

ENVIRONMENTAL
PROTECTION

95 JUN 18 PM 2:25



Chevron

June 14, 1996

Ms. Juliet Shin
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Chevron U.S.A. Products Company
2410 Camino Ramon
San Ramon, CA 94583
P.O. Box 5004
San Ramon, CA 94583-0804

Marketing Department
Phone 510 842 9500

Re: **Former Chevron Service Station #9-0191**
900 Otis Drive , Alameda, California

Dear Ms. Shin:

Enclosed is a report, prepared by Pacific Environmental Group Inc., to conduct a soil and groundwater investigation at the above noted site. The purpose of this investigation was to determine the lateral extent of the dissolved petroleum hydrocarbons in the groundwater beneath this site.

Six groundwater monitoring wells were installed on and off-site, with MW-2 and MW-3 installed near the former product islands and underground storage tanks, respectively. The soils and groundwater samples taken were analyzed for TPH-g and BTEX. The wells were drilled up to a depth of 17 feet with groundwater detected around the 2-3 foot level. Groundwater flow is in a westerly direction.

There was no TPH-g or BTEX detected in any of the soil samples taken. BTEX and TPH-g was only detected in monitoring wells MW-2 and MW-3. MW-2 had concentrations of 460ppb TPH-g and 26ppb benzene, and MW-3 had a concentration of 94ppb TPH-g, no benzene was detected.

Based on the data from this investigation, it appears that the lateral extent of the dissolved petroleum hydrocarbons in the groundwater has been determined. It also appears that there is no impact from petroleum hydrocarbon constituents in the soil. Based on these results, Chevron requests closure of this site or that a groundwater monitoring program be initiated for one year. If at the end of one year of monitoring, the dissolved petroleum hydrocarbons continue to attenuate to background levels, we would than request closure.

If you have any questions, call me at (510) 842-9136.

Sincerely,
CHEVRON PRODUCTS COMPANY

A handwritten signature in black ink that reads "Philip R. Briggs".

Philip R. Briggs
Site Assessment and Remediation Project Manager

Enclosure

ENVIRONMENTAL
PROTECTION

96 JUN 18 PM 2: 25

June 14, 1996
Ms. Juliet Shin
Former Chevron Service Station 9-0191

cc. Ms. Bette Owen, Chevron

Harsch Investment Corp. *
dba South Shore Center
235 W. MacArthur Boulevard, #63
Oakland, CA 94611

Mr. Phil Eyring *
Eyring Reality Inc.
500 Ygnacio Valley Road, # 225
Walnut Creek, CA 94596

Mr Kevin Graves, RWQCB-S.F. Bay *

Mr. Mark Sullivan
Project Engineer
Pacific Environmental Group Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110

*For your information, Mark Miller has been reassigned to a new position
and I have taken over the responsibility of project manager for this site.



PACIFIC
ENVIRONMENTAL
GROUP, INC.

ENVIRONMENTAL
PROTECTION

96 JUN 18 PM 2: 25

May 30, 1996
Project 320-122.1A

Mr. Phil Briggs
Chevron Products Company
P.O. Box 5004
San Ramon, California 94583-0804

Re: Soil and Groundwater Investigation
Former Chevron Station 9-0191
900 Otis Drive at Westline Drive
Alameda, California

Dear Mr. Briggs:

This letter report, prepared by Pacific Environmental Group, Inc. (PACIFIC) on behalf of Chevron Products Company (Chevron), presents the results of a soil and groundwater investigation conducted at the site referenced above (Figures 1 and 2). The purpose of the investigation was to determine the lateral extent of dissolved petroleum hydrocarbons in groundwater beneath the site. The investigation was performed in accordance with PACIFIC's *Work Plan* dated November 29, 1994. This letter report includes a discussion of the scope of work and findings. For a complete description of the site background and previous investigations, refer to PACIFIC's *Work Plan* referenced above.

Field and laboratory procedures, boring logs, survey elevation data, and PACIFIC's well development and well sampling reports are presented as Attachment A. Certified analytical reports and chain-of-custody documentation are presented as Attachment B.

SCOPE OF WORK

To define the lateral extent of petroleum hydrocarbons in groundwater, the following scope of work was performed:

- **Permits.** PACIFIC obtained the appropriate groundwater monitoring well permits and encroachment from the Alameda County Zone 7 Water District, the City of Alameda, East Bay Regional Park District, and private property owner adjacent to the site, prior to initiating field work.

- **Monitoring Well Installation.** PACIFIC drilled and installed six groundwater monitoring wells (MW-2 through MW-7) on January 29, 1996. These wells were drilled and installed to investigate groundwater conditions off site and on site in the vicinity of the underground storage tanks (USTs) and product islands (Figure 2).
- **Well Elevation Survey, Well Development, and Well Sampling.** The new wells were surveyed to mean sea level (MSL) by a California State-certified surveyor. The wells were developed and sampled by PACIFIC. PACIFIC's procedure reports and field data sheets are presented in Attachment A.
- **Soil and Groundwater Analysis.** Selected soil samples and groundwater samples were submitted to a California State-certified laboratory and analyzed for the presence of total purgeable petroleum hydrocarbons calculated as gasoline (TPPH-g), benzene, toluene, ethylbenzene, and xylenes (BTEX compounds).

FINDINGS

Subsurface Conditions

Soils encountered during drilling (maximum explored depth of approximately 18 feet below ground surface (bgs)) consisted predominantly of fine sands. A clayey sand was encountered at the base of most borings. Groundwater was encountered and stabilized at approximately 2 to 3 feet bgs. Groundwater elevation data from the February 8, 1996 sampling event indicated that groundwater flow beneath the site is towards the west at an approximate gradient of 0.730 foot per foot (Figure 2). Groundwater elevation data are presented in Table 2.

Soil Analytical Results

Soil analytical results indicate that TPPH-g and BTEX compounds were not detected in the soil samples analyzed. Soil analytical results are presented in Table 1.

Groundwater Analytical Results

Results of groundwater analysis indicate that TPPH-g was detected in groundwater in Wells MW-2 and MW-3 at concentrations of 94 and 460 parts per billion (ppb), respectively. Benzene was detected in Well MW-3 at a concentration of 26 ppb and ethylbenzene at a concentration of 5.8 ppb. BTEX compounds were not detected in the remaining wells. Groundwater analytical data are presented in Table 2.

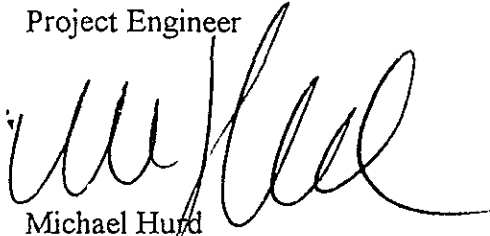
If there are any questions regarding the contents of this letter report, please call.

Sincerely,

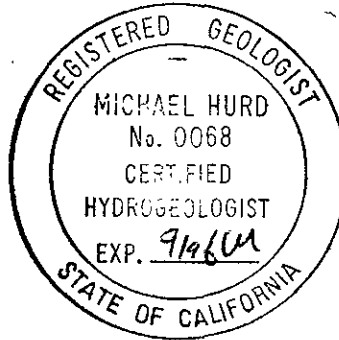
Pacific Environmental Group, Inc.



Mark Sullivan
Project Engineer



Michael Hurd
Senior Geologist
CHG 0068



- Attachments:
- Table 1 - Soil Analytical Data -
Total Petroleum Hydrocarbons
(TPPH as Gasoline and BTEX Compounds,)
 - Table 2 - Groundwater Elevation and Analytical Data -
Total Petroleum Hydrocarbons
(TPPH as Gasoline and BTEX Compounds)
 - Figure 1 - Site Location Map
 - Figure 2 - Groundwater Elevation Contour Map
 - Attachment A - Field and Laboratory Procedures, Boring Logs, Well
Elevation Data, and PACIFIC's Well Development
and Well Sampling Data Sheets
 - Attachment B - Certified Analytical Reports and Chain-of-Custody
Documentation

Table 1
Soil Analytical Data
 Total Petroleum Hydrocarbons
 (TPPH as Gasoline and BTEX Compounds)

Former Chevron U.S.A. Service Station 9-0211
 900 Otis Drive and Westline Drive
 Alameda, California

Well Number	Date Sampled	Sample Depth (feet)	TPPH as			Ethyl-	
			Gasoline (ppm)	Benzene (ppm)	Toluene (ppm)	benzene (ppm)	Xylenes (ppm)
MW-2	1/29/96	2	ND	ND	ND	ND	ND
MW-3	1/29/96	2	ND	ND	ND	ND	ND
		15	ND	ND	ND	ND	ND
MW-4	1/29/96	2	ND	ND	ND	ND	ND
MW-5	1/29/96	2	ND	ND	ND	ND	ND
MW-6	1/29/96	2	ND	ND	ND	ND	ND
MW-7	1/29/96	2	ND	ND	ND	ND	ND

TPPH = Total Purgeable Petroleum Hydrocarbons
 ppm = Parts per million
 ND = Not detected
 See certified analytical report for detection limits.

Table 2
Groundwater Elevation and Analytical Data
 Total Petroleum Hydrocarbons
 (TPPH as Gasoline and BTEX Compounds)

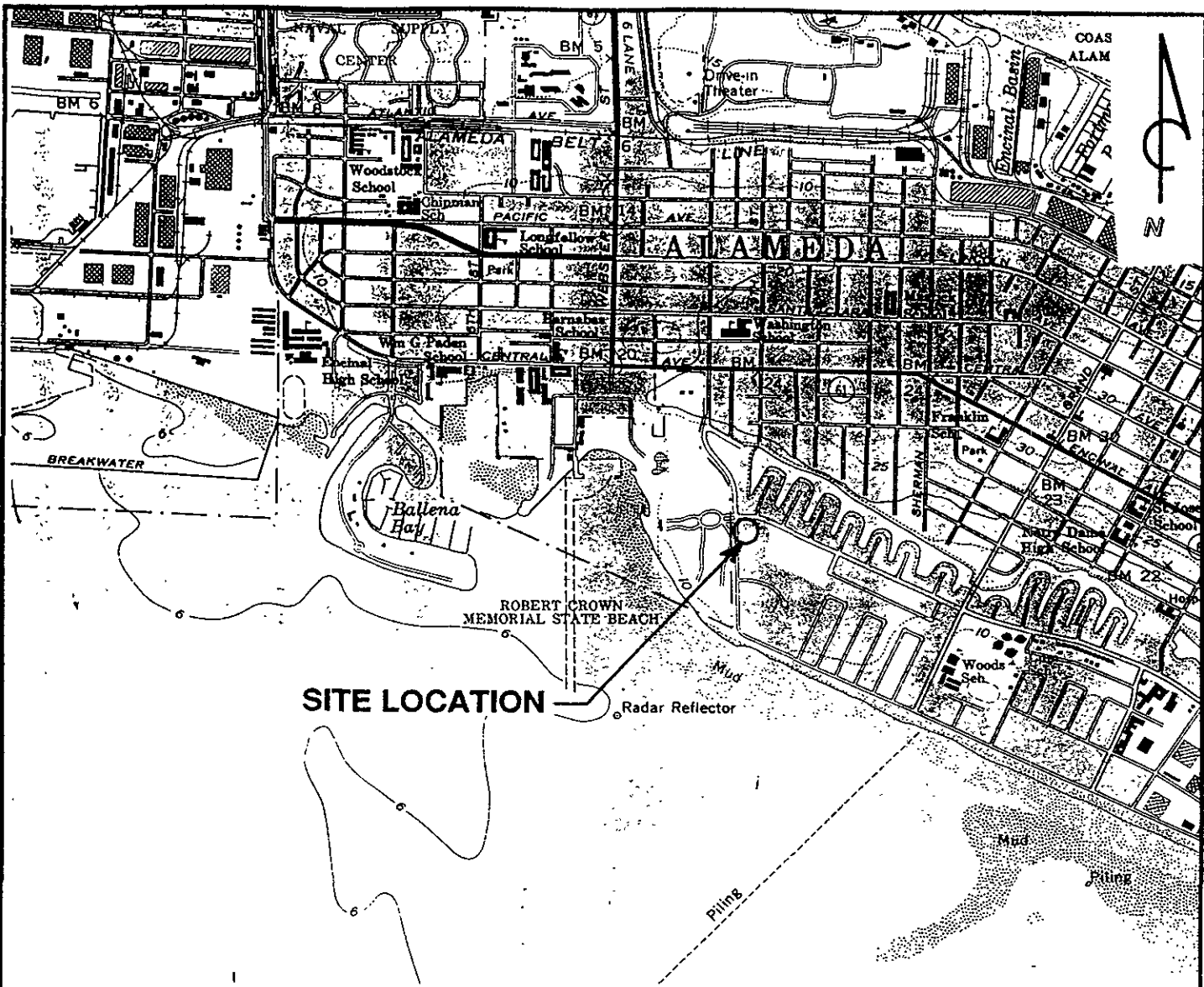
Former Chevron U.S.A. Service Station 9-0211
 900 Otis Drive at Westline Drive
 Alameda, California

Well Number	Date Gauged	Well Elevation (feet, MSL)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)	TPPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)
MW-2	2/8/96	9.17	2.75	6.42	94	ND	ND	ND	ND
MW-3	2/8/96	7.11	1.36	5.75	460	26	ND	5.8	ND
MW-4	2/8/96	7.78	1.32	6.46	ND	ND	ND	ND	ND
MW-5	2/8/96	7.37	0.75	6.62	ND	ND	ND	ND	ND
MW-6	2/8/96	7.30	2.10	5.2	ND	ND	ND	ND	ND
MW-7	2/8/96	9.58	3.24	6.34	ND	ND	ND	ND	ND

MSL = Mean sea level the top of well casing
 TPPH = Total Purgeable Petroleum Hydrocarbons
 TOC= Top of casing
 ppb = Parts per billion
 ND = Not detected

Not Screened Properly for this date

Well Screened Intervals
 3-17'
 2-15'
 2-17'
 2-17'
 2-17'
 2-17'

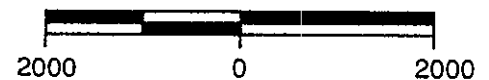


QUADRANGLE
LOCATION

REFERENCES:

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

SCALE IN FEET

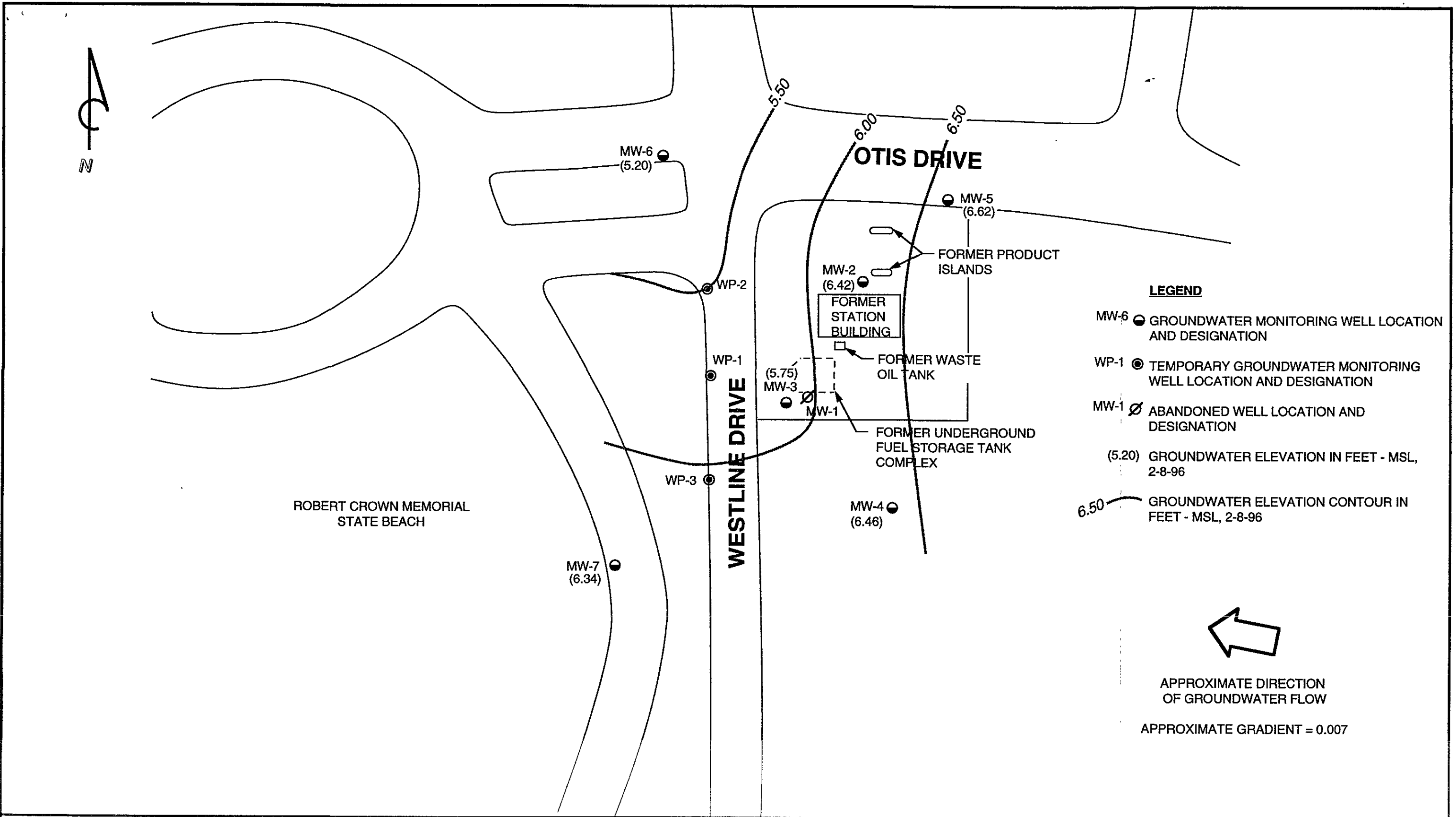


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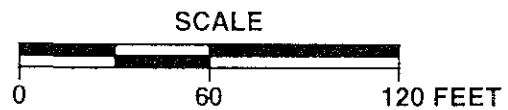
FORMER CHEVRON U.S.A. SERVICE STATION 9-0191
900 Otis Drive at Westline Drive
Alameda, California

SITE LOCATION MAP

FIGURE:
1
PROJECT:
320-122.1A



PACIFIC ENVIRONMENTAL GROUP, INC.



FORMER CHEVRON U.S.A. SERVICE STATION 9-0191
 900 Otis Drive at Westline Drive
 Alameda, California

GROUNDWATER ELEVATION CONTOUR MAP

FIGURE:
2
 PROJECT:
 320-122.1A

ATTACHMENT A

**FIELD AND LABORATORY PROCEDURES, BORING LOGS,
WELL ELEVATION DATA, AND PACIFIC'S WELL
DEVELOPMENT AND WELL SAMPLING DATA SHEETS**

ATTACHMENT A

FIELD AND LABORATORY PROCEDURES

Groundwater Monitoring Well Installation

The groundwater monitoring wells were drilled using 8-inch hollow-stem auger drilling equipment and logged by a Pacific Environmental Group, Inc. geologist using the Unified Soil Classification System and standard geologic techniques. Soil samples for logging were collected at 5-foot depth intervals using a California-modified split-spoon sampler. The California 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 clean zip-lock 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 following the completion of the soil borings. Down-hole sampling equipment was washed in a tri-sodium phosphate solution between samples.

The borings were converted to groundwater monitoring wells by installing 2-inch diameter, flush-threaded, Schedule 40 PVC casing with 0.020-inch factory-slotted screen. Approximately 15 feet of screen was placed in the bottom of each boring. An RMC 2 x 12 sand pack was placed in the annular space across the entire screened interval, and extends to the top of the screen for the well. A bentonite and Portland cement seal extends from the sand pack to the ground surface.

Following well completion, the vault box elevation and the elevation of the top of the PVC well casing of the monitoring wells were surveyed to the nearest 0.01 foot, relative to mean sea level, by a licensed surveyor. The boring logs show well construction details.

Organic Vapor Procedures

Soil samples collected at 5-foot depth intervals during drilling were analyzed in the field for ionizable organic compounds using the HNU Model PI-101 (or equivalent) photo-ionization detector (PID) with a 10.2 eV lamp. The test procedure involves 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), the foil 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 calibrated prior to drilling using a 100-ppm isobutylene standard (in air) and a sensitivity factor of 55 which relates the photo-ionization potential of benzene to that of isobutylene at 100 ppm. The results of the field testing are noted on the boring logs. PID readings are useful for indicating relative levels of contamination, but cannot be used to evaluate hydrocarbon levels with the confidence of laboratory analyses.

Well Development and Groundwater Sampling

The well development procedures consisted of first measuring the water level in the well with an electronic water-level indicator, and checking the well for the presence of separate-phase hydrocarbons using a clear Teflon bailer or an oil-water interface probe. The well was then surged using a surge block which forces the fine-grained material out of the sandpack and back into the formation. After surging, the wells were purged of approximately ten casing volumes using a bailer or centrifugal pump, during which time temperature, pH, and electrical conductivity were monitored to indicate that a representative sample was obtained. After purging, the water levels in the wells were allowed to restabilize. 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 California State-certified laboratory.

Rinsate, Purge, Development Waters, and Soil Cuttings Storage and Disposal

Waters produced during field activities were transported via a purge trailer and disposed of at a state-certified treatment and disposal facility. When necessary, waters were temporarily stored on site in DOT-approved 55-gallon drums pending transport and disposal.

Laboratory Procedures

Selected soil samples and groundwater samples were analyzed by a California State-certified laboratory for the presence of total purgeable petroleum hydrocarbons calculated as gasoline (TPPH-g), benzene, toluene, ethylbenzene, and xylenes (BTEX compounds) using modified EPA Methods 8015 and 8020.

WELL LOG KEY TO ABBREVIATIONS

Drilling Method

HSA - Hollow stem auger
CFA - Continuous flight auger
Air - Reverse air circulation

Gravel Pack

CA - Coarse aquarium sand

Sampling Method

Cal. Mod. - California modified split-spoon sampler (2" inner diameter) driven 18" by a 140-pound hammer having a 30" drop. Where penetration resistance is designated "P", sampler was instead pushed by drill rig.
Disturbed - Sample taken from drill-return materials as they surfaced.
Shelby - Shelby Tube thin-walled sampler (3" diameter), where sampler is pushed by drill-rig.

Moisture Content

Dry - Dry
Dp - Damp
Mst - Moist
Wt - Wet
Sat - Saturated

Sorting

PS - Poorly sorted
MS - Moderately sorted
WS - Well sorted

Plasticity

L - Low
M - Moderate
H - High

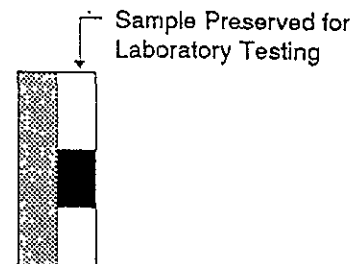
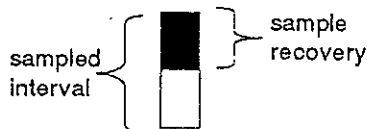
H-NU (ppm)

ND - No detection

Symbols

▽ - First encountered ground water

▼ - Static ground water level



Density (Blows/Foot - Cal Mod Sampler)

Sands and gravels

0 - 5 - Very Loose
5 - 13 - Loose
13 - 38 - Medium dense
38 - 63 - Dense
over 63 - Very dense

Silts and Clays

0 - 2 - Very Soft
2 - 4 - Soft
4 - 9 - Firm
9 - 17 - Stiff
17 - 37 - Very Stiff
37 - 72 - Hard
over 72 - Very Hard

GRAIN - SIZE SCALE

GRADE LIMITS

U.S. Standard

GRADE NAME

inch	sieve size	
12.0		Boulders
3.0	3.0 in.	Cobbles
0.19	No. 4	Gravels
0.08	No. 10	coarse
	No. 40	medium
	No. 200	fine
		Silt
		Clay Size

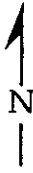
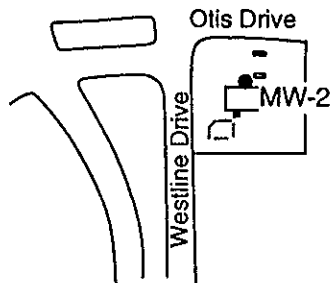
Primary Divisions		Group		Symbol/Graphic	Typical Names
COARSE GRAINED SOILS more than half is larger than #200 sieve	GRAVELS half of coarse fraction larger than #4 sieve	CLEAN GRAVELS (less than 5% fines)	GW		Well graded gravels, gravel-sand mixtures; little or no fines
			GP		Poorly graded gravels or gravel-sand mixtures; little or no fines
		GRAVEL WITH FINES	GM		Silty gravels, gravel-sand-silt mixtures
			GC		Clayey gravels, gravel-sand-clay mixtures
	SANDS half of coarse fraction smaller than #4 sieve	CLEAN SANDS (less than 5% fines)	SW		Well graded sands, gravelly sands, little or no fines
			SP		Poorly graded sands or gravelly sands; little or no fines
		SANDS WITH FINES	SM		Silty sands, sand-silt mixtures
			SC		Clayey sands, sand-clay mixtures, plastic fines
FINE GRAINED SOILS more than half is smaller than #200 sieve	SILTS AND CLAYS liquid limit less than 50%		ML		Inorganic silts and very fine sand, rock flour, silty or clayey fine sands or clayey silts, with slight plasticity
			CL		Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
			OL		Organic silts and organic silty clays of low plasticity
	SILTS AND CLAYS liquid limit more than 50%		MH		Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts
			CH		Inorganic clays of high plasticity, fat clays
			OH		Organic clays of medium to high plasticity, organic silts
HIGHLY ORGANIC SOILS			Pt		Peat and other highly organic soils



PACIFIC ENVIRONMENTAL GROUP, INC.

Unified Soil Classification System

LOCATION MAP



PACIFIC ENVIRONMENTAL GROUP, INC.

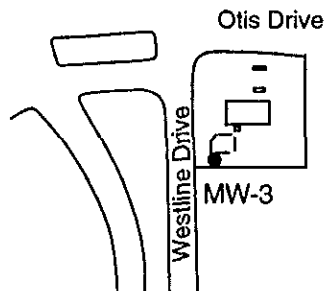
WELL NO. MW-2
PAGE 1 OF 1

PROJECT NO. 320-122.1A
 LOGGED BY: DA
 DRILLER: MDE
 DRILLING METHOD: HSA
 SAMPLING METHOD: CALMOD
 CASING TYPE: SCH 40 PVC
 SLOT SIZE: 0.020"
 SAND PACK: 2 X 12 SAND

CLIENT: CHEVRON
 DATE DRILLED: 1-29-96
 LOCATION: 900 Otis Drive
 HOLE DIAMETER: 8"
 HOLE DEPTH: 17'
 WELL DIAMETER: 2"
 WELL DEPTH: 17'
 CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	PID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
	Wt	0	>63	2			SP	SAND: light brown; trace fines; 95% fine sand; 5% medium to coarse sand; medium dense; no product odor.
	Sat	0	40	4				@5': as above; 90% fine sand; 10% fine subrounded gravel; medium dense; no product odor.
	Sat	0	38	10				@10': as above; no product odor.
	Sat	0	49	16			SC	CLAYEY SAND: dark gray; 20% clay; trace silt; 80% fine to medium sand; shell fragments; medium dense; no product odor.
					18			
				20				
				22				
				24				
				26				
				28				
				30				
				32				
				34				
				36				
				38				
				40				
				42				
				44				

LOCATION MAP



PACIFIC ENVIRONMENTAL GROUP, INC.

WELL NO. MW-3
PAGE 1 OF 1

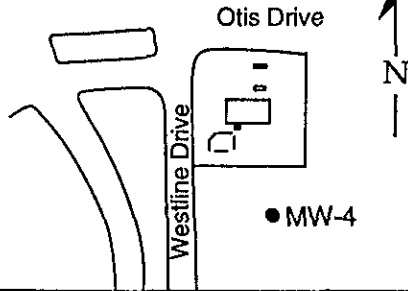
PROJECT NO. 320-122.1A
 LOGGED BY: DA
 DRILLER: MDE
 DRILLING METHOD: HSA
 SAMPLING METHOD: CALMOD
 CASING TYPE: SCH 40 PVC
 SLOT SIZE: 0.020"
 SAND PACK: 2 X 12 SAND

CLIENT: CHEVRON
 DATE DRILLED: 1-29-96
 LOCATION: 900 Otis Drive
 HOLE DIAMETER: 8"
 HOLE DEPTH: 16'
 WELL DIAMETER: 2"
 WELL DEPTH: 15.5'
 CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	PID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS	
		0		2			SP	SAND: light yellowish brown; trace fines; 85% fine sand; 10% medium sand; 5% fine subrounded gravel; medium dense; no product odor.	
	Sat	3		4				@5': as above; medium dense; no to faint product odor.	
	Sat	10		10				@10': as above; 95% fine sand; 5% medium to coarse sand; trace fine rounded gravel; medium dense; faint product odor.	
	Sat	13	8	16			CL	@15': as above; 75% fine sand; trace medium to coarse sand; 25% fine to medium subrounded gravel; dense; faint product odor. CLAY: dark gray; 95% clay; 5% fine sand; roots; soft; organic odor; faint product odor.	
					18				
					20				
					22				
					24				
					26				
					28				
					30				
					32				
					34				
					36				
					38				
					40				
				42					
				44					

BOTTOM OF BORING AT 16'

LOCATION MAP



PACIFIC ENVIRONMENTAL GROUP, INC.

WELL NO. MW-4
PAGE 1 OF 1

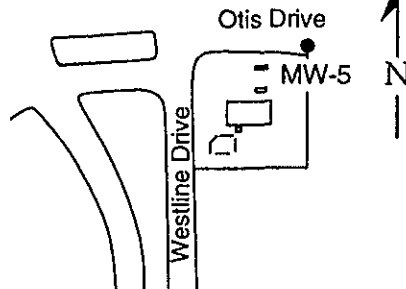
PROJECT NO. 320-122.1A
 LOGGED BY: DA
 DRILLER: MDE
 DRILLING METHOD: HSA
 SAMPLING METHOD: CALMOD
 CASING TYPE: SCH 40 PVC
 SLOT SIZE: 0.020"
 SAND PACK: 2 X 12 SAND

CLIENT: CHEVRON
 DATE DRILLED: 1-29-96
 LOCATION: 900 Otis Drive
 HOLE DIAMETER: 8"
 HOLE DEPTH: 17'
 WELL DIAMETER: 2"
 WELL DEPTH: 17'
 CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	PID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
	Wt-Sat	0	50	2			SP	ASPHALT
	Sat	0	>63	4				SAND: light yellowish brown; trace fines; 95% fine sand; 5% medium to coarse sand; medium dense; no product odor.
				6				@5': as above; trace shells; no product odor.
	Sat	0	50	10				@10': as above; no product odor.
				12				
				14				
Sat	0	37	16					@15': as above; 10% clay; 90% sand; medium dense; no product odor.
				18				
				20				
				22				
				24				
				26				
				28				
				30				
				32				
				34				
				36				
				38				
				40				
				42				
				44				

BOTTOM OF BORING AT 17'

LOCATION MAP



PACIFIC ENVIRONMENTAL GROUP, INC.

WELL NO. MW-5
PAGE 1 OF 1

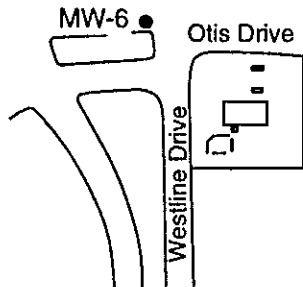
PROJECT NO. 320-122.1A
 LOGGED BY: DA
 DRILLER: MDE
 DRILLING METHOD: HSA
 SAMPLING METHOD: CALMOD
 CASING TYPE: SCH 40 PVC
 SLOT SIZE: 0.020"
 SAND PACK: 2 X 12 SAND

CLIENT: CHEVRON
 DATE DRILLED: 1-29-96
 LOCATION: 900 Otis Drive
 HOLE DIAMETER: 8"
 HOLE DEPTH: 17'
 WELL DIAMETER: 2"
 WELL DEPTH: 17'
 CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	PID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
	Wt	0	50	2			SP	ASPHALT
	Sat	0	50	4				SAND: light yellowish brown; trace silt; 95% fine sand; 5% medium to coarse sand; dense; no product odor.
	Sat	0	50	6				@5': as above; 80% fine to medium sand; 10% medium to coarse sand; 10% fine subrounded gravel; dense; no product odor.
	Sat	0	50	10				@10': as above; no product odor.
	Sat	0	62	16			SC	CLAYEY SAND: dark olive gray; 15% clay; 5% silt; 80% fine sand; trace medium sand; medium dense; no product odor; organic odor.
				18				
				20				
				22				
				24				
				26				
				28				
				30				
				32				
				34				
				36				
				38				
				40				
				42				
				44				

BOTTOM OF BORING AT 17'

LOCATION MAP



PACIFIC ENVIRONMENTAL GROUP, INC.

WELL NO. MW-6
PAGE 1 OF 1

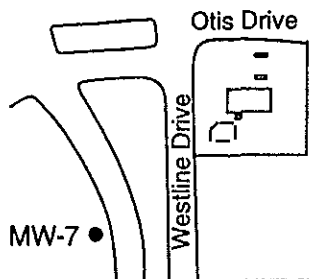
PROJECT NO. 320-122.1A
 LOGGED BY: DA
 DRILLER: MDE
 DRILLING METHOD: HSA
 SAMPLING METHOD: CALMOD
 CASING TYPE: SCH 40 PVC
 SLOT SIZE: 0.020"
 SAND PACK: 2 X 12 SAND

CLIENT: CHEVRON
 DATE DRILLED: 1-29-96
 LOCATION: 900 Otis Drive
 HOLE DIAMETER: 8"
 HOLE DEPTH: 17'
 WELL DIAMETER: 2"
 WELL DEPTH: 17'
 CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	PID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
	Wt	0	49	2			SP	ASPHALT: fill.
	Sat	0	40	4				SAND: light brown; trace silt; 85% fine sand; 15% medium sand; medium dense; no product odor.
					6			@5': as above; no product odor.
					8			
	Sat	0	53	10				@10': as above; 95% fine sand; trace silt; 5% medium sand; medium dense; no product odor.
					12			
					14			
	Sat	0	40	16				SC @15.5': as above; no product odor.
					18			CLAYEY SAND: dark gray; 10% clay; 5% silt; 85% fine sand; trace medium sand; medium dense; no product odor.
					20			
					22			
					24			
					26			
					28			
					30			
					32			
					34			
				36				
				38				
				40				
				42				
				44				

BOTTOM OF BORING AT 17'

LOCATION MAP



PACIFIC ENVIRONMENTAL GROUP, INC.

WELL NO. MW-7
PAGE 1 OF 1

PROJECT NO. 320-122.1A
 LOGGED BY: DA
 DRILLER: MDE
 DRILLING METHOD: HSA
 SAMPLING METHOD: CALMOD
 CASING TYPE: SCH 40 PVC
 SLOT SIZE: 0.020"
 SAND PACK: 2 X 12 SAND

CLIENT: CHEVRON
 DATE DRILLED: 1-29-96
 LOCATION: 900 Otis Drive
 HOLE DIAMETER: 8"
 HOLE DEPTH: 17.5'
 WELL DIAMETER: 2"
 WELL DEPTH: 17'
 CASING STICKUP: NA

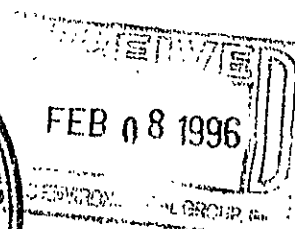
WELL COMPLETION	MOISTURE CONTENT	PID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS	
	Wt	0	50	2			SP	ASPHALT	
	Wt	0	>63	4			SC	SAND: light brown; 10% clay; trace silt; 90% fine sand; abundant shell fragments; medium dense; no product odor.	
	Sat			6			SP	CLAYEY SAND: brown iron oxide staining; organic mottling; abundant shells; 85% clay; 65% fine sand; medium dense; no product odor.	
	Sat	0	50	10				SAND: as above.	
					12				
					14				
	Sat	0	50	16					@15': dark gray; 90% fine sand; 120% medium sand; small shells medium dense; no product odor.
					18				
					20				
					22				
				24					
				26					
				28					
				30					
				32					
				34					
				36					
				38					
				40					
				42					
				44					
BOTTOM OF BORING AT 17'									

RON ARCHER

CIVIL ENGINEER INC.

CONSULTING • PLANNING • DESIGN • SURVEYING

4133 Mohr Ave., Suite E. Pleasanton, CA 94566
Phone: (510) 462-9372 Fax: (510) 462-4454



FEBRUARY 6, 1996

JOB NO 2372

ELEVATIONS OF EXISTING MONITORING WELLS AT AND IN THE VICINITY OF THE FORMER CHEVRON U.S.A. SERVICE STATION NO. 0181 LOCATED AT 900 OTIS DRIVE AT WESTLINE DRIVE, CITY OF ALAMEDA, ALAMEDA COUNTY, CALIFORNIA.

FOR: *PACIFIC ENVIRONMENTAL GROUP*
PROJECT NO. 320-122.1A

BENCHMARK:

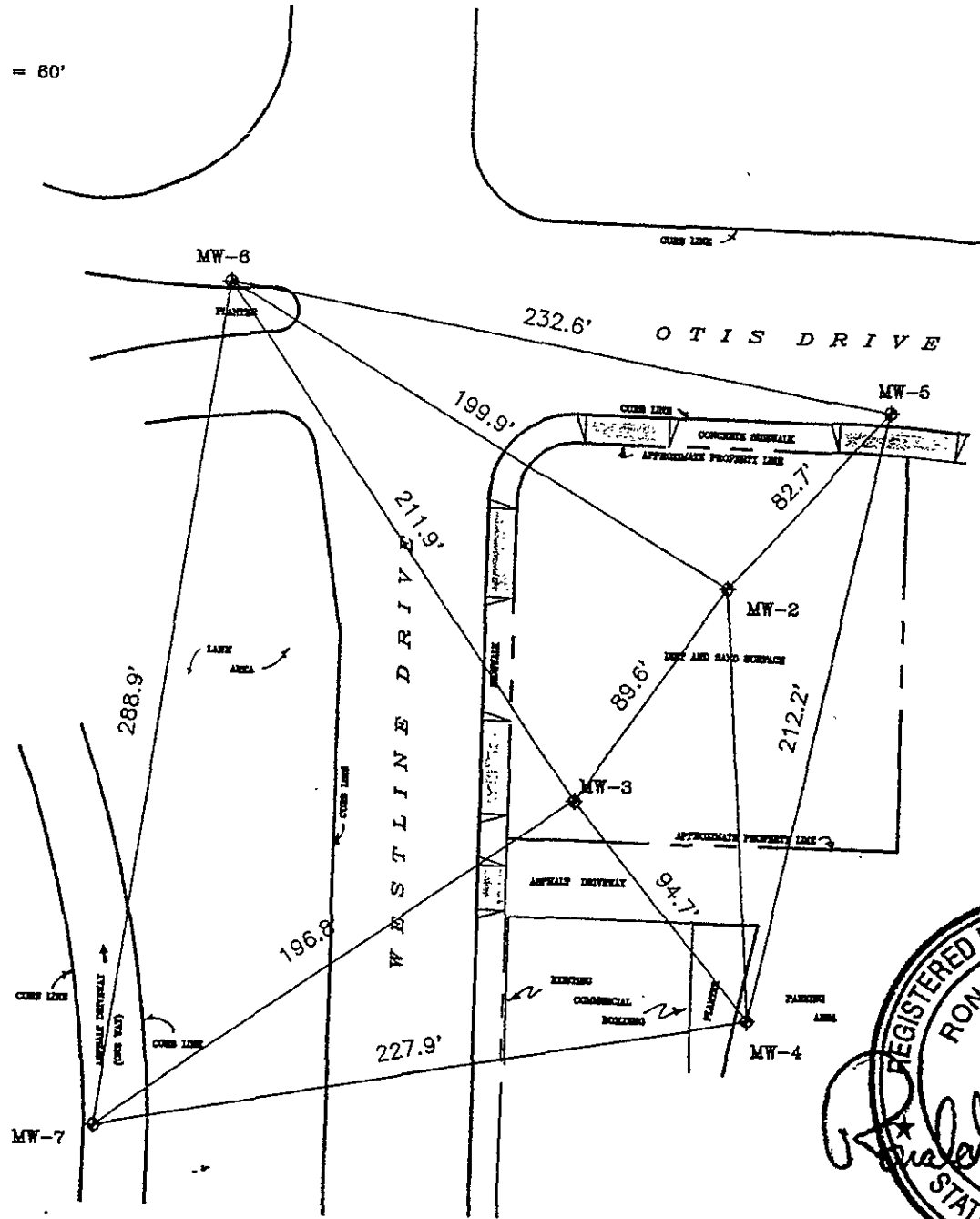
TOP OF A CITY OF ALAMEDA BRASS DISK SET IN A STANDARD MONUMENT CASTING AT THE INTERSECTION OF OTIS DRIVE AND WESTLINE DRIVE. ELEVATION TAKEN AS 7.46 M.S.L. (N.G.V.D.)

MONITORING WELL DATA TABLE

WELL DESIGNATION	TOP OF CASING ELEVATION	TOP OF BOX ELEVATION
MW-2	9.17	9.41
MW-3	7.11	7.34
MW-4	7.78	7.95
MW-5	7.37	7.62
MW-6	7.30	7.66
MW-7	9.58	10.00



SCALE: 1" = 60'



JOB NO. 2372

RON ARCHER CIVIL ENGINEER INC. • 4133 MOHR AVE. SUITE E • PLEASANTON CA. 94566

SITE INFORMATION FORM

Identification

Project # 320-122.1A
Station # 9-0211
Site Address: 9000 Hills Dr @ Westline Dr Alameda, CA
County: Alameda
Project Manager: Mark Sullivan
Requestor: Doug Andrews
Client:

Project Type

- 1st Time Visit
Quarterly
1st 2nd 3rd 4th
Monthly
Semi-Monthly
Weekly
One time event
Other:

Client P.O.C.:
Date of Request 1-30-96
Ideal field date(s): 2-8-96

Check Appropriate Category

Budget Hrs. 6.2 hrs
Actual Hrs.
Mob de Mob 1.5 hrs

Field Tasks: For General Description

circle one:

Priority: 1. (emergency, must be done within 24 hrs); 2. (next visit); 3. (when available)

- Develop and sample 6 groundwater monitoring wells (MW-2-7)
> Well spec: 2", 17' deep wells (screen 17-2' bgs)
- Sample wells for TPH-g/BTEX
- Send samples to Sequoia Analytical (standard turnaround)

Comments, remarks, etc. from Field Staff (include problems encountered and out-of-scope work)

- WELLS DEVELOPED AND SAMPLING REQUESTED
- NOTE HIGH CONDUCTIVITY OF MW6 WELL WATER
- DURING SURGE BLOCKING } PURGING, ALL WELLS PULLED FINE SAND INTO CASING. NOTE DECREASES IN TOTAL DEPTHS.

- Samples taken Samples not required Soil Vapor Groundwater
Weekly Semi-Monthly Monthly Quarterly Semi-Annual

PACIFIC ENVIRONMENTAL GROUP, INC.

Completed by: [Signature] Date: 2.8.96
Checked by:

WELL DEVELOPMENT DATA SHEET

Project#: 320-122.1A
 Site Address: 900 OTIS DR
Alameda

Well #: MW2
 DTW (feet): 2.75 (TOC) 2.99 (TOB)
 DTL (feet): — (TOC) — (TOB)
 Purge Vol (10 Casings): 23.0 (gal)

TD TOC = 16.55

Development Method Used: 2" Surge Block Across Screen
INTERVAL

Time		Depth		Gallons		Measurements				Comments: (odor, clarity, grain size, etc.) activity
begin	end	to water	to bottom	pumped	total	pH	cond	temp	turbidity	
—	—	2.79	16.12	—	—	—	—	—	—	AFTER DEVELOPMENT
1254	1256	2.94	—	2.3	2.3	8.26	692	64.0	HEAVY	No odor, green, sandy
—	1258	2.95	—	2.3	4.6	7.96	629	63.9	↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	
—	1301	2.98	—	2.3	6.9	7.84	615	63.8		
—	1304	—	—	2.3	9.2	7.63	586	63.5		
—	1307	2.93	—	2.3	11.5	7.61	587	63.5		
—	1309	3.05	—	2.3	13.8	7.53	583	63.6		
—	1312	—	—	2.3	16.1	7.56	580	63.2		
—	1314	3.05	—	2.3	18.4	7.49	572	63.3		
—	1316	3.07	—	2.3	20.7	7.52	596	63.1		
—	1318	3.00	—	2.3	23.0	7.52	592	62.9		

Completed by: [Signature] date: 2/8/10

WELL DEVELOPMENT DATA SHEET

Project#: 320-122.1A
 Site Address: 900 OTIS RR.
ALAMEDA

Well #: MW3
 DTW (feet): 1.36 (TOC) 1.60 (TOB)
 DTL (feet): — (TOC) — (TOB)
 Purge Vol (10 Casings): 23.0 (gal)

TDTOC = 15.10

Development Method Used: 2" SURGE BLOCK ACROSS
SCREENED INTERVAL

Time		Depth		Gallons		Measurements				Comments: (odor, clarity, grain size, etc.) activity
begin	end	to water	to bottom	pumped	total	pH	cond	temp	turbidity	
—	—	1.44	15.22	—	—	—	—	—	—	AFTER DEVELOPMENT
1342	1344	—	—	2.3	2.3	7.59	992	62.3	HEAVY	FAINT ODOOR, GREY, SANDY
→	1346	1.51	—	2.3	4.6	7.58	828	62.1		
	1349	1.60	—	2.3	6.9	7.62	801	62.2		
	1351	—	—	2.3	9.2	7.59	813	62.0		
→	1352	1.62	—	2.3	11.5	7.65	762	60.3		
	1354	1.60	—		13.8	7.66	780	60.0		
	1356	—	—		16.1	7.61	763	59.7		
→	1357	1.66	—		18.4	7.68	784	59.6		
	1359	1.68	—		20.7	7.62	786	59.7		
→	1401	1.64	14.66	↓	23.0	7.64	794	59.6	↓	↓ ↓ ↓

Completed by: [Signature] date: 2-8-76

WELL DEVELOPMENT DATA SHEET

Project#: 320-122.1A
 Site Address: 900 OTIS DR
PLANNING

Well #: MW4
 DTW (feet): 1.32 (TOC) 1.50 (TOB)
 DTL (feet): — (TOC) — (TOB)
 Purge Vol (10 Casings): 27.0 (gal)

TD TOC = 17.40

Development Method Used: 2" Surge Block across Screens
INTERMITTENT

Time		Depth TOC		Gallons		Measurements				Comments: (odor, clarity, grain size, etc.) activity
begin	end	to water	to bottom	pumped	total	pH	cond	temp	turbidity	
—	—	1.63	16.35	—	—	—	—	—	—	APRIL DEVELOPMENT
1058	1100	4.61	—	2.7	2.7	8.07	10,520	63.6	HEAVY	NO ODOR, GREY, SANDY
→	1102	4.22	—	2.7	5.4	8.34	11,450	64.1		
↘	1105	4.12	—	2.7	8.1	8.19	12,150	65.1		
→	1108	3.94	—	2.7	10.8	8.30	12,550	65.7		
↘	1111	4.22	—	2.7	13.5	8.26	12,070	65.3		
	1113	4.27	—	2.7	16.2	8.26	12,840	65.7		
	1116	4.20	—	2.7	18.9	8.23	12,920	65.2		
↘	1119	4.25	—	2.7	21.6	8.29	13,190	65.3	↓	
	1122	4.18	—	2.7	24.3	8.25	13,180	65.4	MUD →	
↘	1125	4.21	16.00	2.7	27.0	8.34	13,210	65.6	↓	

Completed by: Burke date: 2.8.96

WELL DEVELOPMENT DATA SHEET

TD/TOC = 16.02

Project#: 320-122.1A
 Site Address: 900 OTIS DR
BRAMBLEDA

Well #: MW05
 DTW (feet): 0.75 (TOC) 0.98 (TOB)
 DTL (feet): (TOC) (TOB)
 Purge Vol (10 Casings): 26.0 (gal)

Development Method Used: 2" SURG BLOCK ACROSS
SCREENED INTERVAL

Time		Depth ^{TOC}		Gallons		Measurements				Comments: (odor, clarity, grain size, etc.) activity
begin	end	to water	to bottom	pumped	total	pH	cond	temp	turbidity	
—	—	2.55	16.55	—	—					— AFTER DEVELOPMENT
1151	1153	4.95	—	2.6	2.6	8.45	11370	62.8	HEAVY	NO ODOR, GREY, SANDY
→	1156	4.36	—	2.6	5.2	8.52	11240	64.6		
	1159	4.04	—	2.6	7.8	8.45	113250	65.2		
	1202	—	—	2.6	10.4	8.59	12600	64.8		
→	1205	5.03	—	2.6	13.0	8.51	13060	65.2		
	1208	5.30	—	2.6	15.6	8.57	13170	66.7		
	1211	—	—	2.6	18.2	8.48	1320	67.2		
	1215	—	—	2.6	20.8	8.34	1341	67.2		
→	1217	5.22	—	2.6	23.4	8.49	1243	65.9		
→	1220	5.35	15.97	2.6	26.0	8.52	1285	66.4	↓	↓
									↓	↓

Completed by: [Signature] date: 28.96

WELL DEVELOPMENT DATA SHEET

Project#: 390-122.1A
 Site Address: 900 OTIS DR
ALAMEDA

Well #: MWC
 DTW (feet): 2.60 (TOC) 2.47 (TOB)
 DTL (feet): — (TOC) — (TOB)
 Purge Vol (10 Casings): 26.0 (gal)

Development Method Used: TD TOC = 17.18
2" Superblock
SCREENED INTERVAL

Time		Depth TOC		Gallons		Measurements				Comments: (odor, clarity, grain size, etc.) activity
begin	end	to water	to bottom	pumped	total	pH	cond	temp	turbidity	
—	—	2.45	16.90	—	—	—	—	—	—	AFTER DEVELOPMENT
0953	0955	3.47	—	2.6	2.6	7.36	>20K	66.5	HEAVY	GREY, NO ODOR, SANDY
	1000	3.57	—	2.6	5.2	7.37	>20K	67.5		
→	1003	4.53	—	2.6	7.8	7.24	18,870	66.9		
	1006	4.65	—	2.6	10.4	7.68	17,800	67.6		
	1009	—	—	2.6	13.0	7.51	18,740	67.5	↓	
	1012	4.38	—	2.6	15.6	7.42	17,890	67.6	MODERATE	
→	1015	—	—	2.6	18.2	7.57	18,450	69.9		
	1018	3.98	—	2.6	20.8	7.40	19,320	70.0		
→	1021	3.85	—	2.6	23.4	7.56	17,500	68.2		
→	1024	3.95	16.52	2.6	26.0	7.54	17,820	69.2	↓	

Completed by: B. [Signature] date: 2.8.96

WELL DEVELOPMENT DATA SHEET

Project#: 320-122,1A
 Site Address: 900 OTIS DR
ALAMEDA

Well #: MW7
 DTW (feet): 3.24 (TOC) 3.66 (TOB)
 DTL (feet): - (TOC) - (TOB)
 Purge Vol (10 Casings): 23.0 GAL (gal)

TD = 16.77 TOC

Development Method Used: 2" SURGE BLOCK ACROSS SCREENED INTERNAL

Time		Depth TOC		Gallons		Measurements				Comments: (odor, clarity, grain size, etc.) activity
begin	end	to water	to bottom	pumped	total	pH	cond	temp	turbidity	
→	→	3.44	15.84	-	-					After development
0835	0837	4.32	14.80	2.3	2.3	7.90	1,033	57.7	HEAVY	NO ODOR, GREY, VERY SILTY, FINE SAND
→	0842	5.66	14.75	2.3	4.6	7.81	910	60.7		
	0846	5.07	14.50	2.3	6.9	7.88	894	61.9		
	0851	5.38	14.50	2.3	9.2	7.87	900	62.2		
→	0855	5.20	14.50	2.3	11.5	8.15	1,126	62.6		
	0859	5.65	14.12	2.3	13.8	7.99	900	61.6		
	0903	5.25	14.07	2.3	16.1	8.01	816	60.9		
	0907	-	-	2.3	18.4	7.96	748	60.7		
→	0910	5.63	14.34	2.3	20.7	8.10	767	61.0		
→	0914	5.30	14.30	2.3	(23.0)	8.09	748	60.8		

Completed by: Simulab date: 7.8.96



city or state property
MW-6

OTIS DRIVE
city property
MW-5

MW-2
FORMER PRODUCT ISLANDS
FORMER STATION BUILDING

FORMER WASTE OIL TANK
MW-3
MW-1

FORMER UNDERGROUND FUEL STORAGE TANK COMPLEX

MW-4
private property

LEGEND

- WP-1 ⊙ TEMPORARY GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
- MW-1 ∅ ABANDONED WELL LOCATION AND DESIGNATION
- MW-2 ⊕ PROPOSED GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION

ROBERT CROWN MEMORIAL STATE BEACH

(Service Road)

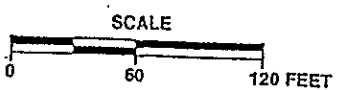
WESTLINE DRIVE
WP-2
WP-1
WP-3

MW-7
state property

grass



PACIFIC ENVIRONMENTAL GROUP, INC.



FORMER CHEVRON U.S.A. SERVICE STATION 9-0191
900 Otis Drive at Westline Drive
Alameda, California

PROPOSED WELL LOCATION MAP

FIGURE:
2
PROJECT:
320-122.1A

FOR CONTINUATION SEE MAP 9

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FOR CONTINUATION SEE MAP 8

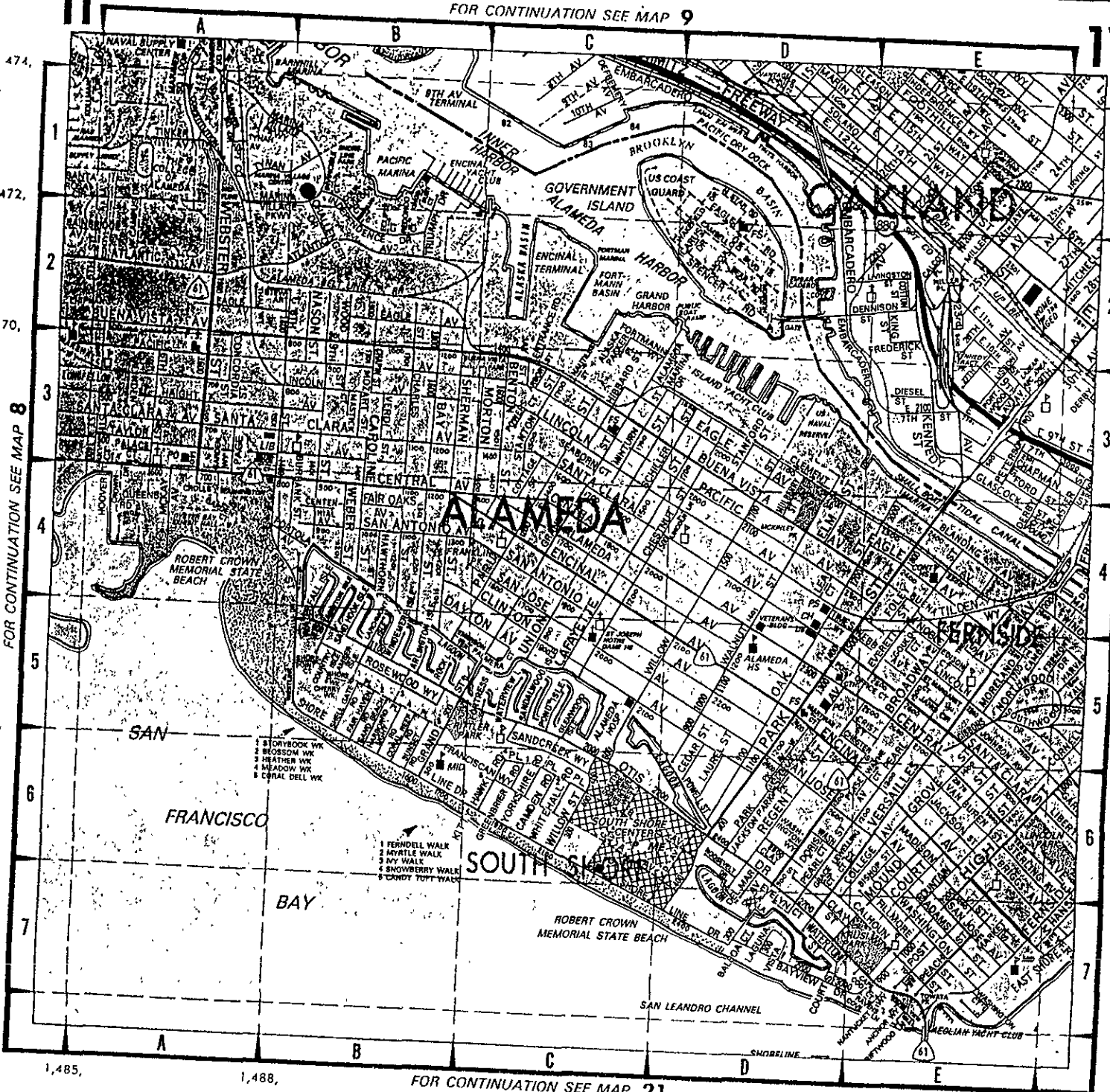
FOR CONTINUATION SEE MAP 12

DETAIL

460

462

464



474

472

470

5

6

7

1,485

1,488

FOR CONTINUATION SEE MAP 21

1,497

1,500



ATTACHMENT B

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



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

Client Proj. ID: 320-122.1A/9-0211, Alameda
Sample Descript: MW 7
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9602617-01

Sampled: 02/08/96
Received: 02/09/96
Analyzed: 02/13/96
Reported: 02/16/96

Attention: Mark Sullivan

QC Batch Number: GC021396BTEX20A

Instrument ID: GCHP20

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	92



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

SEQUOIA ANALYTICAL - ELAP #1210

Claudia Hirotsu
Project Manager





Pacific Environmental Group 2025 Gateway Place, Suite 440 San Jose, CA 95110	Client Proj. ID: 320-122.1A/9-0211, Alameda Sample Descript: MW 6 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9602617-02	Sampled: 02/08/96 Received: 02/09/96 Analyzed: 02/13/96 Reported: 02/16/96
Attention: Mark Sullivan		
QC Batch Number: GC021396BTEX20A		
Instrument ID: GCHP20		

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	97

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

SEQUOIA ANALYTICAL - ELAP #1210

Claudia Hirotsu
Project Manager





Pacific Environmental Group 2025 Gateway Place, Suite 440 San Jose, CA 95110	Client Proj. ID: 320-122.1A/9-0211, Alameda Sample Descript: MW 4 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9602617-03	Sampled: 02/08/96 Received: 02/09/96 Analyzed: 02/13/96 Reported: 02/16/96
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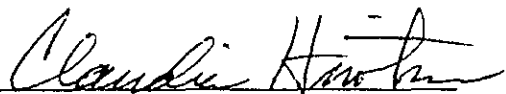
QC Batch Number: GC021396BTEX20A
Instrument ID: GCHP20

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	97

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

SEQUOIA ANALYTICAL - ELAP #1210


Claudia Hirotsu
Project Manager





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

Client Proj. ID: 320-122.1A/9-0211, Alameda
Sample Descript: MW 5
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9602617-04

Sampled: 02/08/96
Received: 02/09/96
Analyzed: 02/13/96
Reported: 02/16/96

Attention: Mark Sullivan

QC Batch Number: GC021396BTEX20A

Instrument ID: GCHP20

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	93

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

SEQUOIA ANALYTICAL - ELAP #1210

Claudia Hirotsu
Project Manager





Pacific Environmental Group 2025 Gateway Place, Suite 440 San Jose, CA 95110	Client Proj. ID: 320-122.1A/9-0211, Alameda Sample Descript: MW 2 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9602617-05	Sampled: 02/08/96 Received: 02/09/96 Analyzed: 02/14/96 Reported: 02/16/96
--	---	---

QC Batch Number: GC021496BTEX03A
Instrument ID: GCHP03

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	94
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		Gas
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	51 Q

Refer to page 1 of Lab Narrative

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

SEQUOIA ANALYTICAL - ELAP #1210

Claudia Hirotsu

Claudia Hirotsu
Project Manager





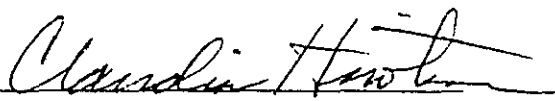
Pacific Environmental Group 2025 Gateway Place, Suite 440 San Jose, CA 95110	Client Proj. ID: 320-122.1A/9-0211, Alameda Sample Descript: MW 3 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9602617-06	Sampled: 02/08/96 Received: 02/09/96 Analyzed: 02/14/96 Reported: 02/16/96
Attention: Mark Sullivan		
QC Batch Number: GC021496BTEX03A		
Instrument ID: GCHP03		

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	100	460
Benzene	1.0	26
Toluene	1.0	N.D.
Ethyl Benzene	1.0	5.8
Xylenes (Total)	1.0	N.D.
Gas & Unidentified HC		< C8
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	128

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

SEQUOIA ANALYTICAL - ELAP #1210



Claudia Hirotsu
Project Manager





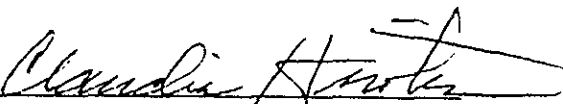
Pacific Environmental Group 2025 Gateway Place, Suite 440 San Jose, CA 95110 Attention: Mark Sullivan	Client Proj. ID: 320-122.1A/9-0211, Alameda Lab Proj. ID: 9602617	Received: 02/09/96 Reported: 02/16/96
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LABORATORY NARRATIVE

Q: Surrogate recovery was low due to matrix interference.

*What type of
interference?
Spoke to Claudia
Hirotsu - there is
really no way of
knowing what
caused interference.*

SEQUOIA ANALYTICAL


 Claudia Hirotsu
 Project Manager



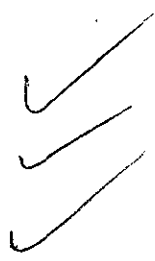


Pacific Environmental Group Client Project ID: 320-122.1A/9-0211, Alameda
 2025 Gateway Place, Suite 440 Matrix: LIQUID
 San Jose, CA 95110
 Attention: Mark Sullivan Work Order #: 9602617 01-04 Reported: Feb 16, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC021396BTEX20A	GC021396BTEX20A	GC021396BTEX20A	GC021396BTEX20A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	J. Woo	J. Woo	J. Woo	J. Woo
MS/MSD #:	960202302	960202302	960202302	960202302
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	2/13/96	2/13/96	2/13/96	2/13/96
Analyzed Date:	2/13/96	2/13/96	2/13/96	2/13/96
Instrument I.D.#:	GCHP20	GCHP20	GCHP20	GCHP20
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	10	9.8	9.9	30
MS % Recovery:	100	98	99	100
Dup. Result:	9.4	9.2	9.5	28
MSD % Recov.:	94	92	95	93
RPD:	6.2	6.3	4.1	6.9
RPD Limit:	0-50	0-50	0-50	0-50



LCS #:	BLK021396	BLK021396	BLK021396	BLK021396
Prepared Date:	2/13/96	2/13/96	2/13/96	2/13/96
Analyzed Date:	2/13/96	2/13/96	2/13/96	2/13/96
Instrument I.D.#:	GCHP20	GCHP20	GCHP20	GCHP20
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Result:	10	10	10	30
LCS % Recov.:	100	100	100	100



MS/MSD LCS Control Limits	70-130	70-130	70-130	70-130
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Please Note:
 The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

SEQUOIA ANALYTICAL

 Claudia Hirotsu
 Project Manager





Pacific Environmental Group Client Project ID: 320-122.1A/9-0211, Alameda
 2025 Gateway Place, Suite 440 Matrix: LIQUID
 San Jose, CA 95110
 Attention: Mark Sullivan Work Order #: 9602617 05, 06 Reported: Feb 16, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	Gc021496BTEX03A	Gc021496BTEX03A	Gc021496BTEX03A	Gc021496BTEX03A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	J. Woo	J. Woo	J. Woo	J. Woo
MS/MSD #:	960207712	960207712	960207712	960207712
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	2/14/96	2/14/96	2/14/96	2/14/96
Analyzed Date:	2/14/96	2/14/96	2/14/96	2/14/96
Instrument I.D.#:	GCHP3	GCHP3	GCHP3	GCHP3
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	10	10	11	31
MS % Recovery:	100	100	110	107
Dup. Result:	10	10	10	30
MSD % Recov.:	100	100	100	100
RPD:	0.0	0.0	9.5	6.5
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:	BLK021496	BLK021496	BLK021496	BLK021496
Prepared Date:	2/14/96	2/14/96	2/14/96	2/14/96
Analyzed Date:	2/14/96	2/14/96	2/14/96	2/14/96
Instrument I.D.#:	GCHP3	GCHP3	GCHP3	GCHP3
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Result:	11	11	11	32
LCS % Recov.:	110	110	110	107

MS/MSD LCS Control Limits	70-130	70-130	70-130	70-130
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SEQUOIA ANALYTICAL

Claudia Hirotsu

Claudia Hirotsu
Project Manager

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

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

9602617.PPP <2>



SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

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

WORKORDER: 9602617
 DATE OF LOG-IN: 02/09/96

CIRCLE THE APPROPRIATE RESPONSE		LAB SAMPLE #	DASH #	CLIENT IDENTIFICATION	CONTAINER DESCRIPTION	SAMPLE MATRIX	DATE SAMP.	REMARKS: CONDITION(ETC.)
1. Custody Seal(s)	Present / <u>Absent</u> Intact / Broken*	01	A-C	MW 7	VOA (3)	liquid	02/08/96	
2. Custody Seal Nos.:	Put in Remarks Section	02		6				
3. Chain-of-Custody Records:	<u>Present</u> / Absent*	03		4				
4. Traffic Reports or Packing List:	Present / <u>Absent</u>	04		5				
5. Airbill:	Airbill / Sticker Present / <u>Absent</u>	05		2				
6. Airbill No.:	<u>Present</u> / Absent*	06		3				
7. Sample Tags:	<u>Listed</u> / Not Listed on Chain-of-Custody							
8. Sample Condition:	<u>Intact</u> / Broken* / Leaking*							
9. Does information on custody reports, traffic reports and sample tags agree?	<u>Yes</u> / No*							
10. Proper preservatives used:	<u>Yes</u> / No*							
11. Date Rec. at Lab:	<u>02/09/96</u>							
12. Temp. Rec. at Lab:	<u>9°C</u>							
13. Time Rec. at Lab:	<u>15:30</u>							

Intake 02/07/96

* If Circled, contact Project manager and attach record of resolution

Chevron U.S.A. Inc.
P.O. BOX 5004
San Ramon, CA 94583
FAX (415)842-9591

Chevron Facility Number: 9-0211
Facility Address: 900 OTS DR. ALAMEDA
Consultant Project Number: 320-122.1A
Consultant Name: Pacific Environmental Group
Address: 2025 Gateway Place Ste.440 San Jose 95110
Project Contact (Name): MARK SULLIVAN
(Phone) (408)441-7500 (Number) 441-9102

Chevron Contact (Name): MARK MILLER
(Phone) 510 842-1000
Laboratory Name: SEQUOIA
Laboratory Release Number: 2300170
Samples Collected by (Name): JOHN MADDEX
Collection Date: 2.9.96
Signature: [Signature]

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed										NOTE: DO NOT BILL TB-LB SAMPLE 9602617 Remarks				
								BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd, Cr, Pb, Zn, Ni (ICAP or AA)							
MW7	01 A-C	3	W	G	0915	HK1	Y	X														
MW6	02				1025																	
MW4	03				1130																	
MW5	04				1225																	
MW2	05				1325																	
MW3	06				1405																	

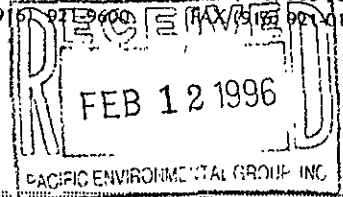
Relinquished By (Signature): <u>[Signature]</u>	Organization: <u>Pacific Environmental Group</u>	Date/Time: <u>2-9-96 7:00</u>	Received By (Signature): <u>[Signature]</u>	Organization: <u>Pacific</u>	Date/Time: <u>2/9/96 7:00</u>	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 5 Days 10 Days <u>As Contracted</u>
Relinquished By (Signature): <u>[Signature]</u>	Organization: <u>Pacific</u>	Date/Time: <u>2-9-96 2:10</u>	Received By (Signature): <u>[Signature]</u>	Organization: <u>SEO</u>	Date/Time: <u>2-9-96 2:10</u>	
Relinquished By (Signature):	Organization:	Date/Time:	Received For Laboratory By (Signature):		Date/Time:	



**Sequoia
Analytical**

680 Chesapeake Drive Redwood City, CA 94063
404 N. Wiget Lane Walnut Creek, CA 94598
819 Striker Avenue, Suite 8 Sacramento, CA 95834

(415) 364-9600 FAX (415) 364-9233
(510) 988-9600 FAX (510) 988-9673
(916) 971-9600 FAX (916) 971-0100



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

Client Proj. ID: 320-122.1A/9-0191, Alameda
Sample Descript: MW-2 @ 2'
Matrix: SOLID
Analysis Method: 8015Mod/8020
Lab Number: 9602057-01

Sampled: 01/29/96
Received: 02/01/96
Extracted: 02/02/96
Analyzed: 02/02/96
Reported: 02/09/96

Attention: Rhonda DeJung

QC Batch Number: GC020296BTEXEXA
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	87

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

SEQUOIA ANALYTICAL - ELAP #1210

Claudia Hirotsu
Project Manager





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

Client Proj. ID: 320-122.1A/9-0191, Alameda
Sample Descript: MW-3 @ 2'
Matrix: SOLID
Analysis Method: 8015Mod/8020
Lab Number: 9602057-02

Sampled: 01/29/96
Received: 02/01/96
Extracted: 02/02/96
Analyzed: 02/02/96
Reported: 02/09/96

QC Batch Number: GC020296BTEXEXA
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	85

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

SEQUOIA ANALYTICAL - ELAP #1210

Claudia Hirotsu
Project Manager





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

Client Proj. ID: 320-122.1A/9-0191, Alameda
Sample Descript: MW-3 @ 15'
Matrix: SOLID
Analysis Method: 8015Mod/8020
Lab Number: 9602057-03

Sampled: 01/29/96
Received: 02/01/96
Extracted: 02/02/96
Analyzed: 02/02/96
Reported: 02/09/96

QC Batch Number: GC020296BTEXEXA
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	89

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

SEQUOIA ANALYTICAL - ELAP #1210

Claudia Hirotsu
Project Manager





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

Client Proj. ID: 320-122.1A/9-0191, Alameda
Sample Descript: MW-4 @ 2'
Matrix: SOLID
Analysis Method: 8015Mod/8020
Lab Number: 9602057-04

Sampled: 01/29/96
Received: 02/01/96
Extracted: 02/02/96
Analyzed: 02/02/96
Reported: 02/09/96

QC Batch Number: GC020296BTEXEXA
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	92

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

SEQUOIA ANALYTICAL - ELAP #1210

Claudia Hirotsu
Project Manager





Pacific Environmental Group 2025 Gateway Place, Suite 440 San Jose, CA 95110	Client Proj. ID: 320-122.1A/9-0191, Alameda Sample Descript: MW-5 @ 2 Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9602057-05	Sampled: 01/29/96 Received: 02/01/96 Extracted: 02/02/96 Analyzed: 02/02/96 Reported: 02/09/96
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QC Batch Number: GC020296BTEXEXA
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	96

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

SEQUOIA ANALYTICAL - ELAP #1210

Claudia Hirotsu
Project Manager





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

Client Proj. ID: 320-122.1A/9-0191, Alameda
Sample Descript: MW-6 @ 2'
Matrix: SOLID
Analysis Method: 8015Mod/8020
Lab Number: 9602057-06

Sampled: 01/29/96
Received: 02/01/96
Extracted: 02/02/96
Analyzed: 02/02/96
Reported: 02/09/96

Attention: Rhonda DeJung

QC Batch Number: GC020296BTEXEXA

Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	96

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

SEQUOIA ANALYTICAL - ELAP #1210

Claudia Hirotsu
Project Manager





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

Client Proj. ID: 320-122.1A/9-0191, Alameda
Sample Descript: MW-7 @ 2'
Matrix: SOLID
Analysis Method: 8015Mod/8020
Lab Number: 9602057-07

Sampled: 01/29/96
Received: 02/01/96
Extracted: 02/02/96
Analyzed: 02/02/96
Reported: 02/09/96

Attention: Rhonda DeJung

QC Batch Number: GC020296BTEXEXA

Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	94

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

SEQUOIA ANALYTICAL - ELAP #1210

Claudia Hirotsu
Project Manager





Sequoia
Analytical

680 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite 8

Redwood City, CA 94063
Walnut Creek, CA 94598
Sacramento, CA 95834

(415) 364-9600
(510) 988-9600
(916) 921-9600

FAX (415) 364-9233
FAX (510) 988-9673
FAX (916) 921-0100

Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attention: Rhonda DeJung

Client Proj. ID: 320-122.1A/9-0191, Alameda

Lab Proj. ID: 9602057

Received: 02/01/96

Reported: 02/09/96

LABORATORY NARRATIVE

No issues.

SEQUOIA ANALYTICAL

Claudia Hirotsu
Project Manager





Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attention: Rhonda DeJung

Client Project ID: 320-122.1A/9-0191, Alameda
Matrix: SOLID

Work Order #: 9602057 01-07

Reported: Feb 9, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC020296BTEXEXA	GC020296BTEXEXA	GC020296BTEXEXA	GC020296BTEXEXA
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	D. Jirsa	D. Jirsa	D. Jirsa	D. Jirsa
MS/MSD #:	9601G8601	9601G8601	9601G8601	9601G8601
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	2/2/96	2/2/96	2/2/96	2/2/96
Analyzed Date:	2/2/96	2/2/96	2/2/96	2/2/96
Instrument I.D.#:	GCHP1	GCHP1	GCHP1	GCHP1
Conc. Spiked:	0.20 mg/kg	0.20 mg/kg	0.20 mg/kg	0.60 mg/Kg
Result:	0.18	0.19	0.19	0.56
MS % Recovery:	90	95	95	93
Dup. Result:	0.18	0.18	0.19	0.56
MSD % Recov.:	90	90	95	93
RPD:	0.0	5.4	0.0	0.0
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:	BLK020196	BLK020196	BLK020196	BLK020196
Prepared Date:	2/2/96	2/2/96	2/2/96	2/2/96
Analyzed Date:	2/2/96	2/2/96	2/2/96	2/2/96
Instrument I.D.#:	GCHP1	GCHP1	GCHP1	GCHP1
Conc. Spiked:	0.20 mg/kg	0.20 mg/kg	0.20 mg/kg	0.60 mg/Kg
LCS Result:	0.21	0.21	0.21	0.63
LCS % Recov.:	105	105	105	105

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

Please Note:

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

SEQUOIA ANALYTICAL

Claudia Hirotsu
Claudia Hirotsu
Project Manager

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

9602057.PPP <1>



SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

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

WORKORDER: 9602057
 DATE OF LOG-IN: 02/01/96

CIRCLE THE APPROPRIATE RESPONSE		LAB SAMPLE #	DASH #	CLIENT IDENTIFICATION	CONTAINER DESCRIPTION	SAMPLE MATRIX	DATE SAMP.	REMARKS: CONDITION(ETC.)
1. Custody Seal(s)	Present / Absent Intact / Broken*	01	A	MW-2 @ 2'	COED (1)	SOLID	2/29/96	
2. Custody Seal Nos.:	Put in Remarks Section	02		MW-3 @ 2'				
3. Chain-of-Custody Records:	Present / Absent *	03		MW-3-15'				
4. Traffic Reports or Packing List:	Present / Absent	04		MW-4-2'				
5. Airbill:	Airbill / Sticker Present / Absent	05		MW-5-2'				
6. Airbill No.:		06		MW-6 @ 2'				
7. Sample Tags:	Present / Absent*	07		MW-7 @ 2'				
8. Sample Condition:	Intact / Broken* / Leaking*							
9. Does information on custody reports, traffic reports and sample tags agree?	Yes / No*							
10. Proper preservatives used:	Yes / No*							
11. Date Rec. at Lab:	<u>2-1-96</u>							
12. Temp. Rec. at Lab:	<u>10°C</u>							
13. Time Rec. at Lab:	<u>120)</u>							

* If Circled, contact Project manager and attach record of resolution

Fax copy of Lab Report and COC to Chevron Contact: Yes No

Chain-of-Custody-Record

Chevron U.S.A. Inc. P.O. BOX 5004 San Ramon, CA 94583 FAX (415)842-9591	Chevron Facility Number <u>9-0191</u> Facility Address <u>9000 Alameda</u> Consultant Project Number <u>320-122.1A</u> Consultant Name <u>Pacific Environmental Group</u> Address <u>2025 Gateway Place Ste.440 San Jose</u> 95110 Project Contact (Name) _____ (Phone) <u>(408)441-7500</u> (Fax Number) <u>441-9102</u>	Chevron Contact (Name) <u>Mark Miller</u> (Phone) <u>510-842-1050</u> Laboratory Name <u>Siquora</u> Laboratory Release Number <u>2300170</u> Samples Collected by (Name) <u>Douglas Arheim</u> Collection Date <u>1-29-96</u> Signature <u>[Signature]</u>
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Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analytes To Be Performed											NOTE: DO NOT BILL TB-LB SAMPLE 9602057 Remarks			
								BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd, Cr, Pb, Zn, Ni (ICAP or AA)							
MW-202	01	Δ	1	S		None	Y	X														
MW-302	02		1	S			Y	X														
MW-3015	03		1	S			Y	X														
MW-402	04		1	S			Y	X														
MW-502	05		1	S			Y	X														
MW-602	06		1	S			Y	X														
MW-702	07		1	S			Y	X														

2 days to give to lab.

Relinquished By (Signature) <u>[Signature]</u>	Organization <u>Pacific</u>	Date/Time <u>1/30/96 9:00am</u>	Received By (Signature) <u>Manda De Jure</u>	Organization <u>PACOR</u>	Date/Time <u>1-30-96 9:00</u>	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 5 Days <input checked="" type="checkbox"/> 10 Days As Contracted
Relinquished By (Signature) <u>Manda De Jure</u>	Organization <u>Pacific</u>	Date/Time <u>2/1/96 11:15</u>	Received By (Signature) <u>[Signature]</u>	Organization <u>[Signature]</u>	Date/Time <u>2/1/96 11:15</u>	
Relinquished By (Signature) <u>[Signature]</u>	Organization <u>[Signature]</u>	Date/Time <u>2/1/96</u>	Received For Laboratory By (Signature) <u>[Signature]</u>	Organization <u>[Signature]</u>	Date/Time <u>2/1/96</u>	