PACIFIC
ENVIRONMENTAL
GROUP INC.

Also see soil analysis collected from beneath station building / hoist. (ND for benzene)

December 28, 1995
Project 286-001.4A

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

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

Dear Ms. Chu:

Pacific Environmental Group, Inc. (PACIFIC) has prepared this letter to document the remedial activities performed at the site referenced above (Figure 1). PACIFIC was retained by the Estate of John B. Henry to excavate and dispose petroleum hydrocarbon-impacted soil, backfill with clean imported soil, abandon six monitoring wells, and install a monitoring well. PACIFIC's *Remedial Work Plan* (Plan, June 29, 1995) was submitted to Alameda County Health Care Services (ACHCS) and describes the procedures which were used during the remedial activities. The Plan was approved with minor changes by Ms. Eva Chu of the ACHCS (July 7, 1995). Two changes were requested: (1) limiting the extent of excavation to soil concentrations with non-detectable levels of benzene rather that with less than 10 parts per million (ppm) total purgeable petroleum hydrocarbons calculated as gasoline (TPPH-g), and (2) continue monitoring Monitoring Well MW-5 rather than destroying the well.

The site included an enclosed service repair bay, three hydraulic lifts, an underground storage tank (UST) complex, one product dispenser island, and one underground waste oil storage tank (Figure 2). The USTs, located in the eastern portion of the property, were removed from the site in the early 1970's according to available records. However, the position and number of tanks removed from the site is unknown. From 1991 to present, the waste oil tank was removed and a series of soil borings were drilled and groundwater monitoring wells were installed to determine the extent of the impacted area.

Prior to initiating excavation activities, groundwater Monitoring Well MW-9 was installed. A boring log and construction details for this installation are presented as

Attachment A. Monitoring Wells MW-1 through MW-4, MW-6, and MW-7 were abandoned per the approved work plan.

DEWATERING

The excavation process included several steps. The first step was the installation of a dewatering system. This involved the installation of dewatering Wells DW-1 and DW-2 and the water treatment and storage system outlined in the Plan. The dewatering system was started shortly after installation and continued operation for the duration of the excavation. A sample of the system effluent and holding tank were taken and analyzed for TPPH-g by EPA Method 8015 modified and benzene, toluene, ethylbenzene, and xylenes (BTEX compounds) by EPA Method 8020. A sample of the system influent was taken and analyzed by Title 22 for metals. Groundwater analytical data are presented in Table 1. Certified analytical reports and chain-of-custody documentation are presented as Attachment B. An authorization letter for temporary discharge from the Regional Water Quality Control Board (RWQCB) is presented as Attachment C.

EXCAVATION

Following the dewatering system installation, excavation of the former tank complex was initiated. It was determined that the degree of soil contamination was greater than indicated by previous soil borings. Consequently, only 40 cubic yards of clean overburden was stockpiled separately from impacted soils during the entire excavation process.

The excavation proceeded in a stepwise fashion. Approximately 100 cubic yards of soil was removed, four discrete samples were taken, and the soil was loaded and transported to BFI Livermore, a Class II disposal facility. The four discrete soil samples were composited into one and analyzed for TPPH-g by EPA Method 8015 modified, BTEX compounds by EPA Method 8020, and total lead. The results were faxed to BFI Livermore for their review. Upon their approval, the soil was transported to the landfill for disposal. This procedure was followed until approximately a total of 1339 cubic yards of soil was excavated. This produced an excavation of approximately 37 feet wide by 48 feet long by 11 feet deep. Confirmation samples were taken in the invert and sidewalls of excavation and analyzed for TPPH-g by EPA Method 8015 modified and BTEX compounds by EPA Method 8020 as specified in the Plan. The soil analytical data are presented in Table 2. Certified analytical reports and chain-of-custody documentation are presented as Attachment B. A map of the excavation and sample locations is shown on Figure 2.

PRODUCT LINES

As part of the Plan, the product lines were to be removed from around the fuel island. In order to accomplish this, it was necessary to remove the fuel island canopy. This was completed prior to removing the product lines. Confirmation samples were taken

(Figure 2) and analyzed for TPPH-g by EPA Method 8015 modified and BTEX compounds by EPA Method 8020.

BACKFILL

A ramp was excavated for equipment access to the pit for backfilling. One and a half inch drain rock and clean, imported soil were delivered to the site and placed in the pit. The PVC piping grid, described in the Plan, was installed near former Monitoring Well MW-7 during the backfill procedure. The imported soil was compacted to 95 percent relative compaction per ASTM 1557-78 and compaction tests were completed approximately every three vertical feet. A geotechnical report documenting the compaction results is presented as Attachment D. After completing the backfill with native soils, a 6-inch layer of Class II aggregate baserock and a 2-inch layer of asphaltic cement was installed over the footprint of the excavation and the access ramp. A chronology of site activities is presented in Table 3.

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

Sincerely,

Pacific Environmental Group, Inc.

Lance Geselbracht
(signed for by MS)
Lance D. Geselbracht, P.E.
Senior Engineer

Attachments:
- Table 1 - Groundwater Analytical Data - Total Petroleum Hydrocarbons (TPPH as Gasoline, BTEX Compounds, and Metals)
- Table 2 - Soil Analytical Data - Total Petroleum Hydrocarbons (TPPH as Gasoline, BTEX Compounds, and Lead)
- Table 3 - Work Chronology
- Figure 1 - Site Location Map
- Figure 2 - Map of Excavation
- Attachment A - Monitoring Well MW-9 Boring Log and Well Construction Details
- Attachment B - Certified Analytical Reports and Chain-of-Custody Documentation
- Attachment C - Temporary Discharge Authorization Letter
- Attachment D - Soil Compaction Test Results

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

Table 1

Groundwater Analytical Data

Total Petroleum Hydrocarbons

(TPPH as Gasoline, BTEX Compounds, and Metals)

Estate of John B. Henry Property

1726 Park Street at Eagle Avenue

Alameda, California

Sample ID	Date Sampled	TPPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)
Effl	09/13/95	<50	<0.50	<0.50	<0.50	<0.50

TPPH = Total purgeable petroleum hydrocarbons
ppb = Parts per billion
Effl = Effluent

Priority Pollutants: Metals

(Title 22)

Sample ID	Date Sampled	Antimony (ppb)	Arsenic (ppb)	Beryllium (ppb)	Cadmium (ppb)	Chromium (ppb)	Copper (ppb)	Lead (ppb)	Mercury (ppb)	Nickel (ppb)	Selenium (ppb)	Silver (ppb)	Thallium (ppb)	Zinc (ppb)
DW-1	09/11/95	8.2	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	13	<5.0	<5.0	<5.0	24

ppb = parts per billion

Table 2
Soil Analytical Data
Total Petroleum Hydrocarbons
(TPPH as Gasoline, BTEX Compounds, and Lead)

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

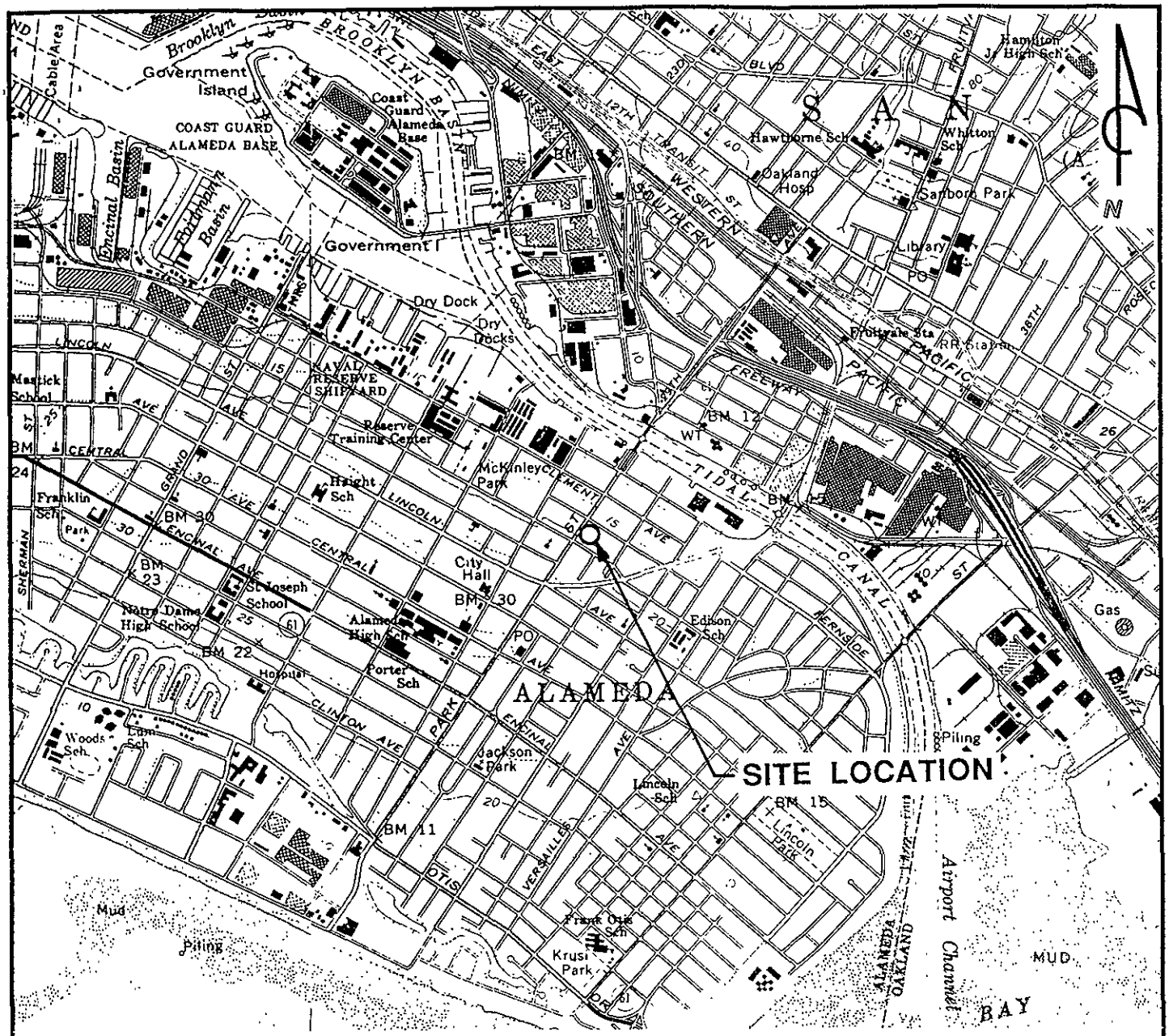
Type of Sample	Sample ID	Sample Depth (feet)	Date Sampled	TPPH as Gasoline (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl-benezene (ppm)	Xylenes (ppm)	Lead (ppm)
Stockpile	SP-(1-4)	NA	09/13/95	590	<0.50	1.8	9.1	11	15
	SP-(1-4) Comp	NA	09/19/95	120	<0.25	<0.25	<0.25	1.6	12
	SP-5 (A-D) Comp	NA	09/20/95	150	<0.05	0.3	1.3	6.4	5.1
	SP-6 (A-D) Comp	NA	09/21/95	580	<0.50	1.2	5.5	28	6.6
	SP-7D	NA	09/21/95	230	<0.25	<0.25	1.5	3.5	7.2
	SP-8D	NA	09/21/95	170	<0.25	0.32	0.68	2.6	17
	SP-9 (A-D)	NA	09/22/95	250	<0.25	0.77	0.97	3.5	<5.0
	SP-10 (A-D)	NA	09/22/95	780	<1.0	<1.0	<1.0	2.1	5
Invert of Pit	INV-1	11	09/21/95	<1.0	<0.005	<0.005	<0.005	<0.005	NT
	INV-2	11	09/21/95	<1.0	<0.005	<0.005	<0.005	<0.005	NT
	INV-3	11	09/21/95	<1.0	<0.005	<0.005	<0.005	<0.005	NT
	INV-4	11	09/22/95	<1.0	<0.005	<0.005	<0.005	<0.005	NT
	INV-5	NA	09/29/95	<1.0	<0.005	<0.005	<0.005	<0.005	NT
	INV-6	NA	09/29/95	<1.0	<0.005	<0.005	<0.005	<0.005	NT
Product Line	PL-1	18	09/27/95	<1.0	<0.005	<0.005	<0.005	<0.005	NT
Sidewall of Pit	W-1	3	09/19/95	110	<1.2	4.1	7.7	33	6.7
	W-2	4	09/19/95	3,500	<1.2	4.1	35	170	8.7
	SW-1	2	09/22/95	4.3	<0.005	<0.005	0.081	0.32	<5.0
	SW-2	8	09/27/95	<1.0	<0.005	<0.005	<0.005	<0.005	NT
	SW-3	8	09/27/95	50	<0.05	<0.05	0.16	0.3	NT
	SW-4	NA	09/29/95	<1.0	<0.005	<0.005	<0.005	<0.005	NT
	SW-5	NA	09/29/95	<1.0	<0.005	<0.005	<0.005	<0.005	NT
	SW-6	NA	09/29/95	<1.0	<0.005	<0.005	<0.005	0.0074	NT
	SW-7	NA	09/29/95	<1.0	<0.005	<0.005	<0.005	<0.005	NT
	SW-8	NA	09/29/95	72	0.17	0.65	0.18	0.41	NT
	SW-9	NA	09/29/95	1,500	<1.5	<1.5	5.5	15	NT
	SW-10	NA	09/29/95	76	<0.10	<0.10	0.84	4.6	NT
	SW-11	NA	09/29/95	4,500	<10	<10	35	60	NT
	SW-12	NA	09/29/95	290	<0.50	<0.50	0.71	2.1	NT
	SW-13	NA	09/29/95	120	<0.12	<0.12	0.28	0.9	NT

TPPH = Total purgeable petroleum hydrocarbons
ppm = Parts per million
NA = Not available
NT = Not tested

Table 3
Work Chronology

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

Date:	**Work Completed:**
September 11, 1995	Dewatering Wells DW-1 and DW-2 installed. Six monitoring wells were abandoned. Assembled water treatment system. Installed Monitoring Well MW-9.
September 12, 1995	Installed dewatering pumps in wells and initiated dewatering.
September 13, 1995	Began excavating pit and stockpiling soil. Sampled dewatering wells. Sampled stockpile.
September 14, 1995	Removed hydraulic hoists (see separate letter report).
September 18, 1995	Continued excavating and stockpiling soil.
September 19, 1995	Continued excavating and stockpiling soil. Sampled stockpile.
September 20, 1995	Began hauling soil to BFI Continued excavating and stockpiling soil. Sampled stockpile.
September 21, 1995	Continued hauling soil to BFI. Continued excavating and stockpiling soil. Sampled stockpile. Sampled pit invert.
September 22, 1995	Continued hauling soil to BFI. Continued excavating and stockpiling soil. Sampled stockpile. Sampled pit invert.
September 23, 1995	Hauled soil to BFI.
September 25, 1995	Continued hauling soil to BFI. Continued excavating and stockpiling soil.
September 26, 1995	Continued hauling soil to BFI. Continued excavating and stockpiling soil.
September 27, 1995	Removed fuel island canopy and product lines. Sampled product line excavation.
September 28, 1995	Completed pit excavation. Built access ramp.
September 29, 1995	Hauled remainder of soil to BFI. 95 tons of drain rock delivered to site. Began backfilling with drain rock.
October 3, 1995	Continued backfilling with drain rock. Installed PVC piping grid. Delivery of backfill soil began.
October 4, 1995	Continued backfill delivery. Began backfilling with soil. Soil compacted and tested.
October 5, 1995	Continued backfill delivery. Continued backfilling with soil. 43 tons of extra soil were hauled to BFI. Continued soil compacting and testing.
October 6, 1995	Completed backfilling with soil. Completed soil compacting and testing.
November 16, 1995	Installed 6 inches of aggregate baserock in excavation.
November 29, 1995	Repave approximately 3,000 square feet of pavement.



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

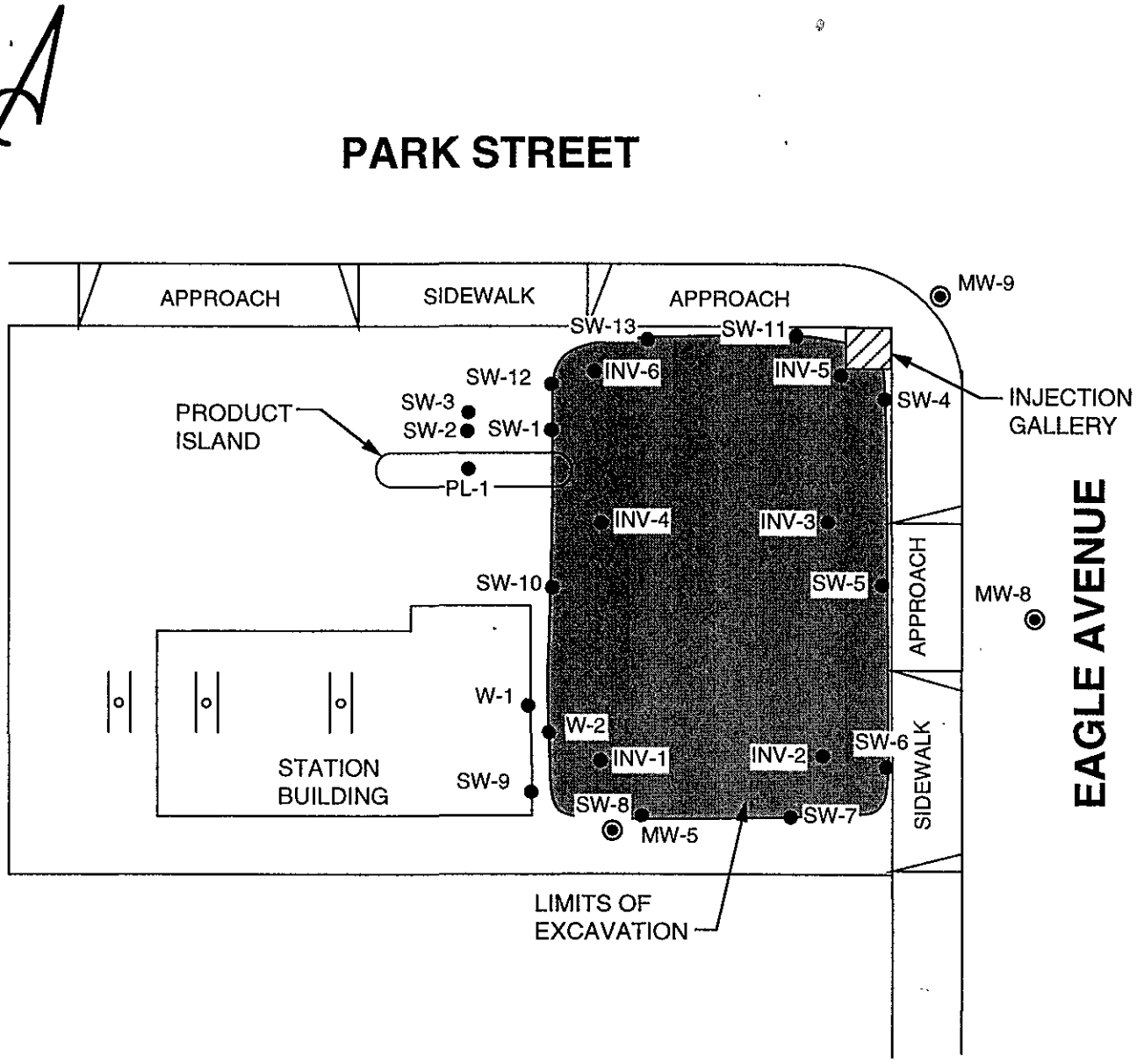
PACIFIC ENVIRONMENTAL GROUP, INC.

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

SITE LOCATION MAP

FIGURE: 1

PROJECT: 286-001.2A



LEGEND

MW-4 ◉ GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION

HL-3 ● SOIL SAMPLE LOCATION AND DESIGNATION

SCALE

0 20 40 FEET

PACIFIC ENVIRONMENTAL GROUP, INC.

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

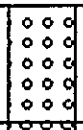
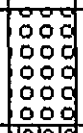
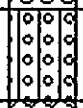
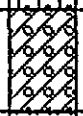
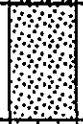
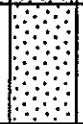
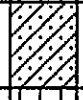
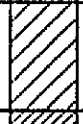
MAP OF EXCAVATION

FIGURE: **2**

PROJECT: 286-001.4A

ATTACHMENT A

MONITORING WELL MW-9 BORING LOG AND WELL CONSTRUCTION DETAILS

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

WELL LOG
KEY TO ABBREVIATIONS

Drilling Method

HSA - Hollow stem auger
CFA - Continous 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

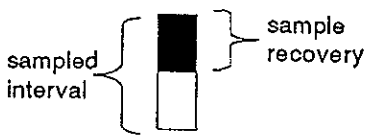
H-NU (ppm)

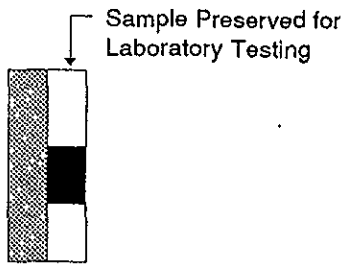
ND - No detection

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

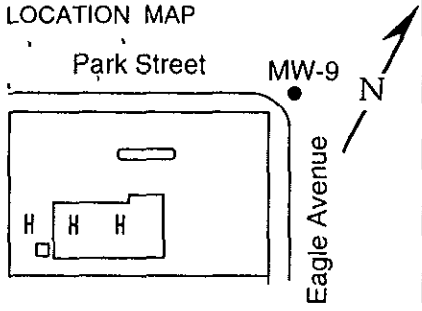
Silts and Clays

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

LOCATION MAP



PACIFIC ENVIRONMENTAL GROUP, INC.

WELL NO. MW-9
PAGE 1 OF 1

PROJECT NO. 286-001.3C
LOGGED BY: DA
DRILLER: V&W DRILLING
DRILLING METHOD: HSA
SAMPLING METHOD: CALMOD
CASING TYPE: SCH 40 PVC
SLOT SIZE: 0.020"
SAND PACK: #3 SAND

CLIENT: TEXACO
DATE DRILLED: 9-11-95
LOCATION: 1726 Park Street
HOLE DIAMETER: 8"
HOLE DEPTH: 19'
WELL DIAMETER: 2"
WELL DEPTH: 19'
CASING STICKUP: 1'

WELL COMPLETION	MOISTURE CONTENT	PID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY / SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
				0				ASPHALT: roadbase rock.
GROUT				2			SC	CLAYEY SAND: olive; 15-25% clay; 5-10% silt; 65-70% fine to medium sand; loose; moderate product odor.
	Mst-Wt	987	12	4				
				6				
				8				
				10			SP	SAND: dark yellowish brown; 5-10% fines; 80-85% fine sand; abundant mafics; medium dense; no product odor.
SAND	Sat	31	32	12				
				14			SC	CLAYEY SAND: olive; 25-30% clay; 5-10% silt; 60-65% fine sand; trace medium sand; <0.5mm root lets; medium dense; moderate product odor.
BENTONITE	Sat	793	38	16				
	Sat	0	41	18			SP	SAND: yellowish brown; 5-10% fines; 85-90% fine sand; 5-10% medium sand; trace coarse sand; dense; no product odor.
				20				
				22				BOTTOM OF BORING AT 19'
				24				
				26				
				28				
				30				
				32				
				34				
				36				
				38				
				40				
				42				
				44				

ATTACHMENT B

CERTIFIED ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY DOCUMENTATION

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

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

Attention: Maree Doden

Client Proj. ID: 286-001.4A/Alameda
Sample Descript: DW-1
Matrix: LIQUID
Analysis Method: Title 22
Lab Number: 9509470-01

Sampled: 09/11/95
Received: 09/11/95

Analyzed: 09/13/95
Reported: 09/15/95

Priority Pollutants:Metals

Analyte	Detection Limit ug/L	Sample Results ug/L
Antimony, Sb	**5.0**	**8.2**
Arsenic, As	5.0	N.D.
Beryllium, Be	5.0	N.D.
Cadmium, Cd	5.0	N.D.
Chromium, Cr	5.0	N.D.
Copper, Cu	5.0	N.D.
Lead, Pb	5.0	N.D.
Mercury, Hg	0.20	N.D.
Nickel, Ni	**5.0**	**13**
Selenium, Se	5.0	N.D.
Silver, Ag	5.0	N.D.
Thallium, Tl	5.0	N.D.
Zinc, Zn	**5.0**	**24**

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

SEQUOIA ANALYTICAL - ELAP #1210

B Fletcher

Brucie Fletcher
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

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

Attention: Maree Doden

Client Proj. ID: 286-001.4A/Alameda
Sample Descript: Effl
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9509744-01

Sampled: 09/13/95
Received: 09/14/95

Analyzed: 09/14/95
Reported: 09/20/95

QC Batch Number: GC091495BTEX03A
Instrument ID: GCHP03

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.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	86

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

EQUOIA ANALYTICAL - ELAP #1210

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Sampled 9/13/95

acific Environmental Group	Client Proj. ID: 286-001.4A/Alameda	Sampled: 09/14/95
25 Gateway Place, Suite 440	Sample Descript: Effl	Received: 09/14/95
an Jose, CA 95110	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 09/14/95
ttention: Maree Doden	Lab Number: 9509744-01	Reported: 09/15/95

Batch Number: GC091495BTEX03A
rument ID: GCHP03

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

nalyte	Detection Limit ug/L	Sample Results ug/L
PH as Gas	50	N.D.
enzene	0.50	N.D.
oluene	0.50	N.D.
hyl Benzene	0.50	N.D.
lenes (Total)	0.50	N.D.
romatogram Pattern:		

urrogates	Control Limits %		% Recovery
ifluorotoluene	70	130	86

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

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'acific Environmental Group
'025 Gateway Place, Suite 440
'an Jose, CA 95110

Client Proj. ID: 286-001.4A/Alameda
Lab Proj. ID: 9509745

Sampled: 09/13/95
Received: 09/14/95
Analyzed: see below

\ttention: Maree Doden

Reported: 09/15/95

LABORATORY ANALYSIS

Analyte	Units	Date Analyzed	Detection Limit	Sample Results
Lab No: 9509745-01				
Sample Desc : SOLID,SP-(1-4)				
Lead	mg/Kg	09/15/95	5.0	15

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

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Attention: Maree Doden

Client Proj. ID: 286-001.4A/Alameda
Sample Descript: SP-(1-4)
Matrix: SOLID
Analysis Method: 8015Mod/8020
Lab Number: 9509745-01

Sampled: 09/13/95
Received: 09/14/95
Extracted: 09/14/95
Analyzed: 09/14/95
Reported: 09/15/95

C Batch Number: GC091495BTEXEXA
strument ID: GCHP01

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	**100**	**590**
Benzene	0.50	N.D.
Toluene	**0.50**	**1.8**
Ethyl Benzene	**0.50**	**9.1**
Xylenes (Total)	**0.50**	**11**
Chromatogram Pattern:		**Gas**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	100

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

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an Jose, CA 95110

Client Proj. ID: 286.001.4A/Alameda
Lab Proj. ID: 9509B00

Sampled: 09/19/95
Received: 09/19/95
Analyzed: see below

ttention: Maree Doden

Reported: 09/20/95

LABORATORY ANALYSIS

nalyte	Units	Date Analyzed	Detection Limit	Sample Results
ab No: 9509B00-01				
ample Desc : **SOLID,SP-(1-4) Comp**				
Lead	**mg/Kg**	**09/20/95**	**5.0**	**12**

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

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an Jose, CA 95110

tention: Maree Doden

Client Proj. ID: 286.001.4A/Alameda
Sample Descript: SP-(1-4) Comp
Matrix: SOLID
Analysis Method: 8015Mod/8020
Lab Number: 9509B00-01

Sampled: 09/19/95
Received: 09/19/95
Extracted: 09/20/95
Analyzed: 09/20/95
Reported: 09/20/95

Batch Number: GC092095BTEXEXA
trument ID: GCHP07

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

nalyte	Detection Limit mg/Kg	Sample Results mg/Kg
PPH as Gas	**50**	**120**
enzene	0.25	N.D.
oluene	0.25	N.D.
hyl Benzene	0.25	N.D.
ylenes (Total)	**0.25**	**1.6**
hromatogram Pattern:		
'eathered Gas		**C7-C12**

urrogates	Control Limits %		% Recovery
ifluorotoluene	70	130	107

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

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

Client Proj. ID: 286-001.4A/Alameda

Lab Proj. ID: 9509C29

Attention: Maree Doden

Sampled: 09/20/95
Received: 09/20/95
Analyzed: see below

Reported: 09/22/95

LABORATORY ANALYSIS

Analyte	Units	Date Analyzed	Detection Limit	Sample Results
Lab No: 9509C29-01				
Sample Desc : **SOLID,SP-5(A-D)Comp**				
Lead	**mg/Kg**	**09/21/95**	**5.0**	**5.1**

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

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Attention: Maree Doden

Client Proj. ID: 286-001.4A/Alameda
Sample Descript: SP-5(A-D)Comp
Matrix: SOLID
Analysis Method: 8015Mod/8020
Lab Number: 9509C29-01

Sampled: 09/20/95
Received: 09/20/95
Extracted: 09/21/95
Analyzed: 09/21/95
Reported: 09/22/95

QC Batch Number: GC092195BTEXEXA
Instrument ID: GCHP 6

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/KG	Sample Results mg/KG
TPPH as Gas	**10**	**150**
Benzene	0.050	N.D.
Toluene	**0.050**	**0.30**
Ethyl Benzene	**0.050**	**1.3**
Xylenes (Total)	**0.050**	**6.4**
Chromatogram Pattern:		**Gas**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	165 Q

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

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Client Proj. ID: 286-001.4A/Alameda
Lab Proj. ID: 9509D05

Sampled: 09/21/95
Received: 09/21/95
Analyzed: see below

ttention: Maree Doden

Reported: 09/22/95

LABORATORY ANALYSIS

nalyte	Units	Date Analyzed	Detection Limit	Sample Results
ab No: 9509D05-01				
ample Desc : **SOLID,SP-6 (A-D) Comp**				
Lead	mg/Kg	09/21/95	5.0	6.6

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

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ttention: Maree Doden

Client Proj. ID: 286-001.4A/Alameda
Sample Descript: SP-6 (A-D) Comp
Matrix: SOLID
Analysis Method: 8015Mod/8020
Lab Number: 9509D05-01

Sampled: 09/21/95
Received: 09/21/95
Extracted: 09/21/95
Analyzed: 09/21/95
Reported: 09/22/95

Batch Number: GC092195BTEXEXE
strument ID: GCHP22

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

nalyte	Detection Limit mg/Kg	Sample Results mg/Kg
PPH as Gas	100	580
enzene	0.50	N.D.
oluene	0.50	1.2
thyl Benzene	0.50	5.5
ylenes (Total)	0.50	28
hromatogram Pattern:		Gas

urrogates	Control Limits %		% Recovery
rifluorotoluene	70	130	96

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

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Client Proj. ID: 286-001.4A/Alameda

Lab Proj. ID: 9509D35

Sampled: 09/21/95
Received: 09/21/95
Analyzed: see below

ttention: Maree Doden

Reported: 09/22/95

LABORATORY ANALYSIS

nalyte	Units	Date Analyzed	Detection Limit	Sample Results
ab No: 9509D35-01 ample Desc : **SOLID,SP-7D**				
Lead	**mg/Kg**	**09/22/95**	**5.0**	**7.2**
ab No: 9509D35-02 ample Desc : **SOLID,SP-8D**				
Lead	**mg/Kg**	**09/22/95**	**5.0**	**17**

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

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\ttention: Maree Doden

Client Proj. ID: 286-001.4A/Alameda
Sample Descript: SP-7D
Matrix: SOLID
Analysis Method: 8015Mod/8020
Lab Number: 9509D35-01

Sampled: 09/21/95
Received: 09/21/95
Extracted: 09/22/95
Analyzed: 09/22/95
Reported: 09/22/95

; Batch Number: GC092295BTEXEXA
;trument ID: GCHP 18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/KG	Sample Results mg/KG
TPPH as Gas	**50**	**230**
Benzene	0.25	N.D.
Toluene	0.25	N.D.
Ethyl Benzene	**0.25**	**1.5**
Xylenes (Total)	**0.25**	**3.5**
Chromatogram Pattern:		
Weathered Gas		**C8-C12**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	118

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

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\ttention: Maree Doden

Client Proj. ID: 286-001.4A/Alameda
Sample Descript: SP-8D
Matrix: SOLID
Analysis Method: 8015Mod/8020
Lab Number: 9509D35-02

Sampled: 09/21/95
Received: 09/21/95
Extracted: 09/22/95
Analyzed: 09/22/95
Reported: 09/22/95

) Batch Number: GC092295BTEXEXA
strument ID: GCHP 18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	**50**	**170**
Benzene	0.25	N.D.
Toluene	**0.25**	**0.32**
Ethyl Benzene	**0.25**	**0.68**
Xylenes (Total)	**0.25**	**2.6**
Chromatogram Pattern:		
Weathered Gas		C8-C12

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	81

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

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Client Proj. ID: 286-001.4A/Alameda
Lab Proj. ID: 9509E53

Sampled: 09/22/95
Received: 09/22/95
Analyzed: see below

Attention: Maree Doden

Reported: 09/26/95

LABORATORY ANALYSIS

Analyte	Units	Date Analyzed	Detection Limit	Sample Results
Lab No: 9509E53-01 Sample Desc : **SOLID,SP-9(A-D)**				
Lead	mg/Kg	09/25/95	5.0	N.D.
Lab No: 9509E53-02 Sample Desc : **SOLID,SP-10(A-D)**				
Lead	**mg/Kg**	***09/25/95***	**5.0**	**5.0**

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

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acific Environmental Group
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an Jose, CA 95110

ttention: Maree Doden

Client Proj. ID: 286-001.4A/Alameda
Sample Descript: SP-9(A-D)
Matrix: SOLID
Analysis Method: 8015Mod/8020
Lab Number: 9509E53-01

Sampled: 09/22/95
Received: 09/22/95
Extracted: 09/25/95
Analyzed: 09/25/95
Reported: 09/26/95

Batch Number: GC092595BTEXEXA
trument ID: GCHP06

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

nalyte	Detection Limit mg/Kg	Sample Results mg/Kg
PPH as Gas	**50**	**250**
enzene	0.25	N.D.
oluene	**0.25**	**0.77**
thyl Benzene	**0.25**	**0.97**
ylenes (Total)	**0.25**	**3.5**
hromatogram Pattern:		
/eathered Gas		**C6-C12**

urrogates	Control Limits %		% Recovery
rifluorotoluene	70	130	124

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

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acific Environmental Group	Client Proj. ID: 286-001.4A/Alameda	Sampled: 09/22/95
)25 Gateway Place, Suite 440	Sample Descript: SP-10(A-D)	Received: 09/22/95
an Jose, CA 95110	Matrix: SOLID	Extracted: 09/25/95
	Analysis Method: 8015Mod/8020	Analyzed: 09/25/95
tention: Maree Doden	Lab Number: 9509E53-02	Reported: 09/26/95

Batch Number: GC092595BTEXEXA
trument ID: GCHP07

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

nalyte	Detection Limit mg/Kg	Sample Results mg/Kg
PPH as Gas	**200**	**780**
enzene	1.0	N.D.
oluene	1.0	N.D.
thyl Benzene	1.0	N.D.
ylenes (Total)	**1.0**	**2.1**
hromatogram Pattern:		
'eathered Gas		**C6-C12**

urrogates	Control Limits %		% Recovery
ifluorotoluene	70	130	97

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

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Pacific Environmental Group
2025 Gateway Place, Suite 440
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Attention: Maree Doden

Client Proj. ID: 286-001.4A/Alameda
Sample Descript: INV-1
Matrix: SOLID
Analysis Method: 8015Mod/8020
Lab Number: 9509D54-01

Sampled: 09/21/95
Received: 09/21/95
Extracted: 09/25/95
Analyzed: 09/25/95
Reported: 09/27/95

QC Batch Number: GC092595BTEXEXB
Instrument ID: GCHP01

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.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	101

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

SEQUOIA ANALYTICAL - ELAP #1210

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'acific Environmental Group
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ian Jose, CA 95110

\ttention: Maree Doden

Client Proj. ID: 286-001.4A/Alameda
Sample Descript: INV-2
Matrix: SOLID
Analysis Method: 8015Mod/8020
Lab Number: 9509D54-02

Sampled: 09/21/95
Received: 09/21/95
Extracted: 09/25/95
Analyzed: 09/25/95
Reported: 09/27/95

C Batch Number: GC092595BTEXEXB
strument ID: GCHP01

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.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	94

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

EQUOIA ANALYTICAL - ELAP #1210

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Pacific Environmental Group	Client Proj. ID: 286-001.4A/Alameda	Sampled: 09/21/95
2025 Gateway Place, Suite 440	Sample Descript: INV-3	Received: 09/21/95
San Jose, CA 95110	Matrix: SOLID	Extracted: 09/25/95
	Analysis Method: 8015Mod/8020	Analyzed: 09/25/95
Attention: Maree Doden	Lab Number: 9509D54-03	Reported: 09/27/95

QC Batch Number: GC092595BTEXEXB
Instrument ID: GCHP01

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.
Chromatogram Pattern:		

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

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acific Environmental Group
025 Gateway Place, Suite 440
an Jose, CA 95110

ttention: Maree Doden

Client Proj. ID: 286-001.4A/Alameda
Sample Descript: INV-4
Matrix: SOLID
Analysis Method: 8015Mod/8020
Lab Number: 9509E53-04

Sampled: 09/22/95
Received: 09/22/95
Extracted: 09/25/95
Analyzed: 09/25/95
Reported: 09/26/95

Batch Number: GC092595BTEXEXA
trument ID: GCHP06

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

nalyte	Detection Limit mg/Kg	Sample Results mg/Kg
PPH as Gas	1.0	N.D.
enzene	0.0050	N.D.
oluene	0.0050	N.D.
thyl Benzene	0.0050	N.D.
ylenes (Total)	0.0050	N.D.
hromatogram Pattern:		

urrogates	Control Limits %		% Recovery
rifluorotoluene	70	130	113

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

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ttention: Maree Doden

Client Proj. ID: 286-001.4A/Alameda
Sample Descript: INV-5
Matrix: SOLID
Analysis Method: 8015Mod/8020
Lab Number: 9510104-10

Sampled: 09/29/95
Received: 10/02/95
Extracted: 10/04/95
Analyzed: 10/04/95
Reported: 10/06/95

Batch Number: GC100495BTEXEXA
trument ID: GCHP01

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

nalyte	Detection Limit mg/Kg	Sample Results mg/Kg
PPH as Gas	1.0	N.D.
enzene	0.0050	N.D.
oluene	0.0050	N.D.
thyl Benzene	0.0050	N.D.
ylenes (Total)	0.0050	N.D.
hromatogram Pattern:		

urrogates	Control Limits %		% Recovery
rifluorotoluene	70	130	97

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

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Pacific Environmental Group	Client Proj. ID: 286-001.4A/Alameda	Sampled: 09/29/95
2025 Gateway Place, Suite 440	Sample Descript: INV-6	Received: 10/02/95
San Jose, CA 95110	Matrix: SOLID	Extracted: 10/04/95
	Analysis Method: 8015Mod/8020	Analyzed: 10/05/95
Attention: Maree Doden	Lab Number: 9510104-11	Reported: 10/06/95

QC Batch Number: GC100495BTEXEXA
Instrument ID: GCHP01

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.
Chromatogram Pattern:		

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*

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'acific Environmental Group
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ttention: Maree Doden

Client Proj. ID: 286-001.4A/Alameda
Sample Descript: PL-1
Matrix: SOLID
Analysis Method: 8015Mod/8020
Lab Number: 9509G97-01

Sampled: 09/27/95
Received: 09/27/95
Extracted: 09/27/95
Analyzed: 09/27/95
Reported: 09/28/95

Batch Number: GC092795BTEXEXC
strument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

nalyte	Detection Limit mg/Kg	Sample Results mg/Kg
PPH as Gas	1.0	N.D.
enzene	0.0050	N.D.
oluene	0.0050	N.D.
thyl Benzene	0.0050	N.D.
ylenes (Total)	0.0050	N.D.
hromatogram Pattern:		

urrogates	Control Limits %		% Recovery
rifluorotoluene	70	130	89

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

EQUOIA ANALYTICAL - ELAP #1210

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)25 Gateway Place, Suite 440
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ttention: Maree Doden

Client Proj. ID: 286-001.4A/Alameda
Sample Descript: W-1
Matrix: SOLID
Analysis Method: 8015Mod/8020
Lab Number: 9509C55-01

Sampled: 09/19/95
Received: 09/19/95
Extracted: 09/22/95
Analyzed: 09/22/95
Reported: 09/25/95

: Batch Number: GC092295BTEXEXA
trument ID: GCHP06

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

nalyte	Detection Limit mg/Kg	Sample Results mg/Kg
PPH as Gas	**250**	**110**
enzene	1.2	N.D.
oluene	**1.2**	**4.1**
thyl Benzene	**1.2**	**7.7**
ylenes (Total)	**1.2**	**33**
.hromatogram Pattern:		**Gas**

urrogates	Control Limits %		% Recovery
rifluorotoluene	70	130	101

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

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ttention: Maree Doden

Client Proj. ID: 286-001.4A/Alameda

Lab Proj. ID: 9509C55

Sampled: 09/19/95
Received: 09/19/95
Analyzed: see below

Reported: 09/25/95

LABORATORY ANALYSIS

nalyte	Units	Date Analyzed	Detection Limit	Sample Results
ab No: 9509C55-01 ample Desc : **SOLID,W-1**				
Lead	**mg/Kg**	**09/23/95**	**5.0**	**6.7**
ab No: 9509C55-02 ample Desc : **SOLID,W-2**				
Lead	**mg/Kg**	**09/23/95**	**5.0**	**8.7**

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

EQUOIA ANALYTICAL - ELAP #1210

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ttention: Maree Doden

Client Proj. ID: 286-001.4A/Alameda
Sample Descript: W-2
Matrix: SOLID
Analysis Method: 8015Mod/8020
Lab Number: 9509C55-02

Sampled: 09/19/95
Received: 09/19/95
Extracted: 09/22/95
Analyzed: 09/22/95
Reported: 09/25/95

C Batch Number: GC092295BTEXEXA
strument ID: GCHP06

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	250	3500
Benzene	1.2	N.D.
Toluene	1.2	4.1
Ethyl Benzene	1.2	35
Xylenes (Total)	1.2	170
Chromatogram Pattern:		Gas

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	159 Q

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

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Attention: Maree Doden

Client Proj. ID: 286-001.4A/Alameda
Sample Descript: SW-1
Matrix: SOLID
Analysis Method: 8015Mod/8020
Lab Number: 9509E53-03

Sampled: 09/22/95
Received: 09/22/95
Extracted: 09/25/95
Analyzed: 09/25/95
Reported: 09/26/95

C Batch Number: GC092595BTEXEXA
strument ID: GCHP-7

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/KG	Sample Results mg/KG
TPPH as Gas	**1.0**	**4.3**
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	**0.0050**	**0.081**
Xylenes (Total)	**0.0050**	**0.32**
Chromatogram Pattern:		**GAS**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	112

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

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Pacific Environmental Group	Client Proj. ID: 286-001.4A/Alameda	Sampled: 09/27/95
2025 Gateway Place, Suite 440	Sample Descript: SW-2	Received: 09/27/95
San Jose, CA 95110	Matrix: SOLID	Extracted: 09/27/95
	Analysis Method: 8015Mod/8020	Analyzed: 09/27/95
Attention: Maree Doden	Lab Number: 9509G97-02	Reported: 09/28/95

QC Batch Number: GC092795BTEXEXC
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.
Chromatogram Pattern:		

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

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

Attention: Maree Doden

Client Proj. ID: 286-001.4A/Alameda
Sample Descript: SW-3
Matrix: SOLID
Analysis Method: 8015Mod/8020
Lab Number: 9509G97-03

Sampled: 09/27/95
Received: 09/27/95
Extracted: 09/27/95
Analyzed: 09/28/95
Reported: 09/28/95

QC Batch Number: GC092795BTEXEXC
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	**10**	**50**
Benzene	0.050	N.D.
Toluene	0.050	N.D.
Ethyl Benzene	**0.050**	**0.16**
Xylenes (Total)	**0.050**	**0.30**
Chromatogram Pattern:		
Gas & Unidentified HC		**C6-C12**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	130

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

SEQUOIA ANALYTICAL - ELAP #1210

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ttention: Maree Doden

Client Proj. ID: 286-001.4A/Alameda
Sample Descript: SW-4
Matrix: SOLID
Analysis Method: 8015Mod/8020
Lab Number: 9510104-01

Sampled: 09/29/95
Received: 10/02/95
Extracted: 10/04/95
Analyzed: 10/05/95
Reported: 10/06/95

Batch Number: GC100495BTEXEXA
strument ID: GCHP01

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
PPH as Gas	1.0	N.D.
enzene	0.0050	N.D.
oluene	0.0050	N.D.
thyl Benzene	0.0050	N.D.
ylenes (Total)	0.0050	N.D.
hromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
rifluorotoluene	70	130	87

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

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Pacific Environmental Group	Client Proj. ID: 286-001.4A/Alameda	Sampled: 09/29/95
2025 Gateway Place, Suite 440	Sample Descript: SW-5	Received: 10/02/95
San Jose, CA 95110	Matrix: SOLID	Extracted: 10/04/95
	Analysis Method: 8015Mod/8020	Analyzed: 10/04/95
Attention: Maree Doden	Lab Number: 9510104-02	Reported: 10/06/95

C Batch Number: GC100495BTEXEXA
strument 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.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	96

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

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Pacific Environmental Group	Client Proj. ID: 286-001.4A/Alameda	Sampled: 09/29/95
2025 Gateway Place, Suite 440	Sample Descript: SW-6	Received: 10/02/95
San Jose, CA 95110	Matrix: SOLID	Extracted: 10/04/95
	Analysis Method: 8015Mod/8020	Analyzed: 10/05/95
Attention: Maree Doden	Lab Number: 9510104-03	Reported: 10/06/95

QC Batch Number: GC100495BTEXEXA
Instrument ID: GCHP01

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**	**0.0074**
Chromatogram Pattern:		

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

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Attention: Maree Doden

Client Proj. ID: 286-001.4A/Alameda
Sample Descript: SW-7
Matrix: SOLID
Analysis Method: 8015Mod/8020
Lab Number: 9510104-04

Sampled: 09/29/95
Received: 10/02/95
Extracted: 10/04/95
Analyzed: 10/04/95
Reported: 10/06/95

C Batch Number: GC100495BTEXEXA
strument 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.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	87

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

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acific Environmental Group	Client Proj. ID: 286-001.4A/Alameda	Sampled: 09/29/95
025 Gateway Place, Suite 440	Sample Descript: SW-8	Received: 10/02/95
an Jose, CA 95110	Matrix: SOLID	Extracted: 10/04/95
	Analysis Method: 8015Mod/8020	Analyzed: 10/05/95
ttention: Maree Doden	Lab Number: 9510104-05	Reported: 10/06/95

Batch Number: GC100495BTEXEXA
strument ID: GCHP06

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

nalyte	Detection Limit mg/Kg	Sample Results mg/Kg
PPH as Gas	20	72
enzene	0.10	0.17
oluene	0.10	0.65
thyl Benzene	0.10	0.18
ylenes (Total)	0.10	0.41
hromatogram Pattern:		
as & Unidentified HC		+C7-C12

urrogates	Control Limits %		% Recovery
rifluorotoluene	70	130	95

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

EQUOIA ANALYTICAL - ELAP #1210

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ttention: Maree Doden

Client Proj. ID: 286-001.4A/Alameda
Sample Descript: SW-9
Matrix: SOLID
Analysis Method: 8015Mod/8020
Lab Number: 9510012-01

Sampled: 09/29/95
Received: 10/02/95
Extracted: 10/03/95
Analyzed: 10/03/95
Reported: 10/04/95

Batch Number: GC100395BTEXEXA
strument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

nalyte	Detection Limit mg/Kg	Sample Results mg/Kg
PPH as Gas	**300**	**1500**
enzene	1.5	N.D.
oluene	1.5	N.D.
thyl Benzene	**1.5**	**5.5**
ylenes (Total)	**1.5**	**15**
hromatogram Pattern:		
as & Unidentified HC		**C7-C12**

urrogates	Control Limits %		% Recovery
rifluorotoluene	70	130	123

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

EQUOIA ANALYTICAL - ELAP #1210

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acific Environmental Group	Client Proj. ID: 286-001.4A/Alameda	Sampled: 09/29/95
)25 Gateway Place, Suite 440	Sample Descript: SW-10	Received: 10/02/95
an Jose, CA 95110	Matrix: SOLID	Extracted: 10/04/95
	Analysis Method: 8015Mod/8020	Analyzed: 10/05/95
tention: Maree Doden	Lab Number: 9510104-06	Reported: 10/06/95

Batch Number: GC100495BTEXEXA
trument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

nalyte	Detection Limit mg/Kg	Sample Results mg/Kg
PPH as Gas	20	76
enzene	0.10	N.D.
oluene	0.10	N.D.
thyl Benzene	0.10	0.84
ylenes (Total)	0.10	4.6
hromatogram Pattern:		Gas

urrogates	Control Limits %		% Recovery
ifluorotoluene	70	130	100

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

EQUOIA ANALYTICAL - ELAP #1210

ıcie Fletcher
oject Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Pacific Environmental Group	Client Proj. ID: 286-001.4A/Alameda	Sampled: 09/29/95
2025 Gateway Place, Suite 440	Sample Descript: SW-11	Received: 10/02/95
San Jose, CA 95110	Matrix: SOLID	Extracted: 10/04/95
	Analysis Method: 8015Mod/8020	Analyzed: 10/05/95
Attention: Maree Doden	Lab Number: 9510104-07	Reported: 10/06/95

QC Batch Number: GC100495BTEXEXA
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	**2000**	**4500**
Benzene	10	N.D.
Toluene	10	N.D.
Ethyl Benzene	**10**	**35**
Xylenes (Total)	**10**	**60**
Chromatogram Pattern:		**Gas**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	95

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

SEQUOIA ANALYTICAL - ELAP #1210

B Fletcher

Brucie Fletcher
Project Manager

Sequoia Analytical

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

acific Environmental Group
025 Gateway Place, Suite 440
an Jose, CA 95110

ttention: Maree Doden

Client Proj. ID: 286-001.4A/Alameda
Sample Descript: SW-12
Matrix: SOLID
Analysis Method: 8015Mod/8020
Lab Number: 9510104-08

Sampled: 09/29/95
Received: 10/02/95
Extracted: 10/04/95
Analyzed: 10/05/95
Reported: 10/06/95

Batch Number: GC100495BTEXEXA
strument ID: GCHP06

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

nalyte	Detection Limit mg/Kg	Sample Results mg/Kg
PPH as Gas	**100**	**290**
enzene	0.50	N.D.
oluene	0.50	N.D.
thyl Benzene	**0.50**	**0.71**
ylenes (Total)	***0.50***	**2.1**
hromatogram Pattern:		**Gas**

urrogates	Control Limits %		% Recovery
rifluorotoluene	70	130	84

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

EQUOIA ANALYTICAL - ELAP #1210

ucie Fletcher
oject Manager

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

ıcific Environmental Group	Client Proj. ID: 286-001.4A/Alameda	Sampled: 09/29/95
)25 Gateway Place, Suite 440	Sample Descript: SW-13	Received: 10/02/95
ın Jose, CA 95110	Matrix: SOLID	Extracted: 10/04/95
	Analysis Method: 8015Mod/8020	Analyzed: 10/05/95
tention: Maree Doden	Lab Number: 9510104-09	Reported: 10/06/95

Batch Number: GC100495BTEXEXA
:rument ID: GCHP06

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

ıalyte	Detection Limit mg/Kg	Sample Results mg/Kg
PH as Gas	25	120
ənzene	0.12	N.D.
)luene	0.12	N.D.
thyl Benzene	0.12	.28
ylenes (Total)	0.12	0.90
hromatogram Pattern:		
nidentified HC		C7-C12

urrogates	Control Limits %		% Recovery
ifluorotoluene	70	130	82

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

EQUOIA ANALYTICAL - ELAP #1210

B Fletcher

ıcie Fletcher
)ject Manager

Sequoia Analytical

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

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

Attention: Maree Doden

Client Proj. ID: 286-001.4A/Alameda
Sample Descript: BT-1
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9509C51-01

Sampled: 09/18/95
Received: 09/19/95

Analyzed: 09/21/95
Reported: 09/22/95

C Batch Number: GC092195BTEX17A
ıstrument ID: GCHP17

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	**0.50**	**0.75**
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	76

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

EQUOIA ANALYTICAL - ELAP #1210

rucie Fletcher
roject Manager

Sequoia Analytical

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Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attention: Maree Doden

Client Project ID: 286-001.4A/Alameda
Matrix: SOLID
Work Order #: 9509G97 01-03

Reported: Sep 29, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC092795BTEXEXC	GC092795BTEXEXC	GC092795BTEXEXC	GC092795BTEXEXC
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	E. Cunanan	E. Cunanan	E. Cunanan	E. Cunanan
MS/MSD #:	950994008	950994008	950994008	950994008
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	9/27/95	9/27/95	9/27/95	9/27/95
Analyzed Date:	9/27/95	9/27/95	9/27/95	9/27/95
Instrument I.D.#:	GCHP18	GCHP18	GCHP18	GCHP18
Conc. Spiked:	0.20 mg/Kg	0.20 mg/Kg	0.20 mg/Kg	0.60 mg/Kg
Result:	0.15	0.16	0.16	0.49
MS % Recovery:	75	80	80	82
Dup. Result:	0.15	0.16	0.16	0.49
MSD % Recov.:	75	80	80	82
RPD:	0.0	0.0	0.0	0.0
RPD Limit:	0-50	0-50	0-50	0-50
LCS #:				
Prepared Date:				
Analyzed Date:				
Instrument I.D.#:				
Conc. Spiked:				
LCS Result:				
LCS % Recov.:				
MS/MSD LCS Control Limits	55-145	47-149	47-155	56-140

SEQUOIA ANALYTICAL

B Fletcher

Brucie Fletcher
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

Sequoia Analytical

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Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attention: Maree Doden

Client Project ID: 286-001.4A/Alameda
Matrix: SOLID
Work Order #: 9509745 01
Reported: Sep 18, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC091495BTEXEXA	GC091495BTEXEXA	GC091495BTEXEXA	GC091495BTEXEXA
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	G. Garcia	G. Garcia	G. Garcia	G. Garcia
MS/MSD #:	950914604	950914604	950914604	950914604
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	9/14/95	9/14/95	9/14/95	9/14/95
Analyzed Date:	9/14/95	9/14/95	9/14/95	9/14/95
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:	0.15	0.16	0.16	0.45
MS % Recovery:	75	80	80	75
Dup. Result:	0.16	0.16	0.16	0.48
MSD % Recov.:	80	80	80	80
RPD:	6.5	0.0	0.0	6.5
RPD Limit:	0-50	0-50	0-50	0-50
LCS #:				
Prepared Date:				
Analyzed Date:				
Instrument I.D.#:				
Conc. Spiked:				
LCS Result:				
LCS % Recov.:				
MS/MSD LCS Control Limits	55-145	47-149	47-155	56-140

SEQUOIA ANALYTICAL

B Fletcher

Brucie Fletcher
Project Manager

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Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attention: Maree Doden

Client Project ID: 286-001.4A/Alameda
Matrix: SOLID
Work Order #: 9509745 01

Reported: Sep 18, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Beryllium	Cadmium	Chromium	Nickel
QC Batch#:	ME0914956010MDE	ME0914956010MDE	ME0914956010MDE	ME0914956010MDE
Analy. Method:	EPA 6010	EPA 6010	EPA 6010	EPA 6010
Prep. Method:	EPA 3050	EPA 3050	EPA 3050	EPA 3050
Analyst:	S. O'Donnell	S. O'Donnell	S. O'Donnell	S. O'Donnell
MS/MSD #:	950953201	950953201	950953201	950953201
Sample Conc.:	N.D.	0.51	46	53
Prepared Date:	9/14/95	9/14/95	9/14/95	9/14/95
Analyzed Date:	9/14/95	9/14/95	9/14/95	9/14/95
Instrument I.D.#:	MTJA2	MTJA2	MTJA2	MTJA2
Conc. Spiked:	100 mg/Kg	100 mg/Kg	100 mg/Kg	100 mg/Kg
Result:	100	94	140	150
MS % Recovery:	100	93	94	97
Dup. Result:	100	94	140	150
MSD % Recov.:	100	93	94	97
RPD:	0.0	0.0	0.0	0.0
RPD Limit:	0-30	0-30	0-30	0-30
LCS #:				
Prepared Date:				
Analyzed Date:				
Instrument I.D.#:				
Conc. Spiked:				
LCS Result:				
LCS % Recov.:				
MS/MSD LCS Control Limits	75-125	75-125	75-125	75-125

SEQUOIA ANALYTICAL

B Fletcher

Brucie Fletcher
Project Manager

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Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attention: Maree Doden

Client Project ID: 286-001.4A/Alameda
Matrix: SOLID
Work Order #: 9509B00 01

Reported: Sep 22, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC092095BTEXEXA	GC092095BTEXEXA	GC092095BTEXEXA	GC092095BTEXEXA
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	G. Garcia	G. Garcia	G. Garcia	G. Garcia
MS/MSD #:	950965001	950965001	950965001	950965001
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	9/20/95	9/20/95	9/20/95	9/20/95
Analyzed Date:	9/20/95	9/20/95	9/20/95	9/20/95
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:	0.17	0.17	0.17	0.53
MS % Recovery:	85	85	85	88
Dup. Result:	0.17	0.17	0.17	0.53
MSD % Recov.:	85	85	85	88
RPD:	0.0	0.0	0.0	0.0
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:	
Prepared Date:	
Analyzed Date:	
Instrument I.D.#:	
Conc. Spiked:	
LCS Result:	
LCS % Recov.:	

MS/MSD LCS Control Limits					
	71-133	72-128	72-130	71-120	L
	55-145	47-149	47-155	56-140	S

SEQUOIA ANALYTICAL

Brucie Fletcher
Project Manager

Please Note:
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Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attention: Maree Doden

Client Project ID: 286-001.4A/Alameda
Matrix: SOLID
Work Order #: 9509B00 01

Reported: Sep 22, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Beryllium	Cadmium	Chromium	Nickel
QC Batch#:	ME0919956010MDE	ME0919956010MDE	ME0919956010MDE	ME0919956010MDE
Analy. Method:	EPA 6010	EPA 6010	EPA 6010	EPA 6010
Prep. Method:	EPA 3050	EPA 3050	EPA 3050	EPA 3050
Analyst:	S. O'Donnell	S. O'Donnell	S. O'Donnell	S. O'Donnell
MS/MSD #:	950996001	950996001	950996001	950996001
Sample Conc.:	N.D.	N.D.	28	27
Prepared Date:	9/19/95	9/19/95	9/19/95	9/19/95
Analyzed Date:	9/19/95	9/19/95	9/19/95	9/19/95
Instrument I.D.#:	MTJA2	MTJA2	MTJA2	MTJA2
Conc. Spiked:	50 mg/Kg	50 mg/Kg	50 mg/Kg	50 mg/Kg
Result:	49	49	76	74
MS % Recovery:	98	98	96	94
Dup. Result:	48	48	73	73
MSD % Recov.:	96	96	90	92
RPD:	2.1	2.1	4.0	1.4
RPD Limit:	0-30	0-30	0-30	0-30
LCS #:				
Prepared Date:				
Analyzed Date:				
Instrument I.D.#:				
Conc. Spiked:				
LCS Result:				
LCS % Recov.:				
MS/MSD LCS Control Limits	75-125	75-125	75-125	75-125

SEQUOIA ANALYTICAL

B Fletcher

Brucie Fletcher
Project Manager

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Sequoia Analytical

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

acific Environmental Group	Client Proj. ID: 286-001.4A/Alameda	Received: 09/20/95
25 Gateway Place, Suite 440		
an Jose, CA 95110	Lab Proj. ID: 9509C29	Reported: 09/22/95
tention: Maree Doden		

LABORATORY NARRATIVE

Please note:

Q: Co-elution confirmed.

EQUOIA ANALYTICAL

S Fletcher

icie Fletcher
oject Manager

Sequoia Analytical

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Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attention: Maree Doden

Client Project ID: 286-001.4A/Alameda
Matrix: SOLID
Work Order #: 9509C29 01

Reported: Sep 22, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Beryllium	Cadmium	Chromium	Nickel
QC Batch#:	ME0920956010MDG	ME0920956010MDG	ME0920956010MDG	ME0920956010MDG
Analy. Method:	EPA 6010	EPA 6010	EPA 6010	EPA 6010
Prep. Method:	EPA 3050	EPA 3050	EPA 3050	EPA 3050
Analyst:	C. Medefesser	C. Medefesser	C. Medefesser	C. Medefesser
MS/MSD #:	9509C2801	9509C2801	9509C2801	9509C2801
Sample Conc.:	N.D.	N.D.	41	50
Prepared Date:	9/20/95	9/20/95	9/20/95	9/20/95
Analyzed Date:	9/21/95	9/21/95	9/21/95	9/21/95
Instrument I.D.#:	MTJA2	MTJA2	MTJA2	MTJA2
Conc. Spiked:	100 mg/Kg	100 mg/Kg	100 mg/Kg	100 mg/Kg
Result:	100	100	150	150
MS % Recovery:	100	100	109	100
Dup. Result:	96	95	140	140
MSD % Recov.:	96	95	99	90
RPD:	4.1	5.1	6.9	6.9
RPD Limit:	0-30	0-30	0-30	0-30
LCS #:	BLK092095	BLK092095	BLK092095	BLK092095
Prepared Date:	9/20/95	9/20/95	9/20/95	9/20/95
Analyzed Date:	9/21/95	9/21/95	9/21/95	9/21/95
Instrument I.D.#:	MTJA2	MTJA2	MTJA2	MTJA2
Conc. Spiked:	100 mg/Kg	100 mg/Kg	100 mg/Kg	100 mg/Kg
LCS Result:	100	100	100	100
LCS % Recov.:	100	100	100	100
MS/MSD LCS Control Limits	75-125	75-125	75-125	75-125

SEQUOIA ANALYTICAL

B Fletcher

Brucie Fletcher
Project Manager

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Sequoia Analytical

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Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attention: Maree Doden

Client Project ID: 286-001.4A/Alameda
Matrix: SOLID
Work Order #: 9509C29 01

Reported: Sep 22, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC092195BTEXEXA	GC092195BTEXEXA	GC092195BTEXEXA	GC092195BTEXEXA
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	G. Garcia	G. Garcia	G. Garcia	G. Garcia
MS/MSD #:	950931201	950931201	950931201	950931201
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	9/21/95	9/21/95	9/21/95	9/21/95
Analyzed Date:	9/21/95	9/21/95	9/21/95	9/21/95
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	0.18	0.18	0.54
MS % Recovery:	90	90	90	90
Dup. Result:	0.18	0.18	0.18	0.56
MSD % Recov.:	90	90	90	93
RPD:	0.0	0.0	0.0	3.6
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:				
Prepared Date:				
Analyzed Date:				
Instrument I.D.#:				
Conc. Spiked:				
LCS Result:				
LCS % Recov.:				

MS/MSD LCS Control Limits	55-145	47-149	47-155	56-140

SEQUOIA ANALYTICAL

B Fletcher

Brucie Fletcher
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.

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Sequoia Analytical

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Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attention: Maree Doden

Client Project ID: 286-001.4A/Alameda
Matrix: SOLID
Work Order #: 9509D05 01
Reported: Sep 22, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Beryllium	Cadmium	Chromium	Nickel
QC Batch#:	ME0921956010MDE	ME0921956010MDE	ME0921956010MDE	ME0921956010MDE
Analy. Method:	EPA 6010	EPA 6010	EPA 6010	EPA 6010
Prep. Method:	EPA 3050	EPA 3050	EPA 3050	EPA 3050
Analyst:	S. O'Donnell	S. O'Donnell	S. O'Donnell	S. O'Donnell
MS/MSD #:	9509B6742	9509B6742	9509B6742	9509B6742
Sample Conc.:	0.51	N.D.	28	31
Prepared Date:	9/21/95	9/21/95	9/21/95	9/21/95
Analyzed Date:	9/21/95	9/21/95	9/21/95	9/21/95
Instrument I.D.#:	MTJA2	MTJA2	MTJA2	MTJA2
Conc. Spiked:	100 mg/Kg	100 mg/Kg	100 mg/Kg	100 mg/Kg
Result:	97	95	120	120
MS % Recovery:	96	93	92	89
Dup. Result:	95	93	120	120
MSD % Recov.:	94	93	92	89
RPD:	2.1	2.1	0.0	0.0
RPD Limit:	0-30	0-30	0-30	0-30
LCS #:	BLK092195	BLK092195	BLK092195	BLK092195
Prepared Date:	9/21/95	9/21/95	9/21/95	9/21/95
Analyzed Date:	9/21/95	9/21/95	9/21/95	9/21/95
Instrument I.D.#:	MTJA2	MTJA2	MTJA2	MTJA2
Conc. Spiked:	100 mg/Kg	100 mg/Kg	100 mg/Kg	100 mg/Kg
LCS Result:	100	100	100	100
LCS % Recov.:	100	100	100	100
MS/MSD LCS Control Limits	75-125	75-125	75-125	75-125

SEQUOIA ANALYTICAL

B Fletcher

Brucie Fletcher
Project Manager

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Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attention: Maree Doden

Client Project ID: 286-001.4A/Alameda
Matrix: SOLID
Work Order #: 9509D05 01

Reported: Sep 22, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC092195BTEXEXE	GC092195BTEXEXE	GC092195BTEXEXE	GC092195BTEXEXE
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	E. Cunanan	E. Cunanan	E. Cunanan	E. Cunanan
MS/MSD #:	950963003	950963003	950963003	950963003
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	9/21/95	9/21/95	9/21/95	9/21/95
Analyzed Date:	9/21/95	9/21/95	9/21/95	9/21/95
Instrument I.D.#:	GCHP18	GCHP18	GCHP18	GCHP18
Conc. Spiked:	0.20 mg/Kg	0.20 mg/Kg	0.20 mg/Kg	0.60 mg/Kg
Result:	0.16	0.17	0.17	0.51
MS % Recovery:	80	85	85	85
Dup. Result:	0.16	0.17	0.17	0.51
MSD % Recov.:	80	85	85	85
RPD:	0.0	0.0	0.0	0.0
RPD Limit:	0-50	0-50	0-50	0-50
LCS #:				
Prepared Date:				
Analyzed Date:				
Instrument I.D.#:				
Conc. Spiked:				
LCS Result:				
LCS % Recov.:				
MS/MSD LCS Control Limits	55-145	47-149	47-155	56-140

SEQUOIA ANALYTICAL

B Fletcher

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Project Manager

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Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attention: Maree Doden

Client Project ID: 286-001.4A/Alameda
Matrix: LIQUID
Work Order #: 9509D35 01, 02

Reported: Sep 25, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Beryllium	Cadmium	Chromium	Nickel
QC Batch#:	ME0922956010MDA	ME0922956010MDA	ME0922956010MDA	ME0922956010MDA
Analy. Method:	EPA 6010	EPA 6010	EPA 6010	EPA 6010
Prep. Method:	EPA 3010	EPA 3010	EPA 3010	EPA 3010
Analyst:	S. O'Donnell	S. O'Donnell	S. O'Donnell	S. O'Donnell
MS/MSD #:	9509C5812	9509C5812	9509C5812	9509C5812
Sample Conc.:	N.D.	3.2	550	47
Prepared Date:	9/22/95	9/22/95	9/22/95	9/22/95
Analyzed Date:	9/22/95	9/22/95	9/22/95	9/22/95
Instrument I.D.#:	MTJA2	MTJA2	MTJA2	MTJA2
Conc. Spiked:	1.0 mg/L	1.0 mg/L	1.0 mg/L	1.0 mg/L
Result:	94	94	700	140
MS % Recovery:	94	91	150	93
Dup. Result:	98	96	640	140
MSD % Recov.:	98	93	90	93
RPD:	4.2	2.1	9.0	0.0
RPD Limit:	0-30	0-30	0-30	0-30
LCS #:	BLK092295	BLK092295	BLK092295	BLK092295
Prepared Date:	9/22/95	9/22/95	9/22/95	9/22/95
Analyzed Date:	9/22/95	9/22/95	9/22/95	9/22/95
Instrument I.D.#:	MTJA2	MTJA2	MTJA2	MTJA2
Conc. Spiked:	1.0 mg/L	1.0 mg/L	1.0 mg/L	1.0 mg/L
LCS Result:	100	100	100	100
LCS % Recov.:	100	100	100	100
MS/MSD LCS Control Limits	75-125	75-125	75-125	75-125

SEQUOIA ANALYTICAL

B Fletcher

Brucie Fletcher
Project Manager

Please Note:
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Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attention: Maree Doden

Client Project ID: 286-001.4A/Alameda
Matrix: SOLID
Work Order #: 9509D35 01, 02

Reported: Sep 25, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC092295BTEXEXA	GC092295BTEXEXA	GC092295BTEXEXA	GC092295BTEXEXA
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	G. Garcia	G. Garcia	G. Garcia	G. Garcia
MS/MSD #:	950965003	950965003	950965003	950965003
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	9/22/95	9/22/95	9/22/95	9/22/95
Analyzed Date:	9/22/95	9/22/95	9/22/95	9/22/95
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:	0.16	0.17	0.17	0.50
MS % Recovery:	80	85	85	83
Dup. Result:	0.16	0.16	0.16	0.48
MSD % Recov.:	80	80	80	80
RPD:	0.0	6.1	6.1	4.1
RPD Limit:	0-50	0-50	0-50	0-50
LCS #:				
Prepared Date:				
Analyzed Date:				
Instrument I.D.#:				
Conc. Spiked:				
LCS Result:				
LCS % Recov.:				
MS/MSD LCS Control Limits	55-145	47-149	47-155	56-140

SEQUOIA ANALYTICAL

B Fletcher

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Project Manager

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Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attention: Maree Doden

Client Project ID: 286-001.4A/Alameda
Matrix: SOLID
Work Order #: 9509E53 01, 02

Reported: Sep 27, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Beryllium	Cadmium	Chromium	Nickel
QC Batch#:	ME0925956010MDE	ME0925956010MDE	ME0925956010MDE	ME0925956010MDE
Analy. Method:	EPA 6010	EPA 6010	EPA 6010	EPA 6010
Prep. Method:	EPA 3050	EPA 3050	EPA 3050	EPA 3050
Analyst:	S. O'Donnell	S. O'Donnell	S. O'Donnell	S. O'Donnell
MS/MSD #:	9509E3902	9509E3902	9509E3902	9509E3902
Sample Conc.:	1.0	N.D.	55	79
Prepared Date:	9/25/95	9/25/95	9/25/95	9/25/95
Analyzed Date:	9/25/95	9/25/95	9/25/95	9/25/95
Instrument I.D.#:	MTJA2	MTJA2	MTJA2	MTJA2
Conc. Spiked:	100 mg/Kg	100 mg/Kg	100 mg/Kg	100 mg/Kg
Result:	100	94	150	180
MS % Recovery:	99	94	95	101
Dup. Result:	100	91	150	170
MSD % Recov.:	99	91	95	91
RPD:	0.0	3.2	0.0	5.7
RPD Limit:	0-30	0-30	0-30	0-30
LCS #:	BLK092595	BLK092595	BLK092595	BLK092595
Prepared Date:	9/25/95	9/25/95	9/25/95	9/25/95
Analyzed Date:	9/25/95	9/25/95	9/25/95	9/25/95
Instrument I.D.#:	MTJA2	MTJA2	MTJA2	MTJA2
Conc. Spiked:	100 mg/Kg	100 mg/Kg	100 mg/Kg	100 mg/Kg
LCS Result:	110	100	110	110
LCS % Recov.:	110	100	110	110
MS/MSD LCS Control Limits	75-125	75-125	75-125	75-125

SEQUOIA ANALYTICAL

B Fletcher

Brucie Fletcher
Project Manager

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Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attention: Maree Doden

Client Project ID: 286-001.4A/Alameda
Matrix: SOLID
Work Order #: 9509E53 01-04

Reported: Sep 27, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC092595BTEXEXA	GC092595BTEXEXA	GC092595BTEXEXA	GC092595BTEXEXA
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	R. Geckler	R. Geckler	R. Geckler	R. Geckler
MS/MSD #:	9509C4103	9509C4103	9509C4103	9509C4103
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	9/25/95	9/25/95	9/25/95	9/25/95
Analyzed Date:	9/25/95	9/25/95	9/25/95	9/25/95
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	0.18	0.18	0.56
MS % Recovery:	90	90	90	93
Dup. Result:	0.18	0.18	0.18	0.56
MSD % Recov.:	90	90	90	93
RPD:	0.0	0.0	0.0	0.0
RPD Limit:	0-50	0-50	0-50	0-50
LCS #:				
Prepared Date:				
Analyzed Date:				
Instrument I.D.#:				
Conc. Spiked:				
LCS Result:				
LCS % Recov.:				
MS/MSD LCS Control Limits	55-145	47-149	47-155	56-140

SEQUOIA ANALYTICAL

B Fletcher

Brucie Fletcher
Project Manager

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Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attention: Maree Doden

Client Project ID: 286-001.4A/Alameda
Matrix: SOLID
Work Order #: 9509D54 01-03

Reported: Sep 28, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC092595BTEXEXB	GC092595BTEXEXB	GC092595BTEXEXB	GC092595BTEXEXB
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	R. Geckler	R. Geckler	R. Geckler	R. Geckler
MS/MSD #:	9509C4118	9509C4118	9509C4118	9509C4118
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	9/25/95	9/25/95	9/25/95	9/25/95
Analyzed Date:	9/25/95	9/25/95	9/25/95	9/25/95
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	0.18	0.18	0.56
MS % Recovery:	90	90	90	93
Dup. Result:	0.18	0.18	0.18	0.55
MSD % Recov.:	90	90	90	92
RPD:	0.0	0.0	0.0	1.8
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:				
Prepared Date:				
Analyzed Date:				
Instrument I.D.#:				
Conc. Spiked:				
LCS Result:				
LCS % Recov.:				

MS/MSD LCS Control Limits	55-145	47-149	47-155	56-140

SEQUOIA ANALYTICAL

B Fletcher

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Project Manager

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Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attention: Maree Doden

Client Proj. ID: 286-001.4A/Alameda
Lab Proj. ID: 9509C55

Received: 09/19/95
Reported: 09/25/95

LABORATORY NARRATIVE

Please note:

Q: Co-elution confirmed.

SEQUOIA ANALYTICAL

B Fletcher

Brucie Fletcher
Project Manager

Sequoia Analytical

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Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attention: Maree Doden

Client Project ID: 286.001.4A/Alameda
Matrix: LIQUID
Work Order #: 9509C55 01, 02

Reported: Sep 26, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Beryllium	Cadmium	Chromium	Nickel
QC Batch#:	ME0922956010MDA	ME0922956010MDA	ME0922956010MDA	ME0922956010MDA
Analy. Method:	EPA 6010	EPA 6010	EPA 6010	EPA 6010
Prep. Method:	EPA 3010	EPA 3010	EPA 3010	EPA 3010
Analyst:	S. O'Donnell	S. O'Donnell	S. O'Donnell	S. O'Donnell
MS/MSD #:	9509C5812	9509C5812	9509C5812	9509C5812
Sample Conc.:	N.D.	3.2	550	47
Prepared Date:	9/22/95	9/22/95	9/22/95	9/22/95
Analyzed Date:	9/22/95	9/22/95	9/22/95	9/22/95
Instrument I.D.#:	MTJA2	MTJA2	MTJA2	MTJA2
Conc. Spiked:	1.0 mg/L	1.0 mg/L	1.0 mg/L	1.0 mg/L
Result:	94	94	700	140
MS % Recovery:	94	91	150	93
Dup. Result:	98	96	640	140
MSD % Recov.:	98	93	90	93
RPD:	4.2	2.1	9.0	0.0
RPD Limit:	0-30	0-30	0-30	0-30
LCS #:	BLK092295	BLK092295	BLK092295	BLK092295
Prepared Date:	9/22/95	9/22/95	9/22/95	9/22/95
Analyzed Date:	9/22/95	9/22/95	9/22/95	9/22/95
Instrument I.D.#:	MTJA2	MTJA2	MTJA2	MTJA2
Conc. Spiked:	1.0 mg/L	1.0 mg/L	1.0 mg/L	1.0 mg/L
LCS Result:	100	100	100	100
LCS % Recov.:	100	100	100	100
MS/MSD LCS Control Limits	75-125	75-125	75-125	75-125

SEQUOIA ANALYTICAL

B Fletcher

Brucie Fletcher
Project Manager

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Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attention: Maree Doden

Client Project ID: 286.001.4A/Alameda
Matrix: SOLID
Work Order #: 9509C55 01, 02

Reported: Sep 26, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC092295BTEXEXA	GC092295BTEXEXA	GC092295BTEXEXA	GC092295BTEXEXA
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	G. Garcia	G. Garcia	G. Garcia	G. Garcia
MS/MSD #:	950965003	950965003	950965003	950965003
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	9/22/95	9/22/95	9/22/95	9/22/95
Analyzed Date:	9/22/95	9/22/95	9/22/95	9/22/95
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:	0.16	0.17	0.17	0.50
MS % Recovery:	80	85	85	83
Dup. Result:	0.16	0.16	0.16	0.48
MSD % Recov.:	80	80	80	80
RPD:	0.0	6.1	6.1	4.1
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:				
Prepared Date:				
Analyzed Date:				
Instrument I.D.#:				
Conc. Spiked:				
LCS Result:				
LCS % Recov.:				

MS/MSD LCS Control Limits	55-145	47-149	47-155	56-140

SEQUOIA ANALYTICAL

B Fletcher

Brucie Fletcher
Project Manager

Please Note:
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Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attention: Maree Doden

Client Project ID: 286-001.4A/Alameda
Matrix: SOLID
Work Order #: 9510104 01-11

Reported: Oct 9, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC100495BTEXEXA	GC100495BTEXEXA	GC100495BTEXEXA	GC100495BTEXEXA
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	G. Garcia	G. Garcia	G. Garcia	G. Garcia
MS/MSD #:	9509F1910	9509F1910	9509F1910	9509F1910
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	10/4/95	10/4/95	10/4/95	10/4/95
Analyzed Date:	10/4/95	10/4/95	10/4/95	10/4/95
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	0.18	0.55
MS % Recovery:	90	95	90	92
Dup. Result:	0.14	0.15	0.15	0.45
MSD % Recov.:	70	75	75	75
RPD:	25	24	18	20
RPD Limit:	0-50	0-50	0-50	0-50
LCS #:				
Prepared Date:				
Analyzed Date:				
Instrument I.D.#:				
Conc. Spiked:				
LCS Result:				
LCS % Recov.:				
MS/MSD LCS Control Limits	55-145	47-149	47-155	56-140

SEQUOIA ANALYTICAL

B Fletcher

Brucie Fletcher
Project Manager

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Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attention: Maree Doden

Client Project ID: 286-001.4A/Alameda
Matrix: SOLID
Work Order #: 9510012 01

Reported: Oct 6, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC100395BTEXEXA	GC100395BTEXEXA	GC100395BTEXEXA	GC100395BTEXEXA
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	G. Garcia	G. Garcia	G. Garcia	G. Garcia
MS/MSD #:	9509F1904	9509F1904	9509F1904	9509F1904
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	10/3/95	10/3/95	10/3/95	10/3/95
Analyzed Date:	10/3/95	10/3/95	10/3/95	10/3/95
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:	0.17	0.17	0.17	0.53
MS % Recovery:	85	85	85	88
Dup. Result:	0.18	0.18	0.18	0.55
MSD % Recov.:	90	90	90	92
RPD:	5.7	5.7	5.7	3.7
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:				
Prepared Date:				
Analyzed Date:				
Instrument I.D.#:				
Conc. Spiked:				
LCS Result:				
LCS % Recov.:				

MS/MSD LCS Control Limits	55-145	47-149	47-155	56-140

SEQUOIA ANALYTICAL

B Fletcher

Brucie Fletcher
Project Manager

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Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attention: Maree Doden

Client Project ID: 286-001.4A/Alameda
Matrix: LIQUID
Work Order #: 9509470 01

Reported: Sep 18, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Beryllium	Cadmium	Chromium	Nickel
QC Batch#:	ME0912956010MDA	ME0912956010MDA	ME0912956010MDA	ME0912956010MDA
Analy. Method:	EPA 6010	EPA 6010	EPA 6010	EPA 6010
Prep. Method:	EPA 3010	EPA 3010	EPA 3010	EPA 3010
Analyst:	S. O'Donnell	S. O'Donnell	S. O'Donnell	S. O'Donnell
MS/MSD #:	950947207	950947207	950947207	950947207
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	9/12/95	9/12/95	9/12/95	9/12/95
Analyzed Date:	9/12/95	9/12/95	9/12/95	9/12/95
Instrument I.D.#:	MTJA2	MTJA2	MTJA2	MTJA2
Conc. Spiked:	1000 µg/L	1000 µg/L	1000 µg/L	1000 µg/L
Result:	1000	960	980	990
MS % Recovery:	100	96	98	99
Dup. Result:	1000	970	990	990
MSD % Recov.:	100	97	99	99
RPD:	0.0	1.0	1.0	0.0
RPD Limit:	0-30	0-30	0-30	0-30

LCS #:	
Prepared Date:	
Analyzed Date:	
Instrument I.D.#:	
Conc. Spiked:	
LCS Result:	
LCS % Recov.:	

MS/MSD LCS Control Limits	75-125	75-125	75-125	75-125

SEQUOIA ANALYTICAL

B Fletcher

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Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attention: Maree Doden

Client Project ID: 286-001.4A/Alameda
Matrix: LIQUID
Work Order #: 9509470 01

Reported: Sep 18, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Mercury	Arsenic	Selenium	Antimony
QC Batch#:	ME0912957470M4C	ME0912957000MDA	ME0912957000MDA	ME0912957000MDA
Analy. Method:	EPA 7470	EPA 206.2	EPA 270.2	EPA 204.2
Prep. Method:	EPA 7470	EPA 3020	EPA 3020	EPA 3020
Analyst:	T. Hua	J. Jencks	R, Butler	R. Butler
MS/MSD #:	950947404	950947001	950947001	950947001
Sample Conc.:	N.D.	N.D.	N.D.	0.0080
Prepared Date:	9/12/95	9/12/95	9/12/95	9/12/95
Analyzed Date:	9/12/95	9/12/95	9/14/95	9/14/95
Instrument I.D.#:	MPE4	MTJA1	MTJA3	MTJA3
Conc. Spiked:	0.0040 mg/L	0.050 mg/L	0.050 mg/L	0.050 mg/L
Result:	0.0039	0.049	0.047	0.079
MS % Recovery:	98	98	94	14
Dup. Result:	0.0039	0.045	0.044	0.069
MSD % Recov.:	98	90	88	122
RPD:	0.0	8.5	6.6	14
RPD Limit:	0-30	0-30	0-30	0-30

LCS #:				
Prepared Date:				
Analyzed Date:				
Instrument I.D.#:				
Conc. Spiked:				
LCS Result:				
LCS % Recov.:				

MS/MSD LCS Control Limits	75-125	75-125	75-125	75-125

SEQUOIA ANALYTICAL

B Fletcher

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Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attention: Maree Doden

Client Project ID: 286-001.4A/Alameda
Matrix: LIQUID
Work Order #: 9509470 01

Reported: Sep 18, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Thallium	Lead	Nickel
QC Batch#:	ME0912957470M4C	ME0912957000MDA	ME0912957000MDA
Analy. Method:	EPA 279.2	EPA 239.2	EPA 249.2
Prep. Method:	EPA 3020	EPA 3020	EPA 3020
Analyst:	R. Butler	W. Thant	W. Thant
MS/MSD #:	950947404	950947001	950947001
Sample Conc.:	N.D.	N.D.	0.013
Prepared Date:	9/12/95	9/12/95	9/12/95
Analyzed Date:	9/13/95	9/12/95	9/12/95
Instrument I.D.#:	MPE3	MTJA1	MTJA1
Conc. Spiked:	0.0040 mg/L	0.050 mg/L	0.050 mg/L
Result:	0.051	0.040	0.062
MS % Recovery:	102	80	124
Dup. Result:	0.052	0.042	0.062
MSD % Recov.:	104	82	124
RPD:	1.9	2.5	0.0
RPD Limit:	0-30	0-30	0-30

LCS #:			
Prepared Date:			
Analyzed Date:			
Instrument I.D.#:			
Conc. Spiked:			
LCS Result:			
LCS % Recov.:			

MS/MSD LCS Control Limits	75-125	75-125	75-125

SEQUOIA ANALYTICAL

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Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attention: Maree Doden

Client Project ID: 286-001.4A/Alameda
Matrix: LIQUID
Work Order #: 9509744 01

Reported: Sep 18, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC091495BTEX03A	GC091495BTEX03A	GC091495BTEX03A	GC091495BTEX03A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPa 5030	EPa 5030	EPa 5030	EPa 5030
Analyst:	J. Minkel	J. Minkel	J. Minkel	J. Minkel
MS/MSD #:	9508M7703	9508M7703	9508M7703	9508M7703
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	9/13/95	9/13/95	9/13/95	9/13/95
Analyzed Date:	9/13/95	9/13/95	9/13/95	9/13/95
Instrument I.D.#:	GCHP3	GCHP3	GCHP3	GCHP3
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	11	11	11	33
MS % Recovery:	110	110	110	110
Dup. Result:	11	11	11	33
MSD % Recov.:	110	110	110	110
RPD:	0.0	0.0	0.0	0.0
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:				
Prepared Date:				
Analyzed Date:				
Instrument I.D.#:				
Conc. Spiked:				
LCS Result:				
LCS % Recov.:				

MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL

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SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

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

WORKORDER: 9504744
DATE OF LOG-IN: 9/14/95

CIRCLE THE APPROPRIATE RESPONSE

1. Custody Seal(s) Present / ~~Absent~~
   Intact / Broken*
2. Custody Seal Nos.: Put in Remarks Section
3. Chain-of-Custody Records: ~~Present~~ / Absent*
4. Traffic Reports or Packing List: Present / ~~Absent~~
5. Airbill: Airbill / Sticker
   Present / ~~Absent~~
6. Airbill No.:
7. Sample Tags: ~~Present~~ / Absent*
   Sample Tag Nos.: ~~Listed~~ / Not Listed on Chain-of-Custody
8. Sample Condition: ~~Intact~~ / Broken* / Leaking*
9. Does information on custody reports, traffic reports and sample tags agree? ~~Yes~~ / No*
10. Proper preservatives used: ~~Yes~~ / No*
11. Date Rec. at Lab: 9-14-95
12. Temp. Rec. at Lab: 13°
13. Time Rec. at Lab: 1156

LAB SAMPLE #	DASH #	CLIENT IDENTIFICATION	CONTAINER DESCRIPTION	SAMPLE MATRIX	DATE SAMP.	REMARKS: CONDITION(ETC.)
1	a	EFFL	3 VOAs	Li	9-13-95	

9-14-95 JB

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

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. 286-001.4A

Facility No.

Facility Address: 1726 Park St., Alameda

Billing Refence Number: 30118

CLIENT engineer: MARVIN KATZ

PACIFIC Point of Contact: MIKE D.

Sampler: MARK GIBSON

Laboratory Name: SEQUOIA

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 Dissvd. Metals	VOC (EPA 624/ 8240)	SVOC (EPA 627/ 8270)	HVOC (EPA 601/ 8010)	Comments:
EFFL	3	40	HCL	W	G	9/13/95	1500	X							9509744

SEP 11 95

Condition of Sample:

Temperature Received:

	Date	Time		Date	Time
Relinquished by	9/13/95	1505	Received by	9/14/95	0800
Relinquished by	9/14/95	11:00	Received by	9/14/95	11:00
Relinquished by SK	9-14-95	11:45	Received by		
Relinquished by	Date	Time	Received by laboratory	9-14-95	1150

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 ☐

Sequoia Analytical

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Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attention: Maree Doden

Client Project ID: 286-001.4A/Alameda
Matrix: LIQUID
Work Order #: 9509C51 01

Reported: Sep 27, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC092195BTEX17A	GC092195BTEX17A	GC092195BTEX17A	GC092195BTEX17A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	J. Minkel	J. Minkel	J. Minkel	J. Minkel
MS/MSD #:	950977403	950977403	950977403	950977403
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	9/21/95	9/21/95	9/21/95	9/21/95
Analyzed Date:	9/21/95	9/21/95	9/21/95	9/21/95
Instrument I.D.#:	GCHP17	GCHP17	GCHP17	GCHP17
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	9.5	9.6	9.2	27
MS % Recovery:	95	96	92	90
Dup. Result:	10	10	10	30
MSD % Recov.:	100	100	100	100
RPD:	5.1	4.1	8.3	11
RPD Limit:	0-50	0-50	0-50	0-50
LCS #:				
Prepared Date:				
Analyzed Date:				
Instrument I.D.#:				
Conc. Spiked:				
LCS Result:				
LCS % Recov.:				
MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL

B Fletcher

Brucie Fletcher
Project Manager

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SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: PEG
REC. BY (PRINT): M.Y.

WORKORDER: 9509C51
DATE OF LOG-IN: 9/20/95

CIRCLE THE APPROPRIATE RESPONSE

1. Custody Seal(s) Present / (Absent)
   Intact / Broken*
2. Custody Seal Nos.: Put in Remarks Section
3. Chain-of-Custody Records: (Present) / Absent*
4. Traffic Reports or Packing List: Present / (Absent)
5. Airbill: Airbill / Sticker Present / (Absent)
6. Airbill No.:
7. Sample Tags: (Present) / Absent*
   Sample Tag Nos.: (Listed) / Not Listed on Chain-of-Custody
8. Sample Condition: (Intact) / Broken* / Leaking*
9. Does information on custody reports, traffic reports and sample tags agree? (Yes) / No*
10. Proper preservatives used: (Yes) / No*
11. Date Rec. at Lab: 9/19/95
12. Temp. Rec. at Lab: 14C
13. Time Rec. at Lab: 1257

LAB SAMPLE #	DASH #	CLIENT IDENTIFICATION	CONTAINER DESCRIPTION	SAMPLE MATRIX	DATE SAMP.	REMARKS: CONDITION(ETC.)
1	A-C	BT-1	VOA (3)	L	9/18/95	

9/19/95

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

Chain of Custody

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

PROJECT No. 786-001.4A

Facility No.	Facility Address: 1726 Park St. Alameda		Billing Refence Number: P.O. 30123
CLIENT engineer: Estate of John Henry	PACIFIC Point of Contact: M. Aredoden	Sampler: Pedro Ruiz	Laboratory Name: Sequoia

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:
BT-1		40ml	HCL	W	G	9-18-95	15:00	X										9509C51

Condition of Sample:

Temperature Received:

Relinquished by	Date	Time	Received by	Date	Time
[signature]	9-18-95	16:00	M Doden	9/18/95	1600
[signature]	9/19/95		Ralf Bariello	9/19/95	11:20
Ralf Bariello	9/19/95	12:57			
			Received by laboratory [signature]	9/19/95	1257

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)
- [X] Expedited (5 days)
- [ ] Standard (10 days)
- [ ] As Contracted

SEP 2 12 5

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

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

WORKORDER: 9509697
DATE OF LOG-IN: 9/27/95

CIRCLE THE APPROPRIATE RESPONSE

1. Custody Seal(s): Present / (Absent)
   Intact / Broken*
2. Custody Seal Nos.: Put in Remarks Section
3. Chain-of-Custody Records: (Present) / Absent*
4. Traffic Reports or Packing List: Present / (Absent)
5. Airbill: Airbill / Sticker
   Present / (Absent)
6. Airbill No.:
7. Sample Tags: (Present) / Absent*
   Sample Tag Nos.: (Listed) / Not Listed on Chain-of-Custody
8. Sample Condition: (Intact) / Broken* / Leaking*
9. Does information on custody reports, traffic reports and sample tags agree? (Yes) / No*
10. Proper preservatives used: (Yes) / No*
11. Date Rec. at Lab: 9/27/95
12. Temp. Rec. at Lab: 23°C
13. Time Rec. at Lab: 1335

LAB SAMPLE #	DASH #	CLIENT IDENTIFICATION	CONTAINER DESCRIPTION	SAMPLE MATRIX	DATE SAMP.	REMARKS: CONDITION(ETC.)
01	A	P.L.-1	Core	S	9/27/95	
02	"	SW-2	"	"	"	
03	"	-3	"	"	"	

9/27/95

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

SEQUOIA ANALYTICAL
CHAIN OF CUSTODY

☑ 680 Chesapeake Drive • Redwood City, CA 94063 • (415) 364-9600 FAX (415) 364-9233
☐ 819 Striker Ave., Suite 8 • Sacramento, CA 95834 • (916) 921-9600 FAX (916) 921-0100
☐ 404 N. Wiget Lane • Walnut Creek, CA 94598 • (510) 988-9600 FAX (510) 988-9673

Company Name: Pacific Environmental Group Inc	Project Name: 286 001.4A
Address: 2025 Gateway Place Suite 440 San Jose CA 95110	Billing Address (if different):
City: San Jose State: CA Zip Code: 95110	
Telephone: (408) 441 7500 FAX #: (408) 441 7539	P.O. #: 30127
Report To: Maree Docken Sampler: W Peck	QC Data: ☒ Level D (Standard) ☐ Level C ☐ Level B ☐ Level A

Turnaround Time: ☐ 10 Working Days ☐ 3 Working Days ☐ 2 - 8 Hours ☐ 7 Working Days ☐ 2 Working Days ☐ 5 Working Days ☑ 24 Hours 9509697

☐ Drinking Water ☐ Waste Water ☑ Other

Analyses Requested: GAS/BTEX

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	GAS/BTEX	Comments
1. PL-1	9/27/95		1	Core	01	X	
2. SW-2	9/27/95		1	Core	02	X	
3. SW-3	9/27/95		1	Core	03	X	
4.							
5.							
6.							
7.							
8.							
9.							
10.							

Relinquished By: W Peck	Date: 9/27/95	Time: 13.35	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By Lab:	Date: 9/27/95	Time: 1335

Were Samples Received in Good Condition? ☐ Yes ☐ No Samples on Ice? ☐ Yes ☐ No Method of Shipment_____ Page __ of __

Pink - Client
Yellow - Sequoia
White - Sequoia

SEQUOIA ANALYTICAL SAMPLE RECEIPT FORM

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

WORKORDER: 9509745
DATE OF LOG-IN: 9/14/95

CIRCLE THE APPROPRIATE RESPONSE

1. Custody Seal(s): Present / (Absent)
   Intact / Broken*
2. Custody Seal Nos.: Put in Remarks Section
3. Chain-of-Custody Records: (Present) / Absent*
4. Traffic Reports or Packing List: Present / (Absent)
5. Airbill: Airbill / Sticker
   Present / (Absent)
6. Airbill No.: ———
7. Sample Tags: (Present) / Absent*
   Sample Tag Nos.: (Listed) / Not Listed on Chain-of-Custody
8. Sample Condition: (Intact) / Broken* / Leaking*
9. Does information on custody reports, traffic reports and sample tags agree? (Yes) / No*
10. Proper preservatives used: (Yes) / No*
11. Date Rec. at Lab: 9-14-95
12. Temp. Rec. at Lab: 16°
13. Time Rec. at Lab: 1156

LAB SAMPLE #	DASH #	CLIENT IDENTIFICATION	CONTAINER DESCRIPTION	SAMPLE MATRIX	DATE SAMP.	REMARKS: CONDITION(ETC.)
1	a	SP-1	CORE	S	9-13-95	Comp 4→1
	b	SP-2	↓	↓	↓	↓
	c	SP-3				
	d	SP-4				

9-14-95 16

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

Revision 3/21/95

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.-001.4A

Facility No.

Facility Address: 1726 Park St., Alameda

Billing Refence Number: 30118

CLIENT engineer: MARVIN KATZ

PACIFIC Point of Contact: MIKE D.

Sampler: Mark Gubitz

Laboratory Name: SEQUOIA

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)	Total Lead			
SP-1	1	4x2		S	C	9/13/95	1600	X							X			
SP-2	1	↓		↓	↓	↓	↓	↓							↓			
SP-3	1	↓		↓	↓	↓	↓	↓							↓			
SP-4	1	↓		↓	↓	↓	↓	↓							↓			

Comments:

* Composite all samples into one sample.

9509745

SEP 1 1156

Condition of Sample:

Temperature Received:

Relinquished by	Date 9/14/95	Time 700	Received by	Date 9/14/95	Time 0800
Relinquished by	Date 9/14/95	Time 11:00	Received by	Date 9/14/95	Time 11:00A
Relinquished by	Date 9-14-95	Time 11:45	Received by	Date	Time
Relinquished by	Date	Time	Received by laboratory	Date 9-14-95	Time 1156

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:

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

CLIENT NAME: PEG
REC. BY (PRINT): M.Y.

WORKORDER: 9509B00
DATE OF LOG-IN: 9/19/95

CIRCLE THE APPROPRIATE RESPONSE

1. Custody Seal(s) Present / Absent
   Intact / Broken*
2. Custody Seal Nos.: Put in Remarks Section
3. Chain-of-Custody Records: Present / Absent*
4. Traffic Reports or Packing List: Present / Absent
5. Airbill: Airbill / Sticker Present / Absent
6. Airbill No.:
7. Sample Tags: Present / Absent*
   Sample Tag Nos.: Listed / Not Listed on Chain-of-Custody
8. Sample Condition: Intact / Broken* / Leaking*
9. Does information on custody reports, traffic reports and sample tags agree? Yes / No*
10. Proper preservatives used: Yes / No*
11. Date Rec. at Lab: 9/19/95
12. Temp. Rec. at Lab: 21 °C
13. Time Rec. at Lab: 1645

LAB SAMPLE #	DASH #	CLIENT IDENTIFICATION	CONTAINER DESCRIPTION	SAMPLE MATRIX	DATE SAMP.	REMARKS; CONDITION(ETC.)
1	D	SP-1	CORE (1)	S	9/19/95	
	A	SP-2	↓	↓	↓	
	B	SP-3				COMP
	C	SP-4				

9/19/95

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

Chain of Custody

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

PROJECT No. 786 001 YA

Facility No.	Facility Address: 1726 PARK at ALAMEDA	Billing Refence Number:
CLIENT engineer: STATE OF JOHN HENRY	PACIFIC Point of Contact: MARE ODEN / Sampler: PEDRO RUIZ	Laboratory Name: SEQUOIA

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)	GAS BTEX TOTAL LEAD				Comments:
SP-1		6"	NP	S	G	9-19-95	10:30								X				Composite. 9509800
SP-2		|	|	|	|	|	|								|				
SP-3		|	|	|	|	|	|								|				
SP-4		|	|	|	|	|	|								|				

Condition of Sample:

Temperature Received:

Relinquished by	Date	Time	Received by	Date	Time
[signature]	9-19-95	16:45			
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by laboratory [signature]	9/19/95	1640

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: 24 HR

- [X] Priority Rush (~~1 day~~) 24HR
- [ ] Rush (2 days)
- [ ] Expedited (5 days)
- [ ] Standard (10 days)
- [ ] As Contracted

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: PEG
REC. BY (PRINT): M.Y.

WORKORDER: 9509C29
DATE OF LOG-IN: 9/20/95

CIRCLE THE APPROPRIATE RESPONSE

1. Custody Seal(s): Present / (Absent)
   Intact / Broken*
2. Custody Seal Nos.: Put in Remarks Section
3. Chain-of-Custody Records: (Present) / Absent*
4. Traffic Reports or Packing List: Present / (Absent)
5. Airbill: Airbill / Sticker
   Present / (Absent)
6. Airbill No.:
7. Sample Tags: (Present) / Absent*
   Sample Tag Nos.: (Listed) / Not Listed on Chain-of-Custody
8. Sample Condition: (Intact) / Broken* / Leaking*
9. Does information on custody reports, traffic reports and sample tags agree? (Yes) / No*
10. Proper preservatives used: Yes / (No*)
11. Date Rec. at Lab: 9/20/95
12. Temp. Rec. at Lab: 18°C
13. Time Rec. at Lab: 1714

LAB SAMPLE #	DASH #	CLIENT IDENTIFICATION	CONTAINER DESCRIPTION	SAMPLE MATRIX	DATE SAMP.	REMARKS: CONDITION(ETC.)
01	A-D	SP-5(A-D)	CORE (4)	S	9/20/95	

9/20/95

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

Revision 3/21/95

Chain of Custody

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

PROJECT No. 286-001.4A

Facility No.

Facility Address: 1126 PARK ST. ALAMEDA, CALIF.

Billing Refence Number:

CLIENT engineer: Estate of John B Henry

PACIFIC Point of Contact: M. DeTEN

Sampler: Chuck Graves

Laboratory Name: SEQUOIA

Comments: 9509C29

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)	Total Pb			
SP-5(A-D)	4	CORE	NP	S	GC	9-20-95	11:20	✓							✓		01	A-D

COMPOSITE

Condition of Sample:

Temperature Received:

	Date	Time		Date	Time
Relinquished by: Charles M. Dyer	9-20-95	1610	Received by:	9-20-95	16:10
Relinquished by:	9-20-95	17:20	Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by laboratory: Sequoia	9/20/95	1714

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 ☐

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

WORKORDER: 9509D05
DATE OF LOG-IN: 9/21/95

CIRCLE THE APPROPRIATE RESPONSE

1. Custody Seal(s) Present / (Absent)
   Intact / Broken*
2. Custody Seal Nos.: Put in Remarks Section
3. Chain-of-Custody Records: (Present) / Absent*
4. Traffic Reports or Packing List: Present / (Absent)
5. Airbill: Airbill / Sticker
   Present / (Absent)
6. Airbill No.:
7. Sample Tags: (Present) / Absent*
   Sample Tag Nos.: (Listed) / Not Listed on Chain-of-Custody
8. Sample Condition: (Intact) / Broken* / Leaking*
9. Does information on custody reports, traffic reports and sample tags agree? (Yes) / No*
10. Proper preservatives used: (Yes) / No*
11. Date Rec. at Lab: 9/21/95
12. Temp. Rec. at Lab: 14°C
13. Time Rec. at Lab: 1244

LAB SAMPLE #	DASH #	CLIENT IDENTIFICATION	CONTAINER DESCRIPTION	SAMPLE MATRIX	DATE SAMP.	REMARKS: CONDITION(ETC.)
01	A-D	SP-6 (A-D)	(4) cores	S	9/21/95	

9/21/95

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

Chain of Custody

PROJECT No. 286-001.4A

2025 Gateway Place #440, San Jose CA 95110
Phone 408 441 7790 Fax 408 441 7539

Facility No.

Facility Address: 1726 Park st Alameda, California

Billing Refence Number:

CLIENT engineer: Marvin Katz

PACIFIC Point of Contact: Maree Dolen

Sampler: Chuck Graves

Laboratory Name: SEQUOIA

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)	Total Pb
SP-6(A-D)	4	Core	NP	S	C	9/21/95	9:00	✓							✓

Comments:

Fax Copy of C.O.C. to Maree Dolen @ 441-9102 (408)

Upon Reciept @ Lab.

9509D05

SEP 21 12 44

Condition of Sample:

Temperature Received:

Relinquished by	Date	Time	Received by	Date	Time
Chuck Graves	9-21-95	9:20	Ralph Burrill	9-21-95	9:20
Ralph Burrill	9-21-95				
			Received by laboratory	9/21/95	1244

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 ☐

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

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

WORKORDER: 9509035
DATE OF LOG-IN: 9-21-95

CIRCLE THE APPROPRIATE RESPONSE

1. Custody Seal(s): Present / (Absent)
   Intact / Broken*
2. Custody Seal Nos.: Put in Remarks Section
3. Chain-of-Custody Records: (Present) / Absent*
4. Traffic Reports or Packing List: Present / (Absent)
5. Airbill: Airbill / Sticker
   Present / (Absent)
6. Airbill No.: _____
7. Sample Tags: (Present) / Absent*
   Sample Tag Nos.: (Listed) / Not Listed on Chain-of-Custody
8. Sample Condition: (Intact) / Broken* / Leaking*
9. Does information on custody reports, traffic reports and sample tags agree? (Yes) / No*
10. Proper preservatives used: (Yes) / No*
11. Date Rec. at Lab: 9/21/95
12. Temp. Rec. at Lab: 23°C
13. Time Rec. at Lab: 1700

LAB SAMPLE #	DASH #	CLIENT IDENTIFICATION	CONTAINER DESCRIPTION	SAMPLE MATRIX	DATE SAMP.	REMARKS: CONDITION(ETC.)
1	A-D	SP-7 (A-D)	4 cores	S	9/21/95	
2	A-D	SP-8 (A-D)	"	"	"	

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

Chain of Custody

2025 Gateway Place #440, San Jose CA 95110
Phone 408 441 7790 Fax 408 441 7539

PROJECT No. 286-001.4A

Facility No.

Facility Address: 1726 PARK st ALAMEDA

Billing Refence Number:

CLIENT engineer: MARVIN KATZ

PACIFIC Point of Contact: Maree Dacken

Sampler: Chuck GRAVES

Laboratory Name: SEQUOIA

	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)	Total Pb
1	SP-7(A-D).	4	Core	ND	S	C	9/21/95	1545	✓							✓
2	SP-8(A-D)	4	Core	NP	S	C	9/21/95	1600	✓							✓

Comments: 9509D35

Condition of Sample:

Temperature Received:

Relinquished by	Date	Time	Received by	Date	Time
[signature]	9/21/95	1700			
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
			[signature]	9/21/95	1700

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

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: PG&E
REC. BY (PRINT): RL

WORKORDER: 9509E53
DATE OF LOG-IN: 9/23/95

CIRCLE THE APPROPRIATE RESPONSE

1. Custody Seal(s) Present / (Absent)
   Intact / Broken*
2. Custody Seal Nos.: Put in Remarks Section
3. Chain-of-Custody
   Records: (Present) / Absent*
4. Traffic Reports or
   Packing List: Present (Absent)
5. Airbill: Airbill / Sticker
   Present (Absent)
6. Airbill No.:
7. Sample Tags: (Present) / Absent*
   Sample Tag Nos.: (Listed) / Not Listed
   on Chain-of-Custody
8. Sample Condition: (Intact) Broken* / Leaking*
9. Does information on custody
   reports, traffic reports and
   sample tags agree? (Yes) / No*
10. Proper preservatives
    used: (Yes) No*
11. Date Rec. at Lab: 9/22/95
12. Temp. Rec. at Lab: 23°C
13. Time Rec. at Lab: 1835

LAB SAMPLE #	DASH #	CLIENT IDENTIFICATION	CONTAINER DESCRIPTION	SAMPLE MATRIX	DATE SAMP.	REMARKS: CONDITION(ETC.)
		SP-9(A-D)	(4) cores	S	9/22/95	
		-10	"			
		SW-1	1 core			
		Inv-4	"	"	"	

RL 9/22/95

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

Chain of Custody 9509E53

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

PROJECT No. 286-001.4A

Facility No.

Facility Address: 1726 Park St. Alameda, CA

Billing Refence Number:

CLIENT engineer: Marvin Katz

PACIFIC Point of Contact: Maree Dolen

Sampler: Chuck Graves

Laboratory Name: SEQUOIA

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)	TOTAL Pb
SP-9(A-D)	4	Core	NP	S	C	9/22/95	1700	✓							✓
SP-10(A-D)	4	↓	↓	↓	C	↓	1700	✓							✓
SW-1	1	↓	↓	↓	G	↓	1600	✓							
INF-4	1	Core	NP	S	G	9/22/95	15:06	✓							

Comments:

****
24 Hour
T.A.T.
******

Condition of Sample:

Temperature Received:

Relinquished by: Charlie Dow	Date: 9-22-95	Time: 1835	Received by:	Date:	Time:
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by laboratory	Date: 9/22/95	Time: 1635

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 ☐

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

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

WORKORDER: 9509054
DATE OF LOG-IN: 9-22-95

CIRCLE THE APPROPRIATE RESPONSE

1. Custody Seal(s): Present / (Absent)
   Intact / Broken*
2. Custody Seal Nos.: Put in Remarks Section
3. Chain-of-Custody Records: (Present) / Absent*
4. Traffic Reports or Packing List: Present / (Absent)
5. Airbill: Airbill / Sticker
   Present / (Absent)
6. Airbill No.:
7. Sample Tags: (Present) / Absent*
   Sample Tag Nos.: (Listed) / Not Listed on Chain-of-Custody
8. Sample Condition: (Intact) / Broken* / Leaking*
9. Does information on custody reports, traffic reports and sample tags agree? (Yes) / No*
10. Proper preservatives used: (Yes) / No*
11. Date Rec. at Lab: 9/21/95
12. Temp. Rec. at Lab: 23°C
13. Time Rec. at Lab: 1700

LAB SAMPLE #	DASH #	CLIENT IDENTIFICATION	CONTAINER DESCRIPTION	SAMPLE MATRIX	DATE SAMP.	REMARKS: CONDITION(ETC.)
1	A	Inv-1	Core	S	9/21/95	
2	↓	-2	↓	↓	↓	
3	↓	-3	↓	↓	↓	

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

Revision 3/21/95

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. 286-001.4A

Facility No. | Facility Address: 1726 PARK St. ALAMEDA, CA | Billing Refence Number:

CLIENT engineer: MARVIN Katz | PACIFIC Point of Contact: MAree DoLEN | Sampler: Chuck GRAVES | Laboratory Name: SEQUOIA

Comments: 9509D54

	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)
1	INV-1	1	Core	NP	S	G	9-21-95	8:00	✓						
2	INV-2	1	Core	↓	↓	↓	↓	8:45	✓						
3	INV-3	1	Core	↓	↓	↓	↓	12:00	✓						

Condition of Sample:

Temperature Received:

Relinquished by: Chuck Graves	Date: 9/21/95	Time: 17:00	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by laboratory:	Date: 9/21/95	Time: 17:00

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 ☐

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: PEC
REC. BY (PRINT): M.Y

WORKORDER: 9509C55
DATE OF LOG-IN: 9/20/95

CIRCLE THE APPROPRIATE RESPONSE

1. Custody Seal(s) Present / (Absent)
   Intact / Broken*
2. Custody Seal Nos.: Put in Remarks Section
3. Chain-of-Custody Records: (Present) / Absent*
4. Traffic Reports or Packing List: Present / (Absent)
5. Airbill: Airbill / Sticker
   Present / (Absent)
6. Airbill No.: —
7. Sample Tags: (Present) / Absent*
   Sample Tag Nos.: (Listed) / Not Listed on Chain-of-Custody
8. Sample Condition: (Intact) / Broken* / Leaking*
9. Does information on custody reports, traffic reports and sample tags agree? (Yes) / No*
10. Proper preservatives used: Yes / (No*)
11. Date Rec. at Lab: 9/19/95
12. Temp. Rec. at Lab: 21°C
13. Time Rec. at Lab: 1645

LAB SAMPLE #	DASH #	CLIENT IDENTIFICATION	CONTAINER DESCRIPTION	SAMPLE MATRIX	DATE SAMP.	REMARKS: CONDITION(ETC.)
1	A	W-1	CORE (1)	S	9/19/95	
2	A	W-2	〃	〃	〃	

9/19/95

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

Chain of Custody

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

PROJECT No. 286 001 4A

Facility No.

Facility Address: 1776 PARK St ALAMEDA

Billing Refence Number:

CLIENT engineer: STATE OF JOHN HEWEY

PACIFIC Point of Contact: MAREE DOSS

Sampler: PEDRO RUIZ

Laboratory Name: KEY

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 Dissvd. Metals	VOC (EPA 624/ 8240)	SVOC (EPA 627/ 8270)	HVOC (EPA 601/ 8010)	SAM BTEX TOTAL LEAD
1 W-1		6"	NP	W	G	9-19-95	10:50								X
2 W-2		6"	"	"	"	"	"								"

Comments:

9509C55

Condition of Sample:

Temperature Received:

Relinquished by	Date	Time	Received by	Date	Time
	9-19-95	10:45			
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
				9/19/95	1645

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) [X]
- Standard (10 days) [ ]
- As Contracted [ ]

Chain of Custody

PROJECT No. 286-0014A

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

Facility No.

Facility Address: 1726 Park St. Alameda

Billing Refence Number: 30127

CLIENT engineer: Marvin Katz

PACIFIC Point of Contact: Maree Dodeen

Sampler: Chuck Graves

Laboratory Name: SEQUOIA

	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 Disivd. Metals	VOC (EPA 624/ 8240)	SVOC (EPA 627/ 8270)	HVOC (EPA 601/ 8010)	
1	SW-4	1	Core	NP	S	G	9/29/95	935	✓							
2	SW-5							940 1045	✓							
3	SW-6							947	✓							
4	SW-7							950	✓							
5	SW-8							955	✓							
6	SW-10							1005	✓							
7	SW-11							830	✓							
8	SW-12							1535	✓							
9	SW-13							1540	✓							
10	INV-5	↓	↓	↓	↓	↓	↓	1015	✓							

Comments:

9510104

1 of 2 pages

SEP – 12

Condition of Sample:

Temperature Received:

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 ☐

	Relinquished by	Date	Time	Received by	Date	Time
1	Chuck Graves	9/29/95	1850	Maree Dodeen	10/2/95	0715
2	Maree Dodeen	10/2/95	0945	[illegible]	10/2/95	9:45
3	[illegible]	10/2/95				
4				Received by laboratory	10-2-95	1214

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. 286-001.4A

Facility No. ——

Facility Address: 1726 Park St. Alameda

Billing Refence Number: 30127

CLIENT engineer: Marvin Katz

PACIFIC Point of Contact: Maree Doden

Sampler: Chuck Graves

Laboratory Name: SEQUOIA

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)			
INV-6	1	Core	NP	S	G	9/29/95	1550	✓									

Comments:

9510104

2 of 2 pages

EP – 12

Condition of Sample:

Temperature Received:

Mail original Analytical Report to:

Pacific Environmental Group

Relinquished by	Date	Time	Received by	Date	Time
Chuck Graves	9/29/95	1800	M Doden	10/2/95	0715
M Doden	10/2/95	0945	Tim Hall	10/2/95	9:45
Tim Hall	10/2/95				
Relinquished by	Date	Time	Received by laboratory	Date	Time
				10-2-95	1714

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 ☐

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

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

WORKORDER: 9510104
DATE OF LOG-IN: 10/3/95

CIRCLE THE APPROPRIATE RESPONSE

1. Custody Seal(s) Present / (Absent)
   Intact / Broken*
2. Custody Seal Nos.: Put in Remarks Section
3. Chain-of-Custody Records: (Present) / Absent*
4. Traffic Reports or Packing List: Present / (Absent)
5. Airbill: Airbill / Sticker
   Present / (Absent)
6. Airbill No.:
7. Sample Tags: (Present) / Absent*
   Sample Tag Nos.: (Listed) / Not Listed on Chain-of-Custody
8. Sample Condition: (Intact) / Broken* / Leaking*
9. Does information on custody reports, traffic reports and sample tags agree? (Yes) / No*
10. Proper preservatives used: (Yes) / No*
11. Date Rec. at Lab: 10-2-95
12. Temp. Rec. at Lab: 16°
13. Time Rec. at Lab: 1214

LAB SAMPLE #	DASH #	CLIENT IDENTIFICATION	CONTAINER DESCRIPTION	SAMPLE MATRIX	DATE SAMP.	REMARKS: CONDITION(ETC.)
1		SW-4	CORE	S	9-29-95	
2		SW-5				
3		SW-6				
4		SW-7				
5		SW-8				
6		SW-10				
7		SW-11				
8		SW-12				
9		SW-13				
10		INV-5				
11		INV-6				

10-2-95 CB

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

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

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

WORKORDER: 9510012
DATE OF LOG-IN: 10/2/95

CIRCLE THE APPROPRIATE RESPONSE

1. Custody Seal(s): Present / (Absent)
   Intact / Broken*
2. Custody Seal Nos.: Put in Remarks Section
3. Chain-of-Custody Records: Present / Absent*
4. Traffic Reports or Packing List: Present / (Absent)
5. Airbill: Airbill / Sticker
   Present / (Absent)
6. Airbill No.:
7. Sample Tags: Present / Absent*
   Sample Tag Nos.: Listed / Not Listed on Chain-of-Custody
8. Sample Condition: Intact / Broken* / Leaking*
9. Does information on custody reports, traffic reports and sample tags agree? Yes / No*
10. Proper preservatives used: Yes / No*
11. Date Rec. at Lab: 10/2/95
12. Temp. Rec. at Lab: 13°C
13. Time Rec. at Lab: 1216

LAB SAMPLE #	DASH #	CLIENT IDENTIFICATION	CONTAINER DESCRIPTION	SAMPLE MATRIX	DATE SAMP.	REMARKS: CONDITION(ETC.)
01	A	SW-9	Core	S	9/29	

10/2

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

Chain of Custody

95100 12

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

PROJECT No. 286-001.4A

Facility No. —

Facility Address: 1726 PARK St. ALAMEDA

Billing Refence Number: 30127

CLIENT engineer: MARVIN Katz

PACIFIC Point of Contact: Maree Doden

Sampler: Chuck GRAVES

Laboratory Name: SEQUOIA

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:
SW-9	1	Core	NP	S	G	9/29/95	10:00	✓										01

SEP – 12 16

Condition of Sample:

Temperature Received: (NP)

Relinquished by	Date	Time	Received by	Date	Time
Chad M Gr	9/29/95	1800	M Doden	9/30/95	0715
M Doden	10/2/95	0945	[illegible]	10/2/95	9:45
[illegible]	10/2/95		Received by	Date	Time
Relinquished by	Date	Time	Received by laboratory	Date	Time
				10/2/95	1216

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 ☐

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: PEG 286-90140A
REC. BY (PRINT): TONY MCMAHON

WORKORDER: 9509470
DATE OF LOG-IN: 9/11/95

CIRCLE THE APPROPRIATE RESPONSE

1. Custody Seal(s) — Present / (Absent) — Intact / Broken*
2. Custody Seal Nos.: — Put in Remarks Section
3. Chain-of-Custody Records: — (Present) / Absent*
4. Traffic Reports or Packing List: — Present / (Absent)
5. Airbill: — Airbill / Sticker — Present / (Absent)
6. Airbill No.:
7. Sample Tags: — (Present) / Absent* — Sample Tag Nos.: (Listed) / Not Listed on Chain-of-Custody
8. Sample Condition: — (Intact) / Broken* / Leaking*
9. Does information on custody reports, traffic reports and sample tags agree? — (Yes) / No*
10. Proper preservatives used: — (Yes) / No*
11. Date Rec. at Lab: 9/11/95
12. Temp. Rec. at Lab: 14°C
13. Time Rec. at Lab: 17:35

LAB SAMPLE #	DASH #	CLIENT IDENTIFICATION	CONTAINER DESCRIPTION	SAMPLE MATRIX	DATE SAMP.	REMARKS: CONDITION(ETC.)
01	A	DW-1	1 LM	LIQ	9/11/95	
						PRESERVED IN LAB BY TONY Longoria

9/11/95

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

Chain of Custody

9509470

2025 Gateway Place #440, San Jose-CA 95110
Phone 408 441 7790 Fax 408 441 7539

PROJECT No. 286-001.4A

Facility No.

Facility Address: 1726 PARK St. ALAMEDA

Billing Refence Number:

CLIENT engineer: MARVIN KATZ

PACIFIC Point of Contact: MAREE DODEN

Sampler: C. GRAVES

Laboratory Name: SEQUOIA

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)	Priority Pollutant METALS
DW-1	1	1L	NP	W	G	9/11/95	16:30								✓

Comments:

* Lab PRESERVE PLEASE.
SAMPLE IS FIELD FILTERED.

Condition of Sample:

Temperature Received:

Mail original Analytical Report to:

Turnaround Time:

Relinquished by	Date	Time	Received by	Date	Time
Chas M. Graves	9/11/95	1735			
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by laboratory: Tony McMahon	Date: 9/11/95	Time: 17:35

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 ☐

ATTACHMENT C

TEMPORARY DISCHARGE AUTHORIZATION LETTER

STATE OF CALIFORNIA - CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY PETE WILSON, Governor

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

SAN FRANCISCO BAY REGION
2101 WEBSTER STREET, Suite 500
OAKLAND, CA 94612
Tel: (510) 286-1255
FAX: (510) 2861380
BBS: (510) 286-0404

286-001.3C

October 18, 1995
File No. 2198.19(KLG)
UST RB File No. 01-0008

Estate of John.B Henry
c/o Michael Brown
Mendelson and Brown
1040 Marina Village Parkway
Suite B
Alameda, CA 94501

FILE COPY

SUBJECT: Discharge of Treated Groundwater From Former Texaco Station, 1726 Park Street, Alameda, CA

Dear Mr. Brown:

We have received Pacific Environmental's September 8, 1995, report and application for the discharge of treated groundwater submitted on your behalf. This report requests permission to discharge approximately 40,000 gallons of treated groundwater from the above site to a storm drain. The wastewater will be generated as a result of dewatering a tank excavation for the purpose of excavating contaminated soil at the site. Because of the historical presence of gasoline concentrations in the groundwater beneath the site, the dewatered groundwater from the excavation at the site will be placed in temporary storage tanks. It is proposed to pass the contaminated water through two 500 pound granular activated carbon vessels, test the water stored in the tanks, then discharge to the adjacent storm drain system. The water will be tested for Total Petroleum Hydrocarbons per EPA method 8015 and Volatile Organics per EPA method 8020, including Methyl Tert Butyl Ether (MTBE).

In the event that pollution levels exceed the limits specified in Order No. 91-056, or other provisions of that order are violated, the Regional Board shall be notified, and all discharge activity shall cease until the groundwater is suitably treated.

A discharger is required to obtain a National Pollution Discharge Elimination System (NPDES) permit before disposing of non-stormwater to waters of the State. However, based on the information contained in your report, the water quality concerns are considered to be insignificant. Therefore, I will not recommend that the Regional Board take enforcement action if the subject 40,000 gallons of groundwater is treated and disposed of in the proposed manner without an NPDES permit. Please complete your discharge by December 1, 1995.

NOV 06 1995

Discharge to the storm drain should not exceed 40 gallons per minute. You should also be aware that it is the responsibility of any persons proposing to discharge to a storm drain to obtain authorization to discharge from the agency having jurisdiction over the user of the storm drain system. Please contact Laura Timothy at (510) 748-4626 with the City of Alameda at least seven days prior to commencement of the discharge.

If you wish to perform additional discharge activities at this site, you must first submit a detailed proposal to this Board for review. Please call Kevin Graves at (510) 286-0435 if you have any questions.

Sincerely,

Lawrence P. Kolb
Acting Executive Officer

Stephen I. Morse
Chief, Toxics Division

cc: Lance Geselbracht, Pacific Environmental
Eva Chu, ACDEH
Laura Timothy, City of Alameda

1726park.let

ATTACHMENT D

SOIL COMPACTION TEST RESULTS

BAY AREA GEOTECHNICAL GROUP

Consulting Geotechnical Engineers and Engineering Geologists

TRANSMITTAL MEMO

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

ATTN: Mr. Chuck Graves

DATE: October 18, 1995

PROJECT: Field Density Testing
Remedial Pit Backfill
Park and Eagle Avenue
Alameda, CA

BAGG JOB NUMBER: 476-B

SENT HEREWITH:

No. of Copies	Date of Document	Description
1	10/3-10/6/95	Field Engineer's Daily Report of Activities.
1	10/18/95	Site Sketch With Test Plotted.

BEING SENT: ☒ As requested ☒ For your use ☒ For review ☐ For use & return
☐ Other

COPIES TO: ☐ Transmittal memo only ☐ Transmittal Memo and Transmitted documents

SENT BY: ☒ First Class Mail ☐ Overnight Mail ☐ Common Carrier (name)
☐ Other

REMARKS:

BY: Manuel Hernandez
Director of Field Operations

(5/95)

950 Industrial Avenue • Palo Alto, CA 94303 • 415 852 9133 • FAX: 415 852 9138

BAY AREA GEOTECHNICAL GROUP
950 INDUSTRIAL AVE., PALO ALTO, CA 94303
(415) 852-9133

BAGG

DAILY REPORT

PAGE NO. 4

JOB NO. 476 B NAME PACIFIC ENVIROMENTAL GR. DATE 10-6-95
LOCATION ALAMEDA DAY OF WEEK FRIDAY
WEATHER CLEAR, WARM SIGNED TH
SOURCE OF SOIL IMPORT FILL PLACED TODAY _____ CU. YDS.
FILLED TO BE PLACED _____ CU. YDS.
CONTRACTOR EQUIPMENT IN USE VIB SHEEPSFOOT, BOB CAT

EXCAVATION PIT

Test No.	LOCATION BACKFILL	Elevation Feet	Compaction Curve	Optimum Moisture Content, %	Maximum Dry Density, pct	Field Moisture Content, %	Field Dry Density, pct	Percent Compaction	Retest
12	NW	-0.5 FSG	1	11 1/2	129	8.1	123	95	
13	NORTH	-0.5 "	1	"	"	7.9	123	95	
14	SOUTH	-0.5 "	1	"	"	8.1	123	95	
15	SW	-0.5 "	1	"	"	8.6	124	96	

REMARKS TH ON SITE IN AM AS REQUESTED BY FOREMAN CHUCK OF PACIFIC ENVIROMENTAL GROUP.

CONTRACTOR WAS PLACING & COMPACTING THE LAST FINAL LIFT OF BACKFILL IN THE EXCAVATION PIT.
ALL THE ABOVE TEST WERE PERFORMED AT -0.5 FSG ELEVATION.
I WAS INFORMED BY THE CONTRACTOR THAT BACKFILLED AREA WILL RECEIVE 6" OF BASEROCK & WILL BE PAVED WITH AC.

CONTRACTOR WAS INFORMED OF THE ABOVE TEST RESULTS

BAY AREA GEOTECHNICAL GROUP
950 INDUSTRIAL AVE., PALO ALTO, CA 94303
(415) 852-9133

DAILY REPORT

JOB NO. 476 B NAME PACIFIC ENVIROMENTAL GROUP DATE 10-5-95 PAGE NO. 3
LOCATION ALAMEDA DAY OF WEEK THURS
WEATHER CLEAR, WARM SIGNED TH
SOURCE OF SOIL IMPORT FILL PLACED TODAY ____ CU. YDS.
FILLED TO BE PLACED ____ CU. YDS.
CONTRACTOR EQUIPMENT IN USE SAME AS 10/4/95

EXCAVATION PIT

Test No.	LOCATION BACKFILL	Elevation Feet	Compaction Curve	Optimum Moisture Content, %	Maximum Dry Density, pcf	Field Moisture Content, %	Field Dry Density, pcf	Percent Compaction	Retest
8	SOUTH CORNER	-3' FSG	1	11½	129	8.1	123	95	
9	SE	-3' "	1			8.8	122	95	
10	NORTH	-3' "	1			10.0	124	96	
11	NW	-3' "	1			9.4	122	95	

REMARKS TH ON SITE IN AM AT THE REQUEST OF CHUCK.

BACKFILL OPERATION CONTINUED, LESS TRUCKS WERE HAULING IN MATERIAL, OPERATION SLOW.

ABOVE DENSITY TESTS WERE PERFORMED IN THE PLACED BACKFILL. TEST LOCATIONS & ELEVATIONS WERE DESIGNATED BY CHUCK.
CHUCK WAS INFORMED OF THE ABOVE TEST RESULTS.

BACKFILL OPERATION CONTINUING, BUT CHUCK REQUESTED THAT WE TEST THE PLACED BACKFILL AT FSG LEVEL TOMORROW - AM.

BAY AREA GEOTECHNICAL GROUP
950 INDUSTRIAL AVE., PALO ALTO, CA 94303
(415) 852-9133

DAILY REPORT

JOB NO 476-B NAME PACIFIC ENVIROMENTAL GR. DATE 10-4-95
LOCATION PARK AVE. ALAMEDA DAY OF WEEK WED.
WEATHER CLEAR, WARM SIGNED TH
SOURCE OF SOIL IMPORT FILL PLACED TODAY _____ CU. YDS.
FILLED TO BE PLACED _____ CU. YDS.
CONTRACTOR EQUIPMENT IN USE VIB. SHEEPSFOOT ROLLER, BOB CAT LOADER DUMP TRUCKS

BACKFILL

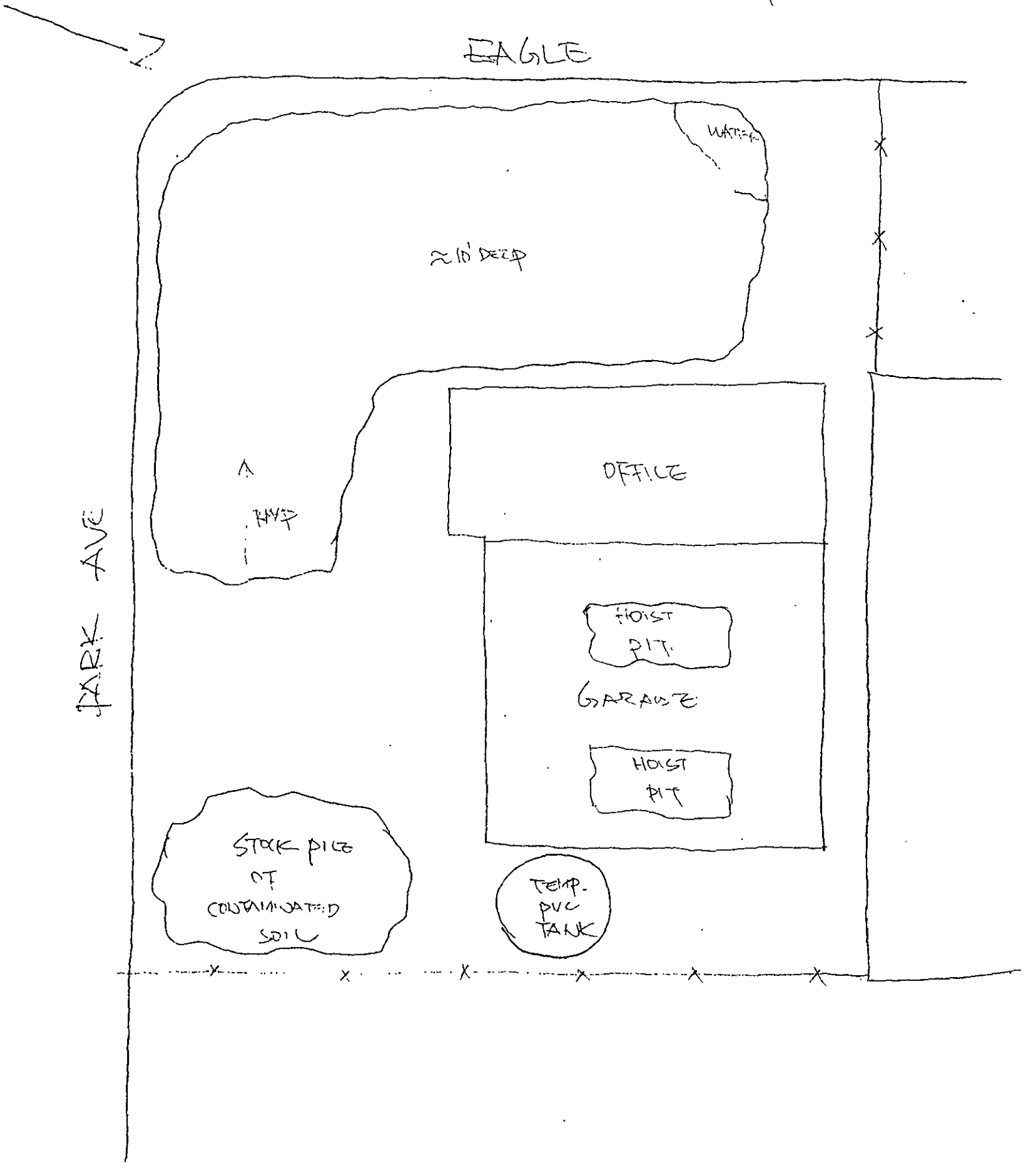
Test No.	LOCATION EXCAVATION PIT	Elevation Feet	Compaction Curve	Optimum Moisture Content, %	Maximum Dry Density, pct	Field Moisture Content, %	Field Dry Density, pct	Percent Compaction	Retest
1	South	-7' EGG	1	11 1/2	129	8.0	120	93	
2	SE	-7"	1			8.0	120	93	
3	NW	-7 1/2"	1			7.9	121	94	
4	SE	-6 1/2"	1			8.9	120	93	
5	SW	-6'-"	1			10.6	125	97	
6	North	-5'-"	1			9.1	120	93	
7	SE	-5'-"	1			9.5	121	94	

REMARKS TH ON SITE AM PM AS REQUESTED BY PACIFIC ENVIROM-
-ENTAL GROUP.
MET WITH FOREMAN CHUCK ON SITE.
CONTRACTOR HAS ALREADY STARTED THE BACKFILL OPERATION IN THE EXCAVATION PIT AT THE CORNER OF PARK & EAGLE. APPROX. 2 FT. OF BACKFILL WAS ALREADY PLACED - PRIOR TO TH'S ARRIVAL ON SITE.
IMPORTED BACKFILL MATERIAL WAS PLACED IN LIFTS, MOISTURE CONDITIONED & COMPACTED WITH A VIB. Sheepsfoot Roller.
BACKFILL MATERIAL HAS LOT OF SIZEABLE ROCKS, CONTRACTOR WAS ADVISED TO KEEP THE BACKFILL MATERIAL FREE OF BOULDERS & SIZEABLE ROCKS.
ABOVE DENSITY TESTS WERE PERFORMED IN THE PLACED BACKFILL. LOCATIONS & ELEVATIONS OF THE TESTS WERE DESIGNATED BY CHUCK.

CHUCK WAS INFORMED OF THE TEST RESULTS.

BAGG
CONSULTING ENGINEERS

PROJECT PACIFIC ENVIRONMENTAL (MP)
JOB No. 476-R
SHEET # 1 OF 1 SCALE NTS
CALCULATED BY LCD DATE 10-3-95



BAY AREA GEOTECHNICAL GROUP
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(415) 852-9133

DAILY REPORT

PAGE NO. 1

JOB NO 476-B NAME PACIFIC ENVIRONMENTAL GROUP DATE 10-3-95
LOCATION ALAMEDA DAY OF WEEK TUESDAY
WEATHER WARM & CLEAR SIGNED LARRY C. DENG
SOURCE OF SOIL ——— FILL PLACED TODAY ——— CU. YDS.
FILLED TO BE PLACED ——— CU. YDS.
CONTRACTOR EQUIPMENT IN USE BOBCAT, MID-SIZE BOMAG COMPACTOR.

Test No.	LOCATION	Elevation Feet	Compaction Curve	Optimum Moisture Content, %	Maximum Dry Density, pct	Field Moisture Content, %	Field Dry Density, pct	Percent Compaction	Retest

REMARKS LSP ON SITE AM AT THE REQUEST OF MR. CHUCK GRAVES OF PACIFIC ENVIRONMENTAL GROUP, FOR AN INITIAL ~~SITE~~ VISIT TO THE BACKFILL OF REMOVAL OF CONTAMINATED SOIL AT AN OLD SERVICE STATION AT THE SOUTH WEST CORNER OF PARK AVE. AND EAGLE AVE., IN ALAMEDA. MET WITH PEG CREW SUNNY & PABLO ON SITE. I WAS TOLD THAT DUMP TRUCKS ARE NOT AVAILABLE TODAY, AND WILL BE TOMORROW. THE BACKFILL WILL START TOMORROW. THERE WAS APPROX. ONE FOOT OF DRAIN ROCK AT THE BOTTOM OF THE "L" SHAPE PIT, WHICH IS ABOUT 10' DEEP TODAY. PLEASE SEE ATTACHED SKETCH FOR MORE DETAILS.