STREET | Billing Refence Number:

CLIENT engineer: ELSIE MATSUNO | PACIFIC Point of Contact: M. DODEN | Sampler: L. DEMIAN | Laboratory Name: MOBILE CHEM

Sample I.D.	Cont. No.	Container Size (ml)	Sample Preserv.	W=water S=soil A=air Matrix	G=grab D=disc. C=comp. Type	Sampling Date	Sampling Time	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)	ORGANIC LEAD **	HYDRAULIC OIL
B23-8'	1	6"	NP	S	D	2/9/94		X								
B24-3'								X	X	X						
B24-8'								X	X	X						
B25-3'								nc X	X	X						X
B25-8'									X	X						X
B26-3'								X	X							
B26-8'								X	X							
B27-3'								X	no X							
B27-6½'								X	X						X	
B27-11½'	↓	↓	↓	↓	↓			X	X							

Comments:
Please identify Diesel Kerosene & waste oil

2 of 5

Condition of Sample:

Temperature Received: On Ice

Relinquished by	Date	Time	Received by	Date	Time
	2/11/94	12:00			
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by laboratory: Mike Levine	2-11-94	12:05

Mail original Analytical Report to:
Pacific Environmental Group
- 2025 Gateway Place #440, San Jose, CA 95110 ☐
- 620 Contra Costa Blvd. #209, Pleasant Hill, CA 94523 ☐
- 25725 Jeronimo Rd. #576C, Mission Viejo, CA 92622 ☐
- 4020 148th Ave NE #B, Redmond, WA 98052 ☐

Turnaround Time:
- Priority Rush (1 day) ☐
- Rush (2 days) ☐
- Expedited (5 days) ☐
- Standard (10 days) ☒
- As Contracted ☐

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. 286-001.1A

Facility No. Estate of John B Henry | Facility Address: 1726 Davis STREET, ALAMEDA | Billing Refence Number:

CLIENT engineer: ELSIE MATSUNO | PACIFIC Point of Contact: M. DODEN | Sampler: L DEMINN | Laboratory Name: MOBILE CHEM

Sample I.D.	Cont. No.	Container Size (ml)	Sample Preserv.	Matrix (W=water, S=soil, A=air)	Type (G=grab, D=disc., C=comp.)	Sampling Date	Sampling Time	BTEX/ VPHgas (8015/ 8020)	TPH Diesel (8015)	Oil and Grease (5520)	Total Dis/vd. Metals	VOC (EPA 624/ 8240)	SVOC (EPA 627/ 8270)	HVOC (EPA 601/ 8010)
B28-3'	1	6"	NP	S	D	2/9/94		X						
B28-5'								X	X					
B28-8'								X	X					
B29-3'								X						
B29-8'								X						
B30-3'								X	X					
B30-8'								X	X					
MW3-5'						2/10/94		X						
MW3-7'								X						
MW3-10'								X						

Comments:

Please identify Diesel, waste oil + Kerosene

3 of 5

Condition of Sample:

Temperature Received: On ICE

Relinquished by	Date	Time	Received by	Date	Time
	2/11/94	12:00			
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by laboratory	Date	Time
			DAVE, KEVIN,	2-11-94	12:05

Mail original Analytical Report to:

- Pacific Environmental Group
- 2025 Gateway Place #440, San Jose, CA 95110 ☐
- 620 Contra Costa Blvd. #209, Pleasant Hill, CA 94523 ☐
- 25725 Jeronimo Rd. #576C, Mission Viejo, CA 92622 ☐
- 4020 148th Ave NE #B, Redmond, WA 98052 ☐

Turnaround Time:

- Priority Rush (1 day) ☐
- Rush (2 days) ☐
- Expedited (5 days) ☐
- Standard (10 days) ☒
- As Contracted ☐

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 0011A

Facility No. ESTATE OF JOHN B. HENRY | Facility Address: 1726 PARK ST, ALAMEDA | Billing Refence Number:

CLIENT engineer: ELSIE MATSUNO | PACIFIC Point of Contact: M. DODEN | Sampler: L. DEMIAN | Laboratory Name: MOBILE CHEM

Sample I.D.	Cont. No.	Container Size (ml)	Sample Preserv.	Matrix (W=water, S=soil, A=air)	Type (G=grab, D=disc, C=comp.)	Sampling Date	Sampling Time	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)	ORGANIC LEAD **
MW4-5'	1	6"	NP	S	D	2/10/94	2'	X	X						
MW4-8'								X	X	X	X	X	X	X	
MW4-10'								X	X						
MW5-5'						2/9/94		X							
MW5-7'	XXX							X	X						
MW5-10'								X	X						
MW6-5'								X							
MW6-7'								X							X
MW6-10'								X	X						
MW8-15' x								X	X						

Comments:

* Metals Pb, Cd, Cr, Ni, & Zn by AA

** ORGANIC LEAD FOR TEL & EDB

XXX 3/7/94 Per L.D. added waste oil. must be on 72hr TAT.

4 of 5

Please identify Kerosene, diesel & waste oil.

Condition of Sample:

Temperature Received: ON ICE

Relinquished by	Date	Time	Received by	Date	Time
	2/11/94	12:00			
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by laboratory	Date	Time
			OKe Hevle	2-11-94	2:05

Mail original Analytical Report to:

Pacific Environmental Group

- 2025 Gateway Place #440, San Jose, CA 95110 ☐
- 620 Contra Costa Blvd. #209, Pleasant Hill, CA 94523 ☐
- 25725 Jeronimo Rd. #576C, Mission Viejo, CA 92622 ☐
- 4020 148th Ave NE #B, Redmond, WA 98052 ☐

Turnaround Time:

- Priority Rush (1 day) ☐
- Rush (2 days) ☐
- Expedited (5 days) ☐
- Standard (10 days) ☒
- As Contracted ☐

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. 286-001.1A

Facility No. ESTATE OF JOHN B. HENRY | Facility Address: 1726 PARK STREET, ALAMEDA | Billing Refence Number:

CLIENT engineer: ELSIE MATSUNO | PACIFIC Point of Contact: M. DODEN | Sampler: L. DEMIAN | Laboratory Name: MOBILE CHEM

Sample I.D.	Cont. No.	Container Size (ml)	Sample Preserv.	Matrix (W=water, S=soil, A=air)	Type (G=grab, D=disc., C=comp.)	Sampling Date	Sampling Time	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)	Comments:
✓ MW7-5'	1	6"	NP	S	D	2/10/94		X							5 of 5
✓ MW7-7'								X	X						Please identify Kerosene, Diesel + waste oil
✓ MW7-10'								X	X						
✓ MW7-15'						↓		X							
✓ MW8-5						2/9/94		X							
✓ MW8-7								X	X						
✓ MW8-10						↓		X							

Condition of Sample:

Temperature Received: ON ICE

Relinquished by	Date	Time	Received by	Date	Time
[signature]	2/11/94	12:00			
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by laboratory	Date	Time
			0 Ave heater	2-11-94	12:05

Mail original Analytical Report to:
Pacific Environmental Group
2025 Gateway Place #440, San Jose, CA 95110 ☐
820 Contra Costa Blvd. #209, Pleasant Hill, CA 94523 ☐
25725 Jeronimo Rd. #576C, Mission Viejo, CA 92622 ☐
4020 148th Ave NE #B, Redmond, WA 98052 ☐

Turnaround Time:
Priority Rush (1 day) ☐
Rush (2 days) ☐
Expedited (5 days) ☐
Standard (10 days) ☒
As Contracted ☐

MOBILE CHEM LABS INC.

5011 Blum Road, Suite 1 • Martinez, CA 94553
Phone (510) 372-3700 • Fax (510) 372-6955

286-001.1A\1342\013316

Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 02-14-94
Date Received: 02-16-94
Date Analyzed: 02-23-94

Sample Number	Sample Description
024379	Project # 286-001.1A John B. Henry Estate 1726 Park Street MW4-3' SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	<1.0
Benzene	0.005	<0.005
Toluene	0.005	<0.005
Xylenes	0.005	<0.005
Ethylbenzene	0.005	<0.005

QA/QC: Spike Recovery is 63%

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

MOBILE CHEM LABS

Ronald G. Evans
Lab Director

MOBILE CHEM LABS INC.

5011 Blum Road, Suite 1 • Martinez, CA 94553
Phone (510) 372-3700 • Fax (510) 372-6955

286-001.1A\1342\013316

Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 02-14-94
Date Received: 02-16-94
Date Analyzed: 02-23-94

Sample Number	Sample Description	Detection Limit ppm	SOIL Total Petroleum Hydrocarbons as Diesel ppm
	John B. Henry Estate 1726 Park Street Project No.: 286-001.1A		
024379	MW4-3'	5.0	<5.0

QA/QC: Spike Recovery on 024379 is 80%

Note: Analysis was performed using EPA method 3550 and TPH LUFT.
(ppm) = (mg/kg)

MOBILE CHEM LABS

Ronald G. Evans
Lab Director

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. 286011A

Facility No. ESTATE OF JOHN B. HENRY | Facility Address: 1726 PARK ST ALAMEDA | Billing Refence Number: 24510 (ND)

CLIENT engineer: ELSIE MATSUNO | PACIFIC Point of Contact: LAINIE LEHMAN | Sampler: JAMES MONROE | Laboratory Name: MOBILE CHEM

Sample I.D.	Cont. No.	Container Size (ml)	Sample Preserv.	Matrix (W=water S=soil A=air)	Type (G=grab D=disc. C=comp.)	Sampling Date	Sampling Time	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)	Comments:
MW-4(3')	1	2x4"	NP	S	G	2-14-94	1700	X	X						

Condition of Sample:

Temperature Received: ON ICE NO head space

Relinquished by	Date	Time	Received by	Date	Time
James C Monroe	2-15-94	830	M Dodson	2/15/94	0830
Relinquished by	Date	Time	Received by	Date	Time
	2-16-94	2:25			
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by laboratory	Date	Time
			DAVE LEVINE	2-16-94	2:30

Mail original Analytical Report to:
Pacific Environmental Group
- 2025 Gateway Place #440 [X]
  San Jose, CA 95110
- 620 Contra Costa Blvd. #209 [ ]
  Pleasant Hill, CA 94523
- 25725 Jeronimo Rd. #576C [ ]
  Mission Viejo, CA 92622
- 4020 148th Ave NE #B [ ]
  Redmond, WA 98052

Turnaround Time:
- Priority Rush (1 day) [ ]
- Rush (2 days) [ ]
- Expedited (5 days) [ ]
- Standard (10 days) [X]
- As Contracted [ ]

MOBILE CHEM LABS INC.

5011 Blum Road, Suite 1 • Martinez, CA 94553
Phone (510) 372-3700 • Fax (510) 372-6955

286-001.1A\1342\013315

Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 02-09-94
Date Received: 02-23-94
Date Analyzed: 02-23-94

Sample Number	Sample Description
024523	Project # 286-001.1A John B. Henry Estate 1726 Park Street MW5-15' SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	<1.0
Benzene	0.005	<0.005
Toluene	0.005	<0.005
Xylenes	0.005	<0.005
Ethylbenzene	0.005	<0.005

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

MOBILE CHEM LABS

Ronald G. Evans
Lab Director

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. 286-001.1A

Facility No. Estate of John B Henry | Facility Address: 1726 Park St, Alameda | Billing Refence Number: 24507

CLIENT engineer: Elsie Matsuno | PACIFIC Point of Contact: M. Doden | Sampler: L. Demaris | Laboratory Name: Mobile Chem

Sample I.D.	Cont. No.	Container Size (ml)	Sample Preserv.	Matrix (W=water, S=soil, A=air)	Type (G=grab, D=disc., C=comp.)	Sampling Date	Sampling Time	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)	
MW5-15'	1.	6".	NP	S	D	2/9/94		X							

Comments:

Hold time is up on 2/23/94

Condition of Sample:

Temperature Received: On ICE

	Date	Time		Date	Time
Relinquished by	2/23/94	11:50	Received by M Doden	2/23/94	11:50
Relinquished by M Doden	2/23/94	2:45	Received by	Date	Time
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by laboratory Dave Levine	2-23-94	1:45

Mail original Analytical Report to:

Pacific Environmental Group

- 2025 Gateway Place #440, San Jose, CA 95110 ☒
- 620 Contra Costa Blvd. #209, Pleasant Hill, CA 94523 ☐
- 25725 Jeronimo Rd. #576C, Mission Viejo, CA 92622 ☐
- 4020 148th Ave NE #B, Redmond, WA 98052 ☐

Turnaround Time:

- Priority Rush (1 day) ☒
- Rush (2 days) ☐
- Expedited (5 days) ☐
- Standard (10 days) ☐
- As Contracted ☐

MOBILE CHEM LABS INC.

5011 Blum Road, Suite 1 • Martinez, CA 94553
Phone (510) 372-3700 • Fax (510) 372-6955

286-001.1A\1223\013342

Pacific Environmental Group
2025 Gateway Place, #440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 02-09-94
Date Received: 02-11-94
Date Analyzed: 03-03-94

Sample Number	Sample Description	Detection Limit ppm	SOIL Gravimetric Waste Oil as Petroleum Oil ppm
	Project # 286-001.1A John B. Henry Estate 1726 Park Street		
024247	B19-3'	50	220**
024249	B20-3'	50	<50

** Appears to be a light petroleum. Most likely Hydraulic Oil.

QA/QC: Duplicate Deviation on 024247 is 7.3%

Note: Analysis was performed using EPA extraction method 3550 with Trichlorotrifluoroethane as solvent, and gravimetric determination by standard methods 5520
(ppm) = (mg/kg)

MOBILE CHEM LABS

Ronald G. Evans
Lab Director

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. 286-001.1A | Facility Address: 1726 Park St, Alameda | Billing Reference Number: 24507

Facility No. Estate of John B Henry | PACIFIC Point of Contact: M. Deden | Sampler: L. Demian | Laboratory Name: MOBILE CHEM

CLIENT engineer: Elsie Matsuno

Sample ID	Cont. No	Container Size (ml)	Sample Preserv.	Matrix (W=water, S=soil, A=air)	Type (G=grab, D=disc., C=comp.)	Sampling Date	Sampling Time	BTEX/ VPHgas (8015/ 8020)	TPH Diesel (8015)	Oil and Grease (5520)	Total Dissvd. Metals	VOC (EPA 624/ 8240)	SVOC (EPA 627/ 8270)	HVOC (EPA 601/ 8010)	ORGANIC LEAD **	HYDRAULIC OIL
B19-3 **	1	6"	NP	S	D	2/9/94		X								
B19-8 ***	MD							X	X	X						
B20-3 **								X								
B20-8'								X	X	X						
B21-3'								X	X	X						
B21-8'								X	X	X	X	X	X			
B21-9½'								X	X	X						
B22-3'																X
B22-8'																X
B23-3'								X								

Comments:

* METALS Pb, Ca, Cr, Ni, & Zn by AA

~~* Organic lead for TEL & EDB~~

** 2/28/94 Pls. analyse B19-3' + B20-3' for oil + grease Per L.D.

1 of 5

Please identify Kerosene, Diesel & Waste oil

Condition of Sample:

Temperature Received: ON ICE

Relinquished by	Date	Time	Received by	Date	Time
	2/11/94	12:00			
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by laboratory	Date	Time
			Mike, Leisa	2-11-94	12:05

Mail original Analytical Report to:

- Pacific Environmental Group, 2025 Gateway Place #440, San Jose, CA 95110 ☐
- 620 Contra Costa Blvd. #209, Pleasant Hill, CA 94523 ☐
- 25725 Jeronimo Rd. #578C, Mission Viejo, CA 92622 ☐
- 4020 148th Ave NE #B, Redmond, WA 98052 ☐

Turnaround Time:

- Priority Rush (1 day) ☐
- Rush (2 days) ☐
- Expedited (5 days) ** ☒
- Standard (10 days) ☒
- As Contracted ☐

MOBILE CHEM LABS INC.

5011 Blum Road, Suite 1 • Martinez, CA 94553
Phone (510) 372-3700 • Fax (510) 372-6955

286.001.1A\1223\013334

Pacific Environmental Group
2025 Gateway Place, #440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 02-09-94
Date Received: 02-11-94
Date Analyzed: 03-08-94

Sample Number	Sample Description	Detection Limit ppm	SOIL Gravimetric Waste Oil as Petroleum Oil ppm
	Project # 286-001.1A John B. Henry Estate 1726 Park Street		
024280	MW5-5'	50	180
024281	MW5-7'	50	<50
024282	MW5-10'	50	<50

QA/QC: Duplicate Deviation on 024280 is 2.8%

Note: Analysis was performed using EPA extraction method 3550 with Trichlorotrifluoroethane as solvent, and gravimetric determination by standard methods 5520
(ppm) = (mg/kg)

MOBILE CHEM LABS

Fred Choate
for

Ronald G. Evans
Lab Director

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 0011A | Facility Address: 1726 PARK ST, ALAMEDA | Billing Refence Number:

Facility No. ESTATE OF JOHN B. HENRY | PACIFIC Point of Contact: M. DODEN | Sampler: L. DEMIAN | Laboratory Name: MOBILE CHEM

CLIENT engineer: ELSIE MATSUNO

W=water S=soil A=air | G=grab D=disp. C=comp.

Sample I.D.	Cont. No.	Container Size (ml)	Sample Preserv.	Matrix	Type	Sampling Date	Sampling Time	BTEX/ VPHgas (8015/ 8020)	TPH Diesel (8015)	Oil and Grease (5520)	Total Disivd. Metals *	VOC (EPA 624/ 8240)	SVOC (EPA 627/ 8270)	HVOC (EPA 601/ 8010)	ORGANIC LEAD **
MW4-5'	1	6"	NP	S	D	2/10/94	12'	X	X						
MW4-8'								X	X	X	X	X	X	X	
MW4-10'								X	X						
MW5-5' ← Acc 35220 (waste oil)						2/9/94		X							
MW5-7' ←								X	X						
MW5-10' ←								X	X						
MW6-5'								X							
MW6-7'								X							X
MW6-10'								X	X						
MW8-15'								X	X						

Comments:

* Metals Pb, Cd, Cr, Ni, & Zn by AA

** ORGANIC LEAD FOR TEL & EDB

4 of 5

Please identify Kerosene, diesel & waste oil.

Condition of Sample:

Temperature Received: ON ICE

	Date	Time		Date	Time
Relinquished by	2/11/94	12:00	Received by		
Relinquished by			Received by		
Relinquished by			Received by		
Relinquished by			Received by laboratory	2-11-94	2:05

Mail Original Analytical Report to:

Pacific Environmental Group
- 2025 Gateway Place #440, San Jose, CA 95110 ☐
- 620 Contra Costa Blvd. #209, Pleasant Hill, CA 94523 ☐
- 25725 Jeronimo Rd. #578C, Mission Viejo, CA 92622 ☐
- 4020 148th Ave NE #B, Redmond, WA 98052 ☐

Turnaround Time:

- Priority Rush (1 day) ☐
- Rush (2 days) ☐
- Expedited (5 days) ☐
- Standard (10 days) ☒
- As Contracted ☐

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286-001.1A\1718\013326

Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 02-14-94
Date Received: 02-16-94
Date Analyzed: 02-25-94

Sample Number	Sample Description
024393	Project # 286-001.1A John B. Henry Estate 1726 Park St., Alameda MW-3 WATER

ANALYSIS

	Detection Limit	Sample Results
	ppb	ppb
Total Petroleum Hydrocarbons as Gasoline	50	<50
Benzene	0.5	<0.5
Toluene	0.5	<0.5
Xylenes	0.5	<0.5
Ethylbenzene	0.5	<0.5

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 602 used for BTX distinction.
(ppb) = (µg/L)

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Ronald G. Evans
Lab Director

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Attn: Maree Doden
Pacific Contact

Date Sampled: 02-14-94
Date Received: 02-16-94
Date Analyzed: 02-25-94

Sample Number	Sample Description
024394	Project # 286-001.1A John B. Henry Estate 1726 Park St., Alameda MW-4 WATER

ANALYSIS

	Detection Limit	Sample Results
	ppb	ppb
Total Petroleum Hydrocarbons as Gasoline	50	<50
Benzene	0.5	<0.5
Toluene	0.5	<0.5
Xylenes	0.5	<0.5
Ethylbenzene	0.5	<0.5

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 602 used for BTX distinction.
(ppb) = (µg/L)

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Attn: Maree Doden
Pacific Contact

Date Sampled: 02-14-94
Date Received: 02-16-94
Date Analyzed: 02-25-94

Sample Number	Sample Description
024395	Project # 286-001.1A John B. Henry Estate 1726 Park St., Alameda MW-5 WATER

ANALYSIS

	Detection Limit	Sample Results
	ppb	ppb
Total Petroleum Hydrocarbons as Gasoline	50	<50
Benzene	0.5	<0.5
Toluene	0.5	<0.5
Xylenes	0.5	<0.5
Ethylbenzene	0.5	<0.5

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 602 used for BTX distinction.
(ppb) = (µg/L)

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San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 02-14-94
Date Received: 02-16-94
Date Analyzed: 02-25-94

Sample Number	Sample Description
024396	Project # 286-001.1A John B. Henry Estate 1726 Park St., Alameda MW-6 WATER

ANALYSIS

	Detection Limit	Sample Results
	ppb	ppb
Total Petroleum Hydrocarbons as Gasoline	50	1,100
Benzene	0.5	120
Toluene	0.5	2.2
Xylenes	0.5	13
Ethylbenzene	0.5	100

QA/QC: Duplicate Deviation is 2.9%

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 602 used for BTX distinction.
(ppb) = (µg/L)

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Lab Director

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Attn: Maree Doden
Pacific Contact

Date Sampled: 02-14-94
Date Received: 02-16-94
Date Analyzed: 02-25-94

Sample Number	Sample Description
024397	Project # 286-001.1A John B. Henry Estate 1726 Park St., Alameda MW-7 WATER

ANALYSIS

	Detection Limit	Sample Results
	ppb	ppb
Total Petroleum Hydrocarbons as Gasoline	50	14,000
Benzene	0.5	3.5
Toluene	0.5	95
Xylenes	0.5	4,000
Ethylbenzene	0.5	650

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 602 used for BTX distinction.
(ppb) = (µg/L)

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Attn: Maree Doden
Pacific Contact

Date Sampled: 02-14-94
Date Received: 02-16-94
Date Analyzed: 02-25-94

Sample Number	Sample Description
024398	Project # 286-001.1A John B. Henry Estate 1726 Park St., Alameda MW-8 WATER

ANALYSIS

	Detection Limit	Sample Results
	ppb	ppb
Total Petroleum Hydrocarbons as Gasoline	50	1,300
Benzene	0.5	15
Toluene	0.5	<0.5
Xylenes	0.5	110
Ethylbenzene	0.5	23

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 602 used for BTX distinction.
(ppb) = (µg/L)

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Attn: Maree Doden
Pacific Contact

Date Sampled: 02-14-94
Date Received: 02-16-94
Date Analyzed: 02-24-94

Sample Number	Sample Description	Detection Limit ppb	WATER Total Petroleum Hydrocarbons as Diesel ppb
	John B. Henry Estate 1726 Park St., Alameda Project No.: 286-001.1A		
024394	MW-4	50	<50

QA/QC: Spike Recovery is 68%

Note: Analysis was performed using EPA method 3510 and TPH LUFT.
(ppb) = (µg/L)

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Lab Director

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Pacific Environmental Group
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San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 02-14-94
Date Received: 02-16-94
Date Analyzed: 02-23-94

Sample Number	Sample Description	Detection Limit ppm	WATER Gravimetric Waste Oil as Petroleum Oil ppm
	Project # 286-001.1A John B. Henry Estate 1726 Park St., Alameda		
024394	MW-4	50	<50

QA/QC: Spike Recovery is 93%
Duplicate Deviation is 1.06%

Note: Analysis was performed using EPA extraction method 3550 with Trichlorotrifluoroethane as solvent, and gravimetric determination by standard methods 5520
(ppm) = (mg/kg)

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San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 02-14-94
Date Received: 02-16-94
Date Analyzed: 02-22-94

ORGANIC LEAD

Sample Number	Sample Description	Detection Limit ppm	WATER RESULTS ppm
	Project No.: 286-001.1A John B. Henry Estate 1726 Park Street, Alameda		
024396	MW-6	0.1	<0.1

Note: California LUFT 12/87
(ppm) = (mg/kg)

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Attn: Maree Doden
Pacific Contact

Date Sampled: 02-14-94
Date Received: 02-16-94
Date Analyzed: 02-25-94

Sample Number	Sample Description
024394	Project # 286-001.1A John B. Henry Estate 1726 Park St., Alameda MW-4 WATER

EPA METHOD 8240
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Benzene	<5.0	ND	
Bromodichloromethane	<2.0	ND	
Bromoform	<2.0	ND	
Bromomethane	<5.0	ND	
Carbon Tetrachloride	<2.0	ND	
Chlorobenzene	<2.0	ND	
Chloroethane	<5.0	ND	
Chloroform	<5.0	ND	
Chloromethane	<5.0	ND	
Dibromochloromethane	<2.0	ND	
1,1-Dichloroethane	<5.0	ND	
1,2-Dichloroethane	<5.0	ND	
1,1-Dichloroethene	<5.0	ND	
Trans-1,2-Dichloroethene	<5.0	ND	
1,2-Dichloropropane	<5.0	ND	
Cis-1,3-Dichloropropene	<5.0	ND	
Trans-1,3-Dichloropropene	<5.0	ND	
Ethylbenzene	<5.0	ND	
Methylene Chloride	<5.0	ND	
1,1,2,2-Tetrachloroethane	<5.0	ND	
Tetrachloroethene	<5.0	ND	
Toluene	<5.0	ND	
1,1,1-Trichloroethane	<5.0	ND	
1,1,2-Trichloroethane	<5.0	ND	
Trichloroethene	<2.0	ND	

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San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 02-14-94
Date Received: 02-16-94
Date Analyzed: 02-25-94

Sample Number	Sample Description
024394	Project # 286-001.1A John B. Henry Estate 1726 Park St., Alameda MW-4 WATER

EPA METHOD 8240
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Vinyl Chloride	<5.0	ND	
Total Xylenes	<10.0	ND	
Acetone	<10.0	ND	
2-Butanone	<20.0	ND	
Carbon Disulfide	<5.0	ND	
2-Hexanone	<5.0	ND	
4-Methyl-2-Pentanone	<5.0	ND	
Styrene	<5.0	ND	
Vinyl Acetate	<20.0	ND	
Cis-1,2-Dichloroethene	<5.0	ND	

Note: Analysis was performed using EPA methods 5030 and 8240

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Ronald G. Evans
Lab Director

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. 28600.11A

Facility No. ESTATE OF JOHN B. HENRY | Facility Address: 1726 PARK ST., ALAMEDA | Billing Refence Number: PO# 24510

CLIENT engineer: ELSIE MATSUNO | PACIFIC Point of Contact: LAINIE DEMIAN | Sampler: JAMES MONROE | Laboratory Name: MOBILE CHEM

Sample I.D.	Cont. No.	Container Size (ml)	Sample Preserv.	Matrix (W=water, S=soil, A=air)	Type (G=grab, D=disc., C=comp.)	Sampling Date	Sampling Time	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)	ORGANIC LEAD
MW-3	2	40mL	HCL	W	G	2-14-94	1740	X							
MW-4	2	40mL	HCL			2-14-94	1755	X							
	2	40mL	HCL			2-14-94	1755					X			
	3	1L	HCL			2-14-94	1755		X	X					
MW-5	2	40mL	HCL			2-14-94	1800	X							
MW-6	2	40mL	HCL			2-14-94	1815	X							
MW-6	~~1~~	1Lit	NP			2-14-94	1815		~~X~~ NAD						X
MW-7	2	40mL	HCL			2-14-94	1830	X							
MW-8	2	40mL	HCL	↓	↓	2-14-94	1840	X							

Comments:

~~FOR MW-4 ONLY~~

* MW-4 IDENTIFY DIESEL, KEROSENE AND WASTE OIL

ONLY ANALYSE MW-4 for Diesel

Condition of Sample:

Temperature Received: ON ICE NO head Space

Relinquished by	Date	Time	Received by	Date	Time
[signature]	2-15-94	800AM	M. Doder	2/15/94	0800
[signature]	2-16-94	2:15			
			Dave Heuer	2-16-94	2:30

Mail original Analytical Report to:

Pacific Environmental Group

- [X] 2025 Gateway Place #440, San Jose, CA 95110
- [ ] 620 Contra Costa Blvd. #209, Pleasant Hill, CA 94523
- [ ] 25725 Jeronimo Rd. #576C, Mission Viejo, CA 92622
- [ ] 4020 148th Ave NE #B, Redmond, WA 98052

Turnaround Time:

- [ ] Priority Rush (1 day)
- [ ] Rush (2 days)
- [ ] Expedited (5 days)
- [X] Standard (10 days)
- [ ] As Contracted

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286-001.1A\1342\013375

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2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 03-08-94
Date Received: 03-09-94
Date Analyzed: 03-11-94

Sample Number	Sample Description	Detection Limit	WATER Total Petroleum Hydrocarbons as Diesel
		ppb	ppb
	John B. Henry Estate 1726 Park St. - Alameda Project No.: 286-001.1A		
034080	MW-5(16')	50	<50

Note: Analysis was performed using EPA method 3510 and TPH LUFT.
(ppb) = (µg/L)

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Ronald G. Evans
Lab Director

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Attn: Maree Doden
Pacific Contact

Date Sampled: 03-08-94
Date Received: 03-09-94
Date Analyzed: 03-16-94

Sample Number	Sample Description	Detection Limit ppm	WATER Gravimetric Waste Oil as Petroleum Oil ppm
	Project # 286-001.1A John B. Henry Estate 1726 Park St.		
034080	MW-5(16')	50	<50

QA/QC: Spike Recovery is 85%
Duplicate Deviation is 2.8%

Note: Analysis was performed using EPA extraction method 3550 with Trichlorotrifluoroethane as solvent, and gravimetric determination by standard methods 5520
(ppm) = (mg/kg)

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Fred Chaske
for

Ronald G. Evans
Lab Director

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Attn: Maree Doden
Pacific Contact

Date Sampled: 03-08-94
Date Received: 03-09-94
Date Analyzed: 03-09-94

CADMIUM

Sample Number	Sample Description	Detection Limit ppm	WATER RESULTS ppm
	John B. Henry Estate 1726 Park St. Proj # 286-001.1A		
034080	MW-5(16')	0.05	<0.05

QA/QC: Spike Recovery is 88%
Duplicate Deviation is 10.7%

Note: Analysis was performed using EPA method 7130
(ppm) = (mg/kg)

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Date Sampled: 03-08-94
Date Received: 03-09-94
Date Analyzed: 03-09-94

CHROMIUM

John B. Henry Estate
1726 Park St.
Proj # 286-001.1A

Sample Number	Sample Description	Detection Limit ppm	WATER RESULTS ppm
034080	MW-5(16')	0.1	<0.1

QA/QC: Spike Recovery is 72%
Duplicate Deviation is 6.5%

Note: Analysis was performed using EPA method 7190
(ppm) = (mg/kg)

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Pacific Contact

Date Sampled: 03-08-94
Date Received: 03-09-94
Date Analyzed: 03-09-94

TOTAL LEAD

Sample Number	Sample Description	Detection Limit ppm	WATER RESULTS ppm
	John B. Henry Estate 1726 Park St. Proj # 286-001.1A		
034080	MW-5(16')	0.1	<0.1

QA?QC: Spike Recovery is 70%
Duplicate Deviation is 13.6%

Note: Analysis was performed using EPA method 7420
(ppm) = (mg/kg)

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Pacific Contact

Date Sampled: 03-08-94
Date Received: 03-09-94
Date Analyzed: 03-09-94

ZINC

Sample Number	Sample Description	Detection Limit ppm	WATER RESULTS ppm
	John B. Henry Estate 1726 Park St. Proj # 286-001.1A		
034080	MW-5(16')	0.05	<0.05

QA/QC: Spike Recovery is 104%
Duplicate Deviation is 6.0%

Note: Analysis was performed using EPA method 7950
(ppm) = (mg/kg)

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Date Sampled: 03-08-94
Date Received: 03-09-94
Date Analyzed: 03-09-94

NICKEL

Sample Number	Sample Description	Detection Limit ppm	WATER RESULTS ppm
	John B. Henry Estate 1726 Park St. Proj # 286-001.1A		
034080	MW-5(16')	0.1	<0.1

QA/QC: Spike Recovery is 88%
Duplicate Deviation is 3.3%

Note: Analysis was performed using EPA method 7520
(ppm) = (mg/kg)

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Attn: Maree Doden
Pacific Contact

Date Sampled: 03-08-94
Date Received: 03-09-94
Date Analyzed: 03-22-94

Sample Number
034080

Sample Description
John B. Henry Estate
1726 Park St.
Proj # 286-001.1A
MW-5(16') WATER

EPA METHOD 8240
PURGEABLE ORGANICS

	Detection Limit µg/L	Results µg/L	Spike Recovery
Benzene	<5.0	ND	
Bromodichloromethane	<2.0	ND	
Bromoform	<2.0	ND	
Bromomethane	<5.0	ND	
Carbon Tetrachloride	<2.0	ND	
Chlorobenzene	<2.0	ND	
Chloroethane	<5.0	ND	
Chloroform	<5.0	ND	
Chloromethane	<5.0	ND	
Dibromochloromethane	<2.0	ND	
1,1-Dichloroethane	<5.0	ND	
1,2-Dichloroethane	<5.0	ND	
1,1-Dichloroethene	<5.0	ND	
Trans-1,2-Dichloroethene	<5.0	ND	
1,2-Dichloropropane	<5.0	ND	
Cis-1,3-Dichloropropene	<5.0	ND	
Trans-1,3-Dichloropropene	<5.0	ND	
Ethylbenzene	<5.0	18	
Methylene Chloride	<5.0	ND	
1,1,2,2-Tetrachloroethane	<5.0	ND	
Tetrachloroethene	<5.0	ND	
Toluene	<5.0	ND	
1,1,1-Trichloroethane	<5.0	ND	
1,1,2-Trichloroethane	<5.0	ND	
Trichloroethene	<2.0	ND	

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San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 03-08-94
Date Received: 03-09-94
Date Analyzed: 03-22-94

Sample Number	Sample Description
034080	John B. Henry Estate 1726 Park St. Proj # 286-001.1A MW-5(16') WATER

EPA METHOD 8240
PURGEABLE ORGANICS

	Detection Limit µg/L	Results µg/L	Spike Recovery
Vinyl Chloride	<5.0	ND	
Total Xylenes	<10.0	450	
Acetone	<10.0	ND	
2-Butanone	<20.0	ND	
Carbon Disulfide	<5.0	ND	
2-Hexanone	<5.0	ND	
4-Methyl-2-Pentanone	<5.0	ND	
Styrene	<5.0	ND	
Vinyl Acetate	<20.0	ND	
Cis-1,2-Dichloroethene	<5.0	ND	

Note: Analysis was performed using EPA methods 5030 and 624

MOBILE CHEM LABS, INC.

Ronald G. Evans
Lab Director

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8270 GCMS Analysis Report

Attention:	Ms. Chris Waid Mobile Chem Labs, Inc. 5011 Blum Road, Suite 1 Martinez, CA 94553	Date Sampled: Date Received: Date Analyzed:	Mar. 8, 1994 Mar. 9, 1994 Mar. 20, 1994
Project #:	286-001.1A	Project Name:	
Client ID:	034080	LAB ID:	ST94-03-160A
Matrix:	Water	Dilution: 1:	1

Name	Amount	Reporting Limit	Units
1,2 - Dichlorobenzene	ND	10	ug/L
1,2,4 - Trichlorobenzene	ND	10	ug/L
1,3 - Dichlorobenzene	ND	10	ug/L
1,4 - Dichlorobenzene	ND	10	ug/L
2 - Chloronaphthalene	ND	10	ug/L
2 - Chlorophenol	ND	10	ug/L
2 - Methylnaphthalene	ND	10	ug/L
2 - Methylphenol	ND	10	ug/L
2 - Nitrophenol	ND	10	ug/L
2,4 - Dichlorophenol	ND	10	ug/L
2,4 - Dimethylphenol	ND	10	ug/L
2,4 - Dinitrophenol	ND	50	ug/L
2,4 - Dinitrotoluene	ND	10	ug/L
2,4,5 - Trichlorophenol	ND	50	ug/L
2,4,6 - Trichlorophenol	ND	10	ug/L
2,6 - Dinitrotoluene	ND	10	ug/L
2 - Nitroaniline	ND	50	ug/L
3,3' - Dichlorobenzidine	ND	20	ug/L
3 - Nitroaniline	ND	50	ug/L
4 - Bromophenyl - phenylether	ND	10	ug/L
4 - Chloro - 3 - Methylphenol	ND	10	ug/L
4 - Chloroaniline	ND	10	ug/L
4 - Methylphenol	ND	10	ug/L
4 - Nitroaniline	ND	50	ug/L
4 - Nitrophenol	ND	50	ug/L
4,6 - Dinitro - 2 - Methylphenol	ND	50	ug/L
4 - Chlorophenyl - phenylether	ND	10	ug/L
Acenaphthene	ND	10	ug/L
Acenaphthylene	ND	10	ug/L

ppb = parts per billion = ug/L = micrograms per Liter

ppm= parts per million = ug/mL= micrograms per milliliter

ND = Not Detected. Compound(s) may be present at concentrations below the reporting limit

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8270 GCMS Analysis Report

Attention: Ms. Chris Waid
Mobile Chem Labs, Inc.
5011 Blum Road, Suite 1
Martinez, CA 94553

Date Sampled: Mar. 8, 1994
Date Received: Mar. 9, 1994
Date Analyzed: Mar. 20, 1994

Project #: 286-001.1A

Project Name:

Client ID: 034080

LAB ID: ST94-03-160A

Matrix: Water

Dilution: 1: 1

Name	Amount	Reporting Limit	Units
Anthracene	ND	10	ug/L
Benzo (a) Anthracene	ND	10	ug/L
Benzo (a) Pyrene	ND	10	ug/L
Benzo (b) Fluoranthene	ND	10	ug/L
Benzo (g, h, i) Perylene	ND	10	ug/L
Benzo (k) Fluoranthene	ND	10	ug/L
Benzoic Acid	ND	50	ug/L
Benzyl Alcohol	ND	10	ug/L
bis (- 2 - Chloroethoxy) Methane	ND	10	ug/L
bis (- 2 - Chloroethyl) Ether	ND	10	ug/L
bis (2 - chloroisopropyl) Ether	ND	10	ug/L
bis (2 - Ethylhexyl) Phthalate	ND	10	ug/L
Butylbenzylphthalate	ND	10	ug/L
Chrysene	ND	10	ug/L
Di - N - Butylphthalate	ND	10	ug/L
Di - N - Octyl Phthalate	ND	10	ug/L
Dibenzo (a, h) Anthracene	ND	10	ug/L
Dibenzofuran	ND	10	ug/L
Diethylphthalate	ND	10	ug/L
Dimethyl Phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Fluorene	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
Hexachlorocyclopentadiene	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Indeno (1,2,3 - cd) Pyrene	ND	10	ug/L
Isophorone	ND	10	ug/L
N - Nitroso - Di - Propylamine	ND	10	ug/L

ppb = parts per billion = ug/L = micrograms per Liter

ppm= parts per million = ug/mL= micrograms per milliliter

ND = Not Detected Compound(s) may be present at concentrations below the reporting limit

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8270 GCMS Analysis Report

Attention:	Ms. Chris Waid Mobile Chem Labs, Inc. 5011 Blum Road, Suite 1 Martinez, CA 94553	Date Sampled: Date Received: Date Analyzed:	Mar. 8, 1994 Mar. 9, 1994 Mar. 20, 1994
Project #:	286-001.1A	Project Name:	
Client ID:	034080	LAB ID:	ST94-03-160A
Matrix:	Water	Dilution:	1: 1

Name	Amount	Reporting Limit	Units
N - Nitrosodiphenylamine	ND	10	ug/L
Naphthalene	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
Pentachlorophenol	ND	50	ug/L
Phenanthrene	ND	10	ug/L
Phenol	ND	10	ug/L
Pyrene	ND	10	ug/L

Surrogate % Recovery 2 - Fluorophenol =	30%
Surrogate % Recovery Phenol - d6 =	22%
Surrogate % Recovery Nitrobenzene - d5 =	71%
Surrogate % Recovery 2 - Fluorobiphenyl =	81%
Surrogate % Recovery 2,4,6 - Tribromophenol =	103%
Surrogate % Recovery Terphenyl - d14 =	110%

ppb = parts per billion = ug/L = micrograms per Liter
ppm = parts per million = ug/mL = micrograms per milliliter
ND = Not Detected. Compound(s) may be present at concentrations below the reporting limit

R. L. James, Principal Chemist

Mar 21, 1994
Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC IS CERTIFIED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY (Certification No. 1614)

3050 Fite Circle, Suite 112 • Sacramento, California 95827 • (916) 362-8947 • FAX (916) 362-0947

MOBILE CHEM LABS INC.

2014 ALUM ROCK
MARTINEZ, CA. 94553
415-372-3700

Pacific Env.
#286-001.1A
JOHN B. HENRY ESTATE

Date Reported: 2-18-94
Reported By:
Signature: B.S.

ppb -or- ppm

SAMPLE DESCRIPTION	SAMPLE NUMBER	TOG, 503E 5520	
Freon Blank-	024248	N.D.	
B19-8'	250	< 50	
B20-8'	250	* 160 *	KEROSINE!
B21-3'	251	< 50	
B21-8'	252	< 50	
B21-9½'	253	< 50	
B22-3'	254	< 50	- HYDRAULIC
B22-8'	255	< 50	- HYDRAULIC
B24-3'	258	120	(WASTE OIL)
B24-8'	259	< 50	
B25-3'	260	< 50	- HYDRAULIC
B25-8'	261	< 50	- HYDRAULIC
MW4-8'	278	< 50	
	Spike Rec 024248	95%	
	Dup Dev 024250	3.2%	

NOTE: Sample B20-8' is Kerosine

MOBILE CHEM LABS INC.

5011 BLUM ROAD #2
MARTINEZ, CA. 94553 (510) 372-3700

PACIFIC ENV. #286-001.1A
ESTATE OF JOHN B. HENRY

Date Reported: 3-8-94
Reported By:
Signature: B.S.

FAXED 3-9-94

ppb -or- ppm

#023

SAMPLE DESCRIPTION	SAMPLE NUMBER	TOG, 503E 5520
FREON BLANK		N.D.
MW5 - 5'	024280	* 180 *
7'	281	<50
↓ 10'	↓ 282	<50
Dup Dev 280		2.8%
Spike Rec F034016		94 %
* 280 *	WASTE OIL !	

MOBILE CHEM LABS INC.
5011 BLUM ROAD
MARTINEZ, CA. 94553 510-372-3700

Pacific Environmental
#286-001.1A
ESTATE OF JOHN B. HENRY

Date Reported: 3-3-94
Reported By:
Signature: B.S.

ppb -or- (ppm)

#1223

SAMPLE DESCRIPTION	SAMPLE NUMBER -------	TOG, 503E 5520
Freon Blank	—	N.D.
B19-3'	024247	* 220 *
B20-3'	↓ 249	< 50
	Dup Dew 247	7.3%
	Spike Rec 034051, is	92%

* Light petroleum
most probably Hydraulic oil

Estate of John B. Henry

MOBILE CHEM LABS INC.

5011 Blum Road, Suite 1 • Martinez, CA 94553
Phone (510) 372-3700 • Fax (510) 372-0955

Date Reported: 2-16-94
Reported By: G J
Signature:
Lab Certification Number: 1429

ppb -or- ppm

SAMPLE DESCRIPTION	SAMPLE #	TPH - DIESEL
B19-8'	024248	<5.0
B20-8'	250	* 170 *
B21-3'	251	<5.0
B21-8'	252	
B21-9½'	253	
B24-3'	258	
B24-8'	259	
B25-3'	260	
B25-8'	261	
B26-3'	262	
B26-8'	263	
MW4-5'	277	
MW4-8'	278	
MW4-10'	279	

QA/QC Spike LCS021694 w/ 89% recovery
Dp 024250 w/ 8.3% deviation

* Quantitated as Kerosene

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. 286-001.1A

Facility No. ESTATE OF JOHN B. HENRY | Facility Address: 1726 PARK ST., ALAMEDA | Billing Refence Number: 24349

CLIENT engineer: ELSIE MATSUNO | PACIFIC Point of Contact: M. DODEN | Sampler: J. RAWSON | Laboratory Name: MOBILE CHEM

W=water S=soil A=air | G=grab D=disc. C=comp.

Sample I.D.	Cont. No.	Container Size (ml)	Sample Preserv.	Matrix	Type	Sampling Date	Sampling Time	BTEX/ VPHgas (8015/ 8020)	TPH Diesel (8015)	As Hydraulic oil Oil and Grease (5520) Kerosene & waste oil	Total Dislvd. Metals	VOC (EPA 624/ 8240)	SVOC (EPA 627/ 8270)	HVOC (EPA 601/ 8010)	TOTAL METALS (Pb, Cd, Cr, Ni, Zn)
MW-5(16')	1	1000	NP	W	G	3/8	1045		X						
	1	1000	HCl							X					
	2	40	HCl									X			
	1	1000	NP										X		
	1	1000	HNO_3												X

Comments:

Condition of Sample:

Temperature Received:

Relinquished by: John Rawson	Date/Time: 3/8/94 1630	Received by: M Doden	Date/Time: 3/9/94 0700	
Relinquished by: M Doden	Date/Time: 3/9/94 935	Received by:	Date/Time:	
Relinquished by:	Date/Time:	Received by:	Date/Time:	
Relinquished by:	Date/Time: 3-9-94 9:35	Received by laboratory: Dave Lowry	Date/Time: 3-9-94 9:35	

Mail original Analytical Report to:
Pacific Environmental Group
2025 Gateway Place #440, San Jose, CA 95110 [X]
620 Contra Costa Blvd. #209, Pleasant Hill, CA 94523 [ ]
25725 Jeronimo Rd. #576C, Mission Viejo, CA 92622 [ ]
4020 148th Ave NE #B, Redmond, WA 98052 [ ]

Turnaround Time:
- Priority Rush (1 day) [ ]
- Rush (2 days) [ ]
- Expedited (5 days) [ ]
- Standard (10 days) [X]
- As Contracted [ ]

ATTACHMENT E

AERIAL PHOTOGRAPH OF THE SITE VICINITY