PACIFIC
ENVIRONMENTAL
GROUP, INC.

AN ITT COMPANY

505

STID 2508

December 2, 1998
Project 311-127.1B

Ms. Tina Berry
Tosco Marketing Company
2000 Crow Canyon Place, Suite 400
San Ramon, California 94583

Re: **Product Piping Removal Activities**
76 Service Station 5367
500 Bancroft Avenue at Dowling Boulevard
San Leandro, California

Dear Ms. Berry:

On behalf of Tosco Marketing Company (Tosco), Pacific Environmental Group, Inc. (PEG) has prepared this letter to document environmental assessment performed in association with station upgrade activities at the site referenced above.

The station upgrade activities performed at the site included the replacement of the product dispensers and associated underground product piping, the installation of spill containment sumps on the existing underground fuel storage tanks, and the installation of an electronic leak detection monitoring system.

REMOVAL OF PRODUCT DISPENSERS AND UNDERGROUND PIPING

Henderson Construction, Inc. (Henderson) of Stockton, California removed the six product dispensers and underground product piping from the site in mid-October 1998. The removed product piping was of single-walled fiberglass construction, but had been installed with fiberglass trench liners which acted as secondary containment.

On October 26, 1998, at the direction of Mr. Karl Busche of the San Leandro Fire Department (SLFD), PEG collected six soil samples, designated P-1 through P-6, from beneath the removed product dispensers and piping. The locations of these soil samples are shown on Figure 1. Sample collection depths are presented Table 1. Field and laboratory procedures are presented as Attachment A.

Soil samples P-1 through P-6 were analyzed for the presence of total purgeable petroleum hydrocarbons calculated as gasoline (TPPH-g), benzene, toluene, ethylbenzene, and xylenes (BTEX compounds), total extractable petroleum hydrocarbons calculated as

diesel (TEPH-d), methyl tert-butyl ether (MtBE), and total lead. The results of these analyses are presented in Table 1. The certified analytical reports and chain-of-custody documentation are presented as Attachment B.

Additional excavation to remove hydrocarbon-impacted soils was not performed in the areas of the removed product dispensers or underground product piping. Upon completion of piping removal and soil sampling activities, a maximum residual concentration of 3.1 parts per million (ppm) TEPH-d was detected in a soil sample collected at the maximum extent of excavation. The analytical laboratory noted an atypical chromatograph pattern for this TEPH-d quantification. Concentrations of TPPH-g, BTEX compounds, or MtBE were not detected in soil samples collected at the maximum extent of excavation. Concentrations of total lead ranged from 6.8 to 10 ppm in in-situ soil samples.

INSTALLATION OF SPILL CONTAINMENT SUMPS

In October 1998, spill containment sumps were installed at the tops of the existing underground fuel storage tanks by Henderson. Because the tanks were not removed, and native soils were not exposed, soil sampling was not performed in the area of the fuel tanks.

STOCKPILED SOIL CHARACTERIZATION

Approximately 30 cubic yards of soil generated from the area of the removed product dispensers and associated piping were stockpiled briefly on site for characterization prior to disposal. On October 26, 1998, four soil samples, designated SP(1) through SP(4), were collected from these stockpiled soils. The four soil samples were composited four-into-one at the analytical laboratory prior to analysis, resulting in the analysis of a single composite soil sample, SP(1-4). Sample SP(1-4) was analyzed for the presence of TPPH-g, BTEX compounds, MtBE, TEPH-d, and total lead. The results of these analyses are presented in Table 1. The certified analytical reports and chain-of-custody documentation are presented as Attachment B.

The excavated soils were transported to a temporary holding area at the Forward, Inc. (Forward) disposal facility in Manteca, California. These stockpiled soils were transported to Forward by Denbeste Transportation, Inc. (Denbeste) of Windsor, California, on November 6, 1998. Upon evaluation of the analytical data for stockpiled soil composite sample SP(1-4), these stockpiled soils were transferred to an appropriate area within the Forward facility for disposal.

COMPLETION OF SERVICE STATION UPGRADE ACTIVITIES

Upon completion of the removal of the product dispensers and associated underground product piping, new product piping and dispensers were installed by Henderson in the

same locations as the removed piping and dispensers. Spill containment boxes were fitted beneath the new product dispensers during installation.

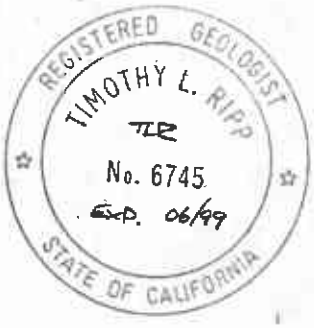
Upon completion of the installation of the spill containment sumps on the existing underground fuel tanks, the fuel tanks were covered with pea gravel and the area overlying the fuel tanks was re-paved.

A leak detection monitoring system was also installed by Henderson during the installation and modification of service station improvements at the site.

Should you have any questions regarding the contents of this letter, please feel free to call.

Sincerely,

Pacific Environmental Group, Inc.



Timothy L. Ripp
Project Geologist
RG 6745

Attachments: Table 1 - Soil Analytical Data
Figure 1 - Site Map
Attachment A - Field and Laboratory Procedures
Attachment B - Certified Analytical Reports and Chain-of-Custody Documentation

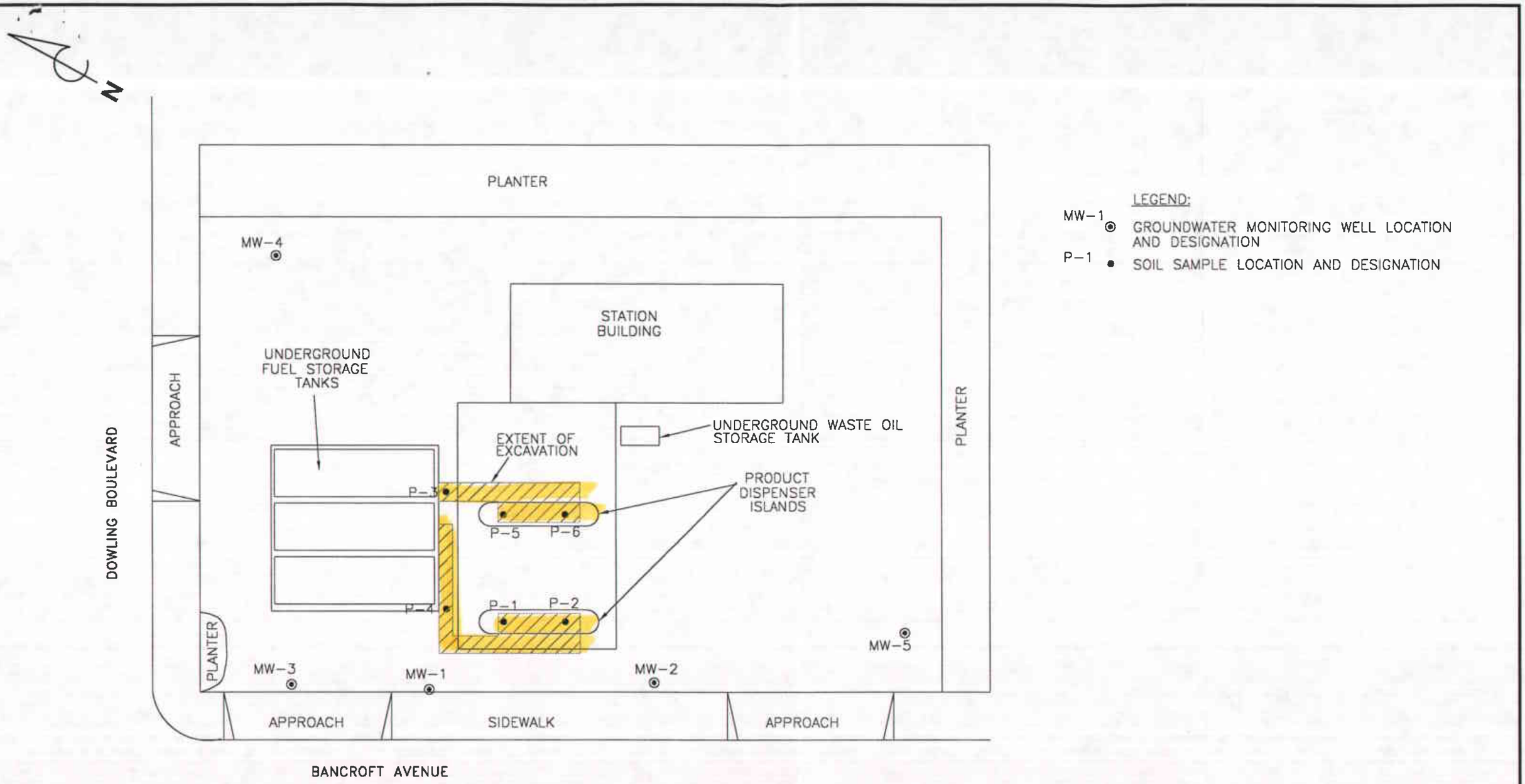
cc: Mr. Karl Busche, San Leandro Fire Department
Mr. Tom Peacock, Alameda County Health Care Services Agency

Table 1
Soil Analytical Data

76 Service Station 5367
500 Bancroft Avenue at Dowling Boulevard
San Leandro, California

Sample ID	Sample Depth (feet)	Date Sampled	TPPH as Gasoline (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl-Benzene (ppm)	Total Xylenes (ppm)	TEPH as Diesel (ppm)	MtBE (ppm)	TTLC Lead (ppm)
In-Situ Soil Samples:										
P-1	3	10/26/98	ND	ND	ND	ND	ND	3.1(1)	ND	10
P-2	4	10/26/98	ND	ND	ND	ND	ND	ND	ND	10
P-3	5-1/2	10/26/98	ND	ND	ND	ND	ND	1.8(1)	ND	8.8
P-4	5	10/26/98	ND	ND	ND	ND	ND	1.0(1)	ND	8.6
P-5	4-1/2	10/26/98	ND	ND	ND	ND	ND	ND	ND	6.8
P-6	4	10/26/98	ND	ND	ND	ND	ND	ND	ND	9.2
Stockpiled Soil Samples:										
SP(1-4)	NA	10/26/98	ND	ND	ND	ND	0.040	ND	ND	11

TPPH = Total purgeable petroleum hydrocarbons
MtBE = Methyl tert-butyl ether
TEPH = Total extractable petroleum hydrocarbons
TTLC = Total threshold limit concentration
ppm = Parts per million
ND = Not detected
NA = Not applicable
(1) = Atypical chromatograph pattern reported by analytical laboratory.
Detection limits are indicated in certified analytical reports.



311\127\Site_Map.dwg

PACIFIC ENVIRONMENTAL GROUP, INC.

TITLE: SITE MAP

PREPARED FOR:

76 Service Station 5367
500 Bancroft Avenue at Dowling Boulevard
San Leandro, California

DATE:	PROJECT:	SCALE:	FIGURE:
10-23-98	311-127.1B	AS SHOWN	1

ATTACHMENT A

FIELD AND LABORATORY PROCEDURES

ATTACHMENT A
FIELD AND LABORATORY PROCEDURES

Collection of Soil Samples

Soil samples were collected from undisturbed soil, or soil removed from an excavation by a backhoe bucket, using 2-inch diameter brass sample liners. The soil samples were retained in the brass liners and capped with Teflon® sheets and plastic end caps. The samples were then labeled, placed in sealed plastic bags, and transported on ice to the analytical laboratory, accompanied by the appropriate chain-of-custody documentation.

Laboratory Analyses

Soil samples to be analyzed for total purgeable petroleum hydrocarbons calculated as gasoline (TPPH-g), benzene, toluene, ethylbenzene, xylenes (BTEX compounds), and methyl tert-butyl ether (MtBE) were extracted by the purge-and-trap technique, EPA Method 5030. Soil samples to be analyzed for total extractable petroleum hydrocarbons calculated as diesel (TEPH-d), were extracted by sonnication, EPA Method 3550. Analyses for TPPH-g and TEPH-d were performed by EPA Method 8015 (modified). Analyses for BTEX compounds and MtBE were performed by EPA Method 8020. These analytical methods utilize gas chromatography, and flame- or photo-ionization detection.

Samples to be analyzed for the presence of lead were extracted by acid digestion, EPA Method 3050. This extraction method is used to determine the total lead concentration, or total threshold limit concentration (TTLC), within a sample. Analyses for lead were performed using inductively coupled plasma, by EPA Method 6010.

All laboratory analyses were performed by a California State-certified analytical laboratory.

ATTACHMENT B

CERTIFIED ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY DOCUMENTATION

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

NOV 0 9 1998

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

Attention: Tina Berry

Client Proj. ID: 311-127.1B/5367, 500 Bancoft

Lab Proj. ID: 9810I77

Sampled: 10/26/98
Received: 10/27/98
Analyzed: see below

Reported: 11/06/98

LABORATORY ANALYSIS

Analyte	Units	Date Analyzed	Detection Limit	Sample Results
Lab No: 9810I77-01 Sample Desc : **SOLID,P-1**				
Lead by ICP	**mg/Kg**	**10/29/98**	**5.0**	**10**
Lab No: 9810I77-02 Sample Desc : **SOLID,P-2**				
Lead by ICP	**mg/Kg**	**10/29/98**	**5.0**	**10**
Lab No: 9810I77-03 Sample Desc : **SOLID,P-3**				
Lead by ICP	**mg/Kg**	**10/29/98**	**5.0**	**8.8**
Lab No: 9810I77-04 Sample Desc : **SOLID,P-4**				
Lead by ICP	**mg/Kg**	**10/29/98**	**5.0**	**8.6**
Lab No: 9810I77-05 Sample Desc : **SOLID,P-5**				
Lead by ICP	**mg/Kg**	**10/29/98**	**5.0**	**6.8**
Lab No: 9810I77-06 Sample Desc : **SOLID,P-6**				
Lead by ICP	**mg/Kg**	**10/29/98**	**5.0**	**9.2**
Lab No: 9810I77-07 Sample Desc : **SOLID,SP(1-4) Comp**				
Lead by ICP	**mg/Kg**	**10/29/98**	**5.0**	**11**

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

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od Granicher
roject Manager

Sequoia Analytical

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

Attention: Tina Berry

Client Proj. ID: 311-127.1B/5367, 500 Bancoft
Sample Descript: P-1
Matrix: SOLID
Analysis Method: 8015Mod/8020
Lab Number: 9810I77-01

Sampled: 10/26/98
Received: 10/27/98
Extracted: 11/03/98
Analyzed: 11/04/98
Reported: 11/06/98

C Batch Number: GC110398BTEXEXB
strument ID: GCHP7

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Methyl t-Butyl Ether	0.025	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	100
4-Bromofluorobenzene	60	140	78

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Pacific Environmental Group	Client Proj. ID: 311-127.1B/5367, 500 Bancoft	Sampled: 10/26/98
2025 Gateway Place, Suite 440	Sample Descript: P-1	Received: 10/27/98
San Jose, CA 95110	Matrix: SOLID	Extracted: 10/29/98
	Analysis Method: EPA 8015 Mod	Analyzed: 11/03/98
Attention: Tina Berry	Lab Number: 9810177-01	Reported: 11/06/98

QC Batch Number: GC1029980HBPEXC
Instrument ID: GCHP4B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel	1.0	3.1
Chromatogram Pattern:		
Unidentified HC		C9-C24

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	80

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

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Rod Granicher
Project Manager

Sequoia Analytical

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Pacific Environmental Group	Client Proj. ID: 311-127.1B/5367, 500 Bancoft	Sampled: 10/26/98
2025 Gateway Place, Suite 440	Sample Descript: P-2	Received: 10/27/98
San Jose, CA 95110	Matrix: SOLID	Extracted: 11/03/98
	Analysis Method: 8015Mod/8020	Analyzed: 11/04/98
Attention: Tina Berry	Lab Number: 9810I77-02	Reported: 11/06/98

QC Batch Number: GC110398BTEXEXB
Instrument ID: GCHP7

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Methyl t-Butyl Ether	0.025	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	107
4-Bromofluorobenzene	60	140	90

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

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Tod Granicher
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Pacific Environmental Group	Client Proj. ID: 311-127.1B/5367, 500 Bancoft	Sampled: 10/26/98
2025 Gateway Place, Suite 440	Sample Descript: P-2	Received: 10/27/98
San Jose, CA 95110	Matrix: SOLID	Extracted: 10/29/98
	Analysis Method: EPA 8015 Mod	Analyzed: 11/03/98
Attention: Tina Berry	Lab Number: 9810177-02	Reported: 11/06/98

QC Batch Number: GC1029980HBPEXC
Instrument ID: GCHP4B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel	1.0	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	99

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od Granicher
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Pacific Environmental Group	Client Proj. ID: 311-127.1B/5367, 500 Bancoft	Sampled: 10/26/98
2025 Gateway Place, Suite 440	Sample Descript: P-3	Received: 10/27/98
San Jose, CA 95110	Matrix: SOLID	Extracted: 11/03/98
	Analysis Method: 8015Mod/8020	Analyzed: 11/04/98
Attention: Tina Berry	Lab Number: 9810177-03	Reported: 11/06/98

QC Batch Number: GC110398BTEXEXB
Instrument ID: GCHP7

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Methyl t-Butyl Ether	0.025	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
4-Bromofluorobenzene	60	140	88

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

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Todd Granicher
Project Manager

Sequoia Analytical

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Pacific Environmental Group	Client Proj. ID: 311-127.1B/5367, 500 Bancoft	Sampled: 10/26/98
2025 Gateway Place, Suite 440	Sample Descript: P-4	Received: 10/27/98
San Jose, CA 95110	Matrix: SOLID	Extracted: 11/03/98
	Analysis Method: 8015Mod/8020	Analyzed: 11/04/98
Attention: Tina Berry	Lab Number: 9810177-04	Reported: 11/06/98

QC Batch Number: GC110398BTEXEXB
Instrument ID: GCHP7

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Methyl t-Butyl Ether	0.025	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
4-Bromofluorobenzene	60	140	93

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Pacific Environmental Group	Client Proj. ID: 311-127.1B/5367, 500 Bancoft	Sampled: 10/26/98
2025 Gateway Place, Suite 440	Sample Descript: P-4	Received: 10/27/98
San Jose, CA 95110	Matrix: SOLID	Extracted: 10/29/98
	Analysis Method: EPA 8015 Mod	Analyzed: 11/03/98
Attention: Tina Berry	Lab Number: 9810I77-04	Reported: 11/06/98

QC Batch Number: GC1029980HBPEXC
Instrument ID: GCHP4A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel	1.0	1.0
Chromatogram Pattern:		
Unidentified HC		C9-C24

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	90

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

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Tod Granicher
Project Manager

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

Attention: Tina Berry

Client Proj. ID: 311-127.1B/5367, 500 Bancoft
Sample Descript: P-5
Matrix: SOLID
Analysis Method: 8015Mod/8020
Lab Number: 9810177-05

Sampled: 10/26/98
Received: 10/27/98
Extracted: 11/03/98
Analyzed: 11/04/98
Reported: 11/06/98

C Batch Number: GC110398BTEXEXB
strument ID: GCHP7

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Methyl t-Butyl Ether	0.025	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	97
4-Bromofluorobenzene	60	140	80

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Pacific Environmental Group	Client Proj. ID: 311-127.1B/5367, 500 Bancoft	Sampled: 10/26/98
2025 Gateway Place, Suite 440	Sample Descript: P-5	Received: 10/27/98
San Jose, CA 95110	Matrix: SOLID	Extracted: 10/29/98
	Analysis Method: EPA 8015 Mod	Analyzed: 11/03/98
Attention: Tina Berry	Lab Number: 9810177-05	Reported: 11/06/98

QC Batch Number: GC1029980HBPEXC
Instrument ID: GCHP4A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel	1.0	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	88

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SEQUOIA ANALYTICAL - ELAP #1210

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Pacific Environmental Group	Client Proj. ID: 311-127.1B/5367, 500 Bancoft	Sampled: 10/26/98
2025 Gateway Place, Suite 440	Sample Descript: P-6	Received: 10/27/98
San Jose, CA 95110	Matrix: SOLID	Extracted: 11/03/98
	Analysis Method: 8015Mod/8020	Analyzed: 11/04/98
Attention: Tina Berry	Lab Number: 9810177-06	Reported: 11/06/98

QC Batch Number: GC110398BTEXEXB
Instrument ID: GCHP7

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Methyl t-Butyl Ether	0.025	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	102
4-Bromofluorobenzene	60	140	98

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

SEQUOIA ANALYTICAL - ELAP #1210

Todd Granicher
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Pacific Environmental Group	Client Proj. ID: 311-127.1B/5367, 500 Bancoft	Sampled: 10/26/98
2025 Gateway Place, Suite 440	Sample Descript: P-6	Received: 10/27/98
San Jose, CA 95110	Matrix: SOLID	Extracted: 10/29/98
	Analysis Method: EPA 8015 Mod	Analyzed: 11/03/98
Attention: Tina Berry	Lab Number: 9810177-06	Reported: 11/06/98

QC Batch Number: GC1029980HBPEXC
Instrument ID: GCHP4A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel	1.0	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	77

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

SEQUOIA ANALYTICAL - ELAP #1210

David Granicher
Project Manager

Sequoia Analytical

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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Pacific Environmental Group	Client Proj. ID: 311-127.1B/5367, 500 Bancoft	Sampled: 10/26/98
2025 Gateway Place, Suite 440	Sample Descript: SP(1-4) Comp	Received: 10/27/98
San Jose, CA 95110	Matrix: SOLID	Extracted: 10/29/98
	Analysis Method: EPA 8015 Mod	Analyzed: 11/03/98
Attention: Tina Berry	Lab Number: 9810177-07	Reported: 11/06/98

C Batch Number: GC1029980HBPEXC
strument ID: GCHP4A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel	1.0	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	93

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

EQUOIA ANALYTICAL - ELAP #1210

d Granicher
oject Manager

Sequoia Analytical

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Pacific Environmental Group
2025 Gateway Place, Ste. 440
San Jose, CA 95110
Attention: Tina Berry

Client Project ID: 311-127.1B/5367, 500 Bancroft

QC Sample Group: 9810177

Reported: Nov 6, 1998

QUALITY CONTROL DATA REPORT

Matrix:	Solid			
Method:	EPA 8020			
Analyst:	G.P.			
ANALYTE	Benzene	Toluene	Ethylbenzene	Xylenes
QC Batch #:	GC110398BTEXEXB			
Sample No.:	9810177-3			
Date Prepared:	11/3/98	11/3/98	11/3/98	11/3/98
Date Analyzed:	11/4/98	11/4/98	11/4/98	11/4/98
Instrument I.D.#:	GCHP22	GCHP22	GCHP22	GCHP22
Sample Conc., mg/Kg:	N.D.	N.D.	N.D.	N.D.
Conc. Spiked, mg/Kg:	0.20	0.20	0.20	0.60
Matrix Spike, mg/Kg:	0.20	0.20	0.20	0.59
% Recovery:	100	100	100	98
Matrix Spike Duplicate, mg/Kg:	0.20	0.20	0.21	0.60
% Recovery:	100	100	105	100
Relative % Difference:	0.0	0.0	4.9	2.0
RPD Control Limits:	0-25	0-25	0-25	0-25
LCS Batch#:	GC110398BTEXEXB			
Date Prepared:	11/3/98	11/3/98	11/3/98	11/3/98
Date Analyzed:	11/4/98	11/4/98	11/4/98	11/4/98
Instrument I.D.#:	GCHP22	GCHP22	GCHP22	GCHP22
Conc. Spiked, mg/Kg:	0.20	0.20	0.20	0.60
Recovery, mg/Kg:	0.22	0.21	0.21	0.66
LCS % Recovery:	110	105	105	110

Percent Recovery Control Limits:

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

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

Tod Granicher
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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Pacific Environmental Group
2025 Gateway Place, Ste. 440
San Jose, CA 95110
Attention: Tina Berry

Client Project ID: 311-127.1B/5367, 500 Bancroft

QC Sample Group: 9810177

Reported: Nov 6, 1998

QUALITY CONTROL DATA REPORT

Matrix:	Solid
Method:	EPA 8015M
Analyst:	A. PORTER
ANALYTE	Diesel

QC Batch #: GC1029980HBPEXC

Sample No.:	9810183-5
Date Prepared:	10/28/98
Date Analyzed:	10/30/98
Instrument I.D.#:	GCHP5B
Sample Conc., mg/Kg:	10 mg/Kg
Conc. Spiked, mg/Kg:	17
Matrix Spike, mg/Kg:	20
% Recovery:	59
Matrix Spike Duplicate, mg/Kg:	23
% Recovery:	76
Relative % Difference:	25
RPD Control Limits:	0-50

THE MS AND MSD ARE REFERED FROM GC1028980HBPEXB.

LCS Batch#: BLK102998CS

Date Prepared:	10/29/98
Date Analyzed:	11/3/98
Instrument I.D.#:	GCHP4B
Conc. Spiked, mg/Kg:	17
Recovery, mg/Kg:	17
LCS % Recovery:	100

Percent Recovery Control Limits:

MS/MSD	50-150
LCS	60-140

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

Tod Granicher
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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Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attention: Tina Berry

Client Proj. ID: 311-127.1B/5367, 500 Bancoft

Lab Proj. ID: 9810177

Received: 10/27/98

Reported: 11/06/98

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 20 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

EQUOIA ANALYTICAL

d Granicher
oject Manager

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: PEG
REC BY (PRINT): EFG

WORKORDER#: 9810I77
DATE OF LOG-IN: 10/28/98

CIRCLE THE APPROPRIATE RESPONSE

1. Custody Seal(s): Present / (Absent) Intact / Broken*
2. Custody Seal #: Put in Remarks Section
3. Chain-of-Custody: (Present) / Absent*
4. Traffic Reports or Packing List: Present / (Absent)
5. Airbill: Airbill / Sticker Present / (Absent)
6. Airbill #:
7. Sample Tags: (Present) / Absent
   Sample Tags #s: (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: 10/27/98
12. Time Rec. at Lab: 13:10
13. Temp Rec. at Lab: 16°C

LAB SAMPLE #	DASH #	CLIENT IDENTIFICATION	CONTAINER DESCRIPTION	SAMPLE MATRIX	DATE SAMP.	REMARKS: CONDITION (ETC.)
01	A	P-1	1X CORE	S	10/26/98	
02		-2				
03		-3				
04		-4				
05		-5				
06		-6				
07	A	SP1				
	B	2				
	C	3				
	D	4				

10/27/98

*if Circled, contact Project Manager and attach record of resolution.

Revision 6/18/97

Page ____ of ____

LABORATORY SERVICE AGREEMENT

Chain-of-Custody Record

Columbia Analytical Services INC.
An Employee-Owned Company
1-800-695-7222

TOSCO
TO: SEQUOIA

Tosco Site Number 5367
Tosco Site Address 500 Bancroft Ave, San Leandro
Tosco Contact (Name) Tina Berry
(Phone)
Tosco Project Code #
Laboratory Name
Laboratory Work Order
AWO

Consultant Project Number 311-127.13
Consultant Name PES
Address 2025 Gateway Pl. #440 S.J.
Project Contact (Name) Tim Ripp
(Phone) 408 441 7500 (Fax) 408 441 7539
Sample Collected By (Name) Mark Gubala
Collection Date 10/26/98 Signature
Method of Shipment

98 10 I 77

Sample ID Number	Lab Sample Number	Number of Containers	MATRIX S=Soil W=Water A=Air C=Charcoal	TYPE G=Grab C=Composite D=Discrete	Sample Date	Sample Time	Sample Preservation	Analyses To Be Performed: BTEX + TPH GAS +/MTBE (8021/602 + 8015 modified)	TPH (8015 modified) FC / GAS / DIESEL / OIL	BTEX + MTBE (8021/602) (8260)	Oil and Grease (5520) (413.1) (413.2)	Purgeable Halocarbons (8021) (601)	Purgeable Aromatics (8021) (602)	Volatile Organics (8260) (624)	Semi Volatile Organics (8270) (625)	Total Lead	TRPH (418.1)	MTBE Confirmation (8260)	7 TLC Pb		Remarks
P-1 ✓	01	1	S	G	10/26/98	1030		X	X										X		* Composite
P-2 ✓	02	1				1037		X	X										X		SP1 & SP4 into
P-3 ✓	03	1				1046		X	X										X		ONE sample 27.1 37
P-4 ✓	04	1						X	X										X		
P-5 ✓	05	1				1102		X	X										X		
P-6 ✓	06	1				1108		X	X										X		
* SP1 - SP4 ✓	07	4	V	V	V	1130		X	X										X		Accelerate turnaround, per Tim Ripp at PES
																					11/4/98

Special Instructions/Comments:

Deliverable Requirements: ☐ Tier I ☐ Tier II ☐ Tier III

LAB USE ONLY:
Condition of Sample ____ Custody Seals ____
Temperature Received ____ Storage Location ____
Notes ____

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	PES	10/27/98 0700	Kenny Jenkins	PES	10/27/98 0700
Kenny Jenkins	PES	10/27/98		Sequoia	10/27/98 10:10
	PES	10/27/98		Sequoia	10/27/98 13:10

ANALYSIS TAT *(Circle Choice)*
STANDARD - 10 Business Days
RUSH TAT - Surcharges Apply
☐ 5 Days
☐ 72 Hours
☐ 48 Hours
☐ 24 Hours

To be completed upon receipt of report:
1) Were the analyses requested on the Chain of Custody reported? ☐ Yes ☐ No If no, what analyses are still needed? ____
2) Was the report issued within the requested turnaround time? ☐ Yes ☐ No If no, what was the turnaround time? ____
Approved by: ____ Signature: ____ Company: ____ Date: ____