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July 14, 1998 Project 311-058.1B

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

Station Upgrade Activities Re:

> 76 Service Station 5760 376 Lewelling Boulevard at Usher Street San Lorenzo, 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 service station upgrade activities at the site referenced above. The service station upgrade activities included the installation of spill containment sumps on the tops of the existing underground fuel storage tanks, and the replacement of the product dispensers and associated underground product piping.

INSTALLATION OF SPILL CONTAINMENT SUMPS

In May 1998, spill containment sumps were installed at the tops of the existing underground fuel storage tanks by Paradiso Mechanical, Inc. (Paradiso) of San Leandro, California.

Because the underground storage tanks were not removed, and native soils were not exposed, soil sampling was not performed in the area of the fuel tanks.

REMOVAL OF PRODUCT DISPENSERS AND PIPING

Paradiso removed the four product dispensers and the underground product piping from the site prior to the arrival of PEG field personnel on May 27, 1998. The removed product piping was of double-walled fiberglass construction. However, the piping had

to be replaced to achieve an appropriate slope of the piping toward the spill containment sumps on the fuel tanks.

On May 27, 1998, PEG collected four soil samples, designated D-1 through D-4, from beneath the removed dispensers. PEG also collected five soil samples, designated P-1 through P-5, from beneath the removed product piping. Sample locations are shown on Figure 1. Field procedures used during sample collection are described in Attachment A.

The product dispenser and piping samples were analyzed for the presence of total purgeable petroleum hydrocarbons calculated as gasoline (TPPH-g), benzene, toluene, ethylbenzene, xylenes (BTEX compounds), methyl tert-butyl ether (MtBE), and total lead by a state-certified analytical laboratory. Maximum concentrations of 0.020 parts per million (ppm) MtBE and 90 ppm total lead were detected in the soil samples analyzed. The results of laboratory analyses performed on the product dispenser and piping samples are presented in Table 1. The certified analytical report and chain-of-custody documentation are presented as Attachment B.

STOCKPILED SOIL CHARACTERIZATION

Approximately 50 cubic yards of soil generated during the activities described above were stockpiled briefly on site for characterization. Four soil samples, designated SP-1 through SP-4, were collected from the stockpiled soils on May 27, 1998. The four soil samples were composited four-into-one at the analytical laboratory prior to analysis. The resulting composite soil sample was analyzed for TPPH-g, BTEX compounds, MtBE, and total lead. The results of these laboratory analyses are presented in Table 1.

The stockpiled soils were transported to a temporary stockpiling area at the Forward, Inc. (Forward) disposal facility in Manteca, California. The excavated soils were transported to Forward by Denbeste Transportation, Inc. (Denbeste) of Windsor, California, on June 1, 1998. The soils were accepted at the landfill under Forward acceptance number 705122. A total of 67 tons of soil were transported to Forward.

Upon receipt of the analytical results for stockpiled soil sample SP-1(A-D), the soils were transferred to an appropriate area within Forward landfill for disposal.

COMPLETION OF SERVICE STATION UPGRADE ACTIVITIES

Upon completion of the installation of the spill prevention sumps on the existing fuel tanks, Paradiso covered the tanks with the pea gravel which had been removed to expose the tops of the tanks. The area overlying the tank complex was then re-paved.

Upon completion of soil sampling activities in the area of the removed product dispensers and product piping, new product dispensers and underground double-walled fiberglass product piping were installed by Paradiso in the locations of the removed dispensers and piping. Spill containment boxes were fitted beneath the new product dispensers during installation.

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 - Total Petroleum Hydrocarbons

(TPPH as Gasoline, BTEX Compounds, MtBE, and

TTLC Lead)

Figure 1 - Site Map

Attachment A - Field and Laboratory Procedures

Attachment B - Certified Analytical Report and Chain-of-Custody

Documentation

c: Mr. Robert Weston, Alameda County Health Care Services Agency.

Table 1 Soil Analytical Data (TPPH as Gasoline, BTEX Compounds, MtBE, and TTLC Lead)

76 Service Station 5760 376 Lewelling Boulevard at Usher Street San Lorenzo, California

	Sample		TPPH as			Ethyl-	Total		TTLC
Sample	Depth	Date	Gasoline	Benzene	Toiuene	Benzene	Xylenes	MtBE	Lead
ID	(feet)	Sampled	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
In-Situ Soil	Samples:								
D-1	3	05/27/98	ND	ND	ND	ND	ND	ND	7.3
D-2	3	05/27/98	ND	ND	ND	ND	ND	ND	43
D-3	3	05/27/98	ND	ND	ND	ND	ND	ND	ND
D-4	3	05/27/98	ND	ND	ND	ND	ND	0.020	6.7
P-1	2	05/27/98	ND	ND	ND	ND	ND	ND	6.5
P-2	2	05/27/98	ND	ND	ND	ND	ND	ND	90
P-3	2	05/27/98	ND	ND	ND	ND	ND	ND	5.3
P-4	2	05/27/98	ND	ND	ND	ND	ND	ΝD	5.9
P-5	2	05/27/98	ND	ND	ND	ND	ND	ND	7.7
Stockpiled Se	oil Samples:								
SP-(1-4)	NA	05/27/98	ND	ND	ND	ND	ND	NA	26

TPPH = Total purgeable petroleum hydrocarbons

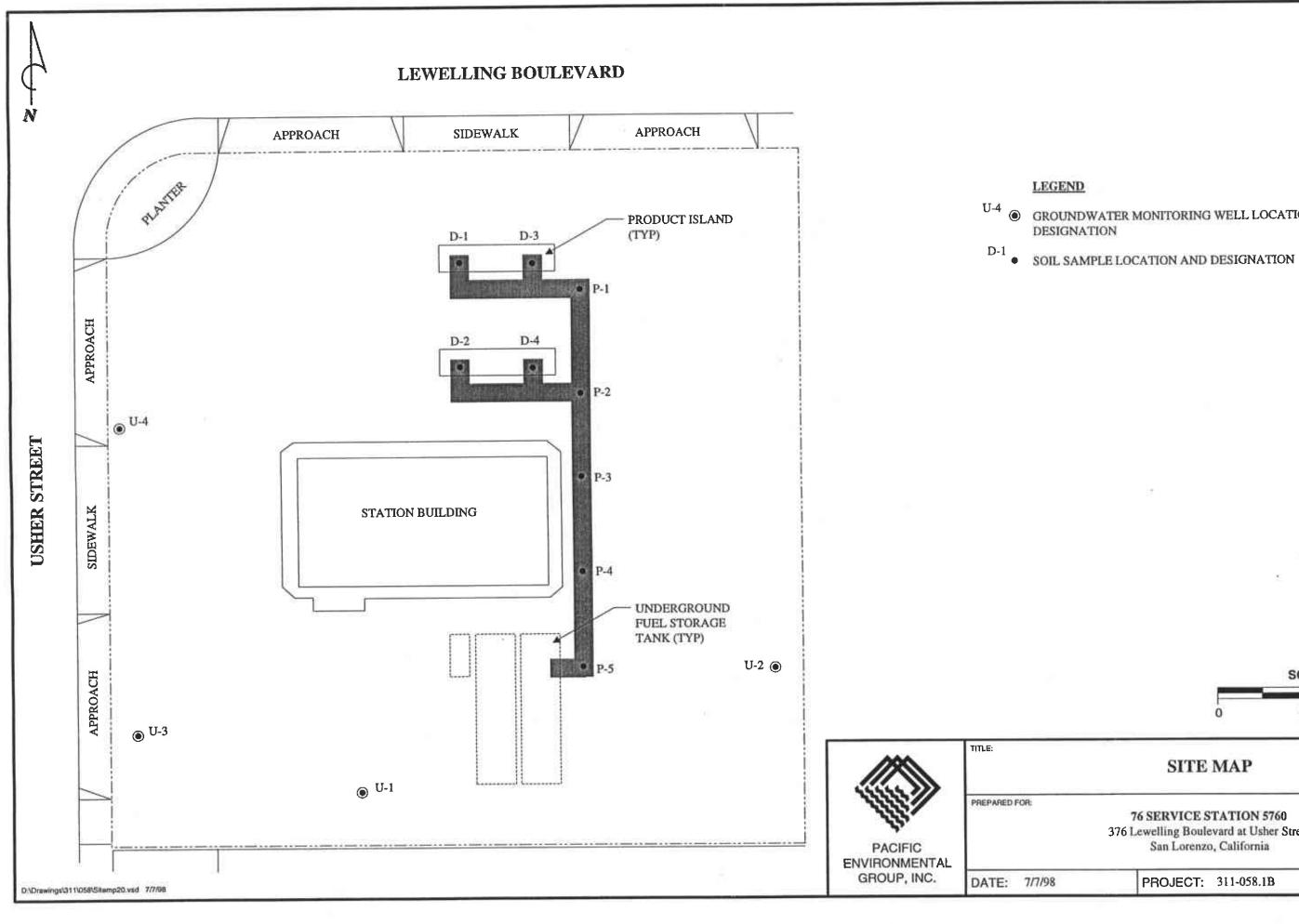
MtBE = Methyl tert-butyl ether

TTLC = Total threshold limit concentration

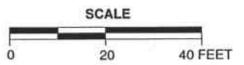
ppm = Parts per million ND = Not detected

NA = Not applicable

Detection limits are indicated in certified analytical reports.



GROUNDWATER MONITORING WELL LOCATION AND



SITE MAP

76 SERVICE STATION 5760 376 Lewelling Boulevard at Usher Street San Lorenzo, California

PROJECT: 311-058.1B

FIGURE: 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.

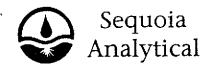
Laboratory Analyses

Soil samples were analyzed for the presence of total purgeable petroleum hydrocarbons calculated as gasoline (TPPH-g) by EPA Method 8015 (modified). Soil samples were also analyzed for the presence of benzene, toluene, ethylbenzene, and xylenes (BTEX compounds), and methyl tert-butyl ether (MtBE) by EPA Method 8020. These analytical methods utilize gas chromatography coupled with a photo-ionization detector or flame-ionization detector.

Prior to analysis for total lead, soil samples were extracted by acid digestion, EPA Method 3050. This extraction method is used to determine the 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 REPORT AND CHAIN-OF-CUSTODY DOCUMENTATION



Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834 Petaluma, CA 94954 (650) 364-9600 (510) 988-9600 (916) 921-9600 (707) 792-1865 FAX (650) 364-9233 FAX (510) 988-9673 FAX (916) 921-0100 FAX (707) 792-0342

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

Client Proj. ID: 311-058.1B/5760, San Lorenzo

Sampled: 05/27/98 Received: 05/28/98

San Jose, CA 95110

Lab Proj. ID: 9805H58

Analyzed: see below

Attention:

Tim Ripp

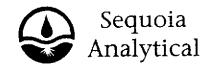
Reported: 06/05/98

LABORATORY ANALYSIS

Analyte	Units	Date Analyzed	Detection Limit	Sample Results
Lab No: 9805H58-01 Sample Desc : SOLID,D-1	No			
Lead by ICP	mg/Kg	06/01/98	5.0	7.3
Lab No: 9805H58-02 Sample Desc : SOLID,D-2				
Lead by ICP	mg/Kg	06/01/98	5.0	43
Lab No: 9805H58-03 Sample Desc : SOLID,D-3				
Lead by ICP	mg/Kg	06/01/98	5.0	N.D.
Lab No: 9805H58-04 Sample Desc : SOLID,D-4				
Lead by ICP	mg/Kg	06/01/98	5.0	6.7
Lab No: 9805H58-05 Sample Desc : SOLID,P-1				
Lead by ICP	mg/Kg	06/01/98	5.0	6.5
Lab No: 9805H58-06 Sample Desc : SOLID,P-2				
Lead by ICP	mg/Kg	06/01/98	5.0	90
Lab No: 9805H58-07 Sample Desc : SOLID,P-3				
Lead by ICP	mg/Kg	06/01/98	5.0	5.3

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

SEQUOIA ANALYTICAL - ELAP #1210



Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834 Petaluma, CA 94954

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

Tim Ripp

Client Proj. ID:

311-058.1B/5760, San Lorenzo

Sampled: 05/27/98 Received: 05/28/98

Attention:

Lab Proj. ID: 9805H58

Analyzed: see below

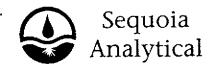
Reported: 06/05/98

LABORATORY ANALYSIS

Analyte	Units	Date Analyzed	Detection Limit	Sample Results
Lab No: 9805H58-08 Sample Desc : SOLID,P-4				· · · · · · · · · · · · · · · · · · ·
Lead by ICP	mg/Kg	06/01/98	5.0	5.9
Lab No: 9805H58-09 Sample Desc : SOLID,P-5				
Lead by ICP	mg/Kg	06/01/98	5.0	7.7
Lab No: 9805H58-10 Sample Desc : SOLID,SP-(1-4)comp				
Lead by ICP	mg/Kg	06/01/98	5.0	26

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: Tim Ripp

Client Proj. ID: 311-058.1B/5760, San Lorenzo

Sample Descript: D-1

Matrix: SOLID

Analysis Method: 8015Mod/8020

Lab Number: 9805H58-01

Sampled: 05/27/98

Received: 05/28/98

Analyzed: 06/02/98 Reported: 06/05/98

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas Methyl t-Butyl Ether Benzene Toluene Ethyl Benzene Xylenes (Total) Chromatogram Pattern:	0.50 0.0050 0.0050 0.0050 0.0050 0.0050	N.D. N.D. N.D. N.D. N.D. N.D.
Surrogates Trifluorotoluene 4-Bromofluorobenzene	Control Limits % 70 130 60 140	% Recovery 120 Q

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

SEQUOIA ANALYTICAL - ELAP #1849

Tod Granicher Project Manager



Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834 Petaluma, CA 94954

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FAX (650) 364-9233 FAX (510) 988-9673 FAX (916) 921-0100 FAX (707) 792-0342

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

Client Proj. ID: 311-058.1B/5760, San Lorenzo Sample Descript: D-2

Sampled: 05/27/98

Matrix: SOLID

Received: 05/28/98

Attention: Tim Ripp

Analysis Method: 8015Mod/8020 Lab Number: 9805H58-02

Analyzed: 06/02/98 Reported: 06/05/98

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas Methyl t-Butyl Ether Benzene Toluene Ethyl Benzene Xylenes (Total) Chromatogram Pattern:	0.50 0.0050 0.0050 0.0050 0.0050 0.0050	N.D. N.D. N.D. N.D. N.D. N.D.
Surrogates Trifluorotoluene 4-Bromofluorobenzene	Control Limits % 70 130 60 140	% Recovery 120 O

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

SEQUOIA ANALYTICAL -ELAP #1849

Tod Granicher Project Manager



Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834 Petaluma, CA 94954

(650) 364-9600 (510) 988-9600 (916) 921-9600 (707) 792-1865

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

Client Proj. ID: Sample Descript: D-3

311-058.1B/5760, San Lorenzo

Sampled: 05/27/98

Matrix: SOLID

Received: 05/28/98

Attention: Tim Ripp

Analysis Method: 8015Mod/8020 Lab Number: 9805H58-03

Analyzed: 06/02/98 Reported: 06/05/98

Analyte	Detection Lii ug/L	nit	Sample Results ug/L
TPPH as Gas	0.50		N.D.
Methyl t-Butyl Ether Benzene	0.0050 0.0050		N.D. N.D.
Toluene	0.0050		N.D. N.D.
Ethyl Benzene	0.0050		N.D.
Xylenes (Total) Chromatogram Pattern:	0.0050		N.D.
Surrogates	Control Limit	s %	% Recovery
Trifluorotoluene	70	130	110
4-Bromofluorobenzene	60	140	Q

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

SEQUOIA ANALYTICAL - ELAP #1849

Tod Granicher Project Manager



Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834 Petaluma, CA 94954

(650) 364-9600 (510) 988-9600 (916) 921-9600 (707) 792-1865

FAX (650) 364-9233 FAX (510) 988-9673 FAX (916) 921-0100 FAX (707) 792-0342

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

Client Proj. ID: 311-058.1B/5760, San Lorenzo Sample Descript: D-4

Sampled: 05/27/98 Received: 05/28/98

Matrix: SOLID

Attention: Tim Ripp

Analysis Method: 8015Mod/8020 Lab Number: 9805H58-04

Analyzed: 06/02/98 Reported: 06/05/98

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas Methyl t-Butyl Ether Benzene Toluene Ethyl Benzene Xylenes (Total) Chromatogram Pattern:	0.50 0.0050 0.0050 0.0050 0.0050 0.0050	N.D. 0.020 N.D. N.D. N.D. N.D.
Surrogates Trifluorotoluene 4-Bromofluorobenzene	Control Limits % 70 60	% Recovery 130 110 140 Q

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

SEQUOIA ANALYTICAL - ELAP #1849

Tod Granicher Project Manager



Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834 Petaluma, CA 94954

(650) 364-9600 (510) 988-9600 (916) 921-9600 (707) 792-1865

FAX (650) 364-9233 FAX (510) 988-9673 FAX (916) 921-0100 FAX (707) 792-0342

Pacific Environmental Group 2025 Gateway Place, Suite 440

Client Proj. ID: 311-058.1B/5760, San Lorenzo Sample Descript: P-1

Sampled: 05/27/98

San Jose, CA 95110

Matrix: SOLID

Received: 05/28/98

Attention: Tim Ripp

Analysis Method: 8015Mod/8020 Lab Number: 9805H58-05

Analyzed: 06/02/98 Reported: 06/05/98

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas Methyl t-Butyl Ether Benzene Toluene Ethyl Benzene Xylenes (Total) Chromatogram Pattern:	0.0050 0.0050 0.0050 0.0050 0.0050 0.0050	N.D. N.D. N.D. N.D. N.D. N.D.
Surrogates Trifluorotoluene 4-Bromofluorobenzene	Control Limits % 70 130 60 140	% Recovery 120 Q

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

SEQUOIA ANALYTICAL - ELAP #1849

Tod Granicher Project Manager



Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834 Petaluma, CA 94954

(650) 364-9600 (510) 988-9600 (916) 921-9600 (707) 792-1865 FAX (650) 364-9233 FAX (510) 988-9673 FAX (916) 921-0100 FAX (707) 792-0342

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

Client Proj. ID: Sample Descript: P-2

311-058.1B/5760, San Lorenzo

Sampled: 05/27/98 Received: 05/28/98

Matrix: SOLID

Analysis Method: 8015Mod/8020

Analyzed: 06/02/98 Reported: 06/05/98

Lab Number: 9805H58-06 Attention: Tim Ripp

Analyte	Detection Limit ug/L	:	Sample Results ug/L	
TPPH as Gas Methyl t-Butyl Ether Benzene Toluene Ethyl Benzene Xylenes (Total) Chromatogram Pattern:	0.50 0.0050 0.0050 0.0050 0.0050 0.0050		N.D. N.D. N.D. N.D. N.D. N.D.	
Surrogates Trifluorotoluene 4-Bromofluorobenzene	Control Limits % 70 60	6 130 140	% Recovery 120 Q	

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

SEQUOIA ANALYTICAL - ELAP #1849

Tod Granicher Project Manager



Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834 Petaluma, CA 94954

(650) 364-9600 (510) 988-9600 (916) 921-9600 (707) 792-1865

FAX (650) 364-9233 FAX (510) 988-9673 FAX (916) 921-0100 FAX (707) 792-0342

Pacific Environmental Group 2025 Gateway Place, Suite 440 San Jose, CA 95110 Client Proj. ID: 311-058.1B/5760, San Lorenzo Sample Descript: P-3

Sampled: 05/27/98

Matrix: SOLID

Received: 05/28/98

Attention: Tim Ripp

Analysis Method: 8015Mod/8020 Lab Number: 9805H58-07

Analyzed: 06/02/98 Reported: 06/05/98

Analyte	Detection Limit ug/L	Sample Results ug/L	
TPPH as Gas Methyl t-Butyl Ether Benzene Toluene Ethyl Benzene Xylenes (Total) Chromatogram Pattern:	0.50 0.0050 0.0050 0.0050 0.0050 0.0050	N.D. N.D. N.D. N.D. N.D. N.D.	
Surrogates Trifluorotoluene 4-Bromofluorobenzene	Control Limits % 70 130 60 140	% Recovery 120 Q	

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

SEQUOIA ANALYTICAL -ELAP #1849

Tod Granicher Project Manager



Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834 Petaluma, CA 94954

(650) 364-9600 (510) 988-9600 (916) 921-9600 (707) 792-1865

FAX (650) 364-9233 FAX (510) 988-9673 FAX (916) 921-0100 FAX (707) 792-0342

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

Client Proj. ID: 311-058.1B/5760, San Lorenzo Sample Descript: P-4

Sampled: 05/27/98 Received: 05/28/98

Matrix: SOLID

Analysis Method: 8015Mod/8020 Attention: Tim Ripp Lab Number: 9805H58-08

Analyzed: 06/02/98 Reported: 06/05/98

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas Methyl t-Butyl Ether Benzene Toluene Ethyl Benzene Xylenes (Total) Chromatogram Pattern:	0.5 0.0050 0.0050 0.0050 0.0050 0.000	N.D. N.D. N.D. N.D. N.D.
Surrogates Trifluorotoluene 4-Bromofluorobenzene	Control Limits % 70 130 60 140	% Recovery 120 Q

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

SEQUOIA ANALYTICAL - ELAP #1849

Tod Granicher Project Manager



Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834 Petaluma, CA 94954

(650) 364-9600 (510) 988-9600 (916) 921-9600 (707) 792-1865

FAX (650) 364-9233 FAX (510) 988-9673 FAX (916) 921-0100 FAX (707) 792-0342

Pacific Environmental Group 2025 Gateway Place, Suite 440

Client Proj. ID: 311-058.1B/5760, San Lorenzo Sample Descript: P-5

Sampled: 05/27/98

San Jose, CA 95110

Matrix: SOLID

Received: 05/28/98

Analysis Method: 8015Mod/8020 Attention: Tim Ripp Lab Number: 9805H58-09

Analyzed: 06/02/98 Reported: 06/05/98

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas Methyl t-Butyl Ether Benzene Toluene Ethyl Benzene Xylenes (Total) Chromatogram Pattern:	0.5 0.0050 0.0050 0.0050 0.0050 0.0050	N.D. N.D. N.D. N.D. N.D. N.D.
Surrogates Trifluorotoluene 4-Bromofluorobenzene	Control Limits % 70 130 60 140	% Recovery 110 O

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

SEQUOIA ANALYTICAL - ELAP #1849

Tod Granicher Project Manager



Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834 Petaluma, CA 94954

(650) 364-9600 (510) 988-9600 (916) 921-9600 (707) 792-1865

FAX (650) 364-9233 FAX (510) 988-9673 FAX (916) 921-0100 FAX (707) 792-0342

Pacific Environmental Group 2025 Gateway Place, Suite 440

San Jose, CA 95110

Attention: Tim Ripp

Client Proj. ID: 311-058.1B/5760, San Lorenzo

Sample Descript: SP-(1-4)comp Matrix: SOLID

Analysis Method: 8015Mod/8020

Lab Number: 9805H58-10

Sampled: 05/27/98

Received: 05/28/98

Analyzed: 06/02/98 Reported: 06/05/98

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas Benzene Toluene Ethyl Benzene Xylenes (Total) Chromatogram Pattern:	1.0 0.0050 0.0050 0.0050 0.0050	N.D. N.D. N.D. N.D. N.D.
Surrogates Trifluorotoluene	Control Limits % 130	% Recovery 110

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

SEQUOIA ANALYTICAL -ELAP #1210

Tod Granicher Project Manager



Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834 Petaluma, CA 94954 (650) 364-9600 (510) 988-9600 (916) 921-9600 (707) 792-1865 FAX (650) 364-9233 FAX (510) 988-9673 FAX (916) 921-0100 FAX (707) 792-0342

Pacific Environmental Group 2025 Gateway Place, Suite 440

Client Project ID:

311-058.1B/5760, San Lorenzo

Matrix:

SOLID

San Jose, CA 95110 Attention: Tim Ripp

Work Order #:

9805H58 01-10

Reported:

Jun 15, 1998

QUALITY CONTROL DATA REPORT

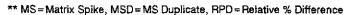
Analyte:	Benzene	Toluene		Ethylbenzene	Xylenes	
QC Batch#:	06Y8023	06Y8023		06Y8023	06Y8023	
Analy. Method:	EPA 8015M/8020	EPA 8015M/8020		EPA 8015M/80	EPA 8015M/8020	
Prep. Method:	EPA 5030	EPA 5030		EPA 5030	EPA 5030	
Analyst:	N.A.	N.A.		N.A.	N.A.	
LCS/LCSD #:	LCS060298	LCS060498		LCS060498	LCS060498	
Sample Conc.:	N.D.	N.D.		N.D.	N.D.	
Prepared Date:	N.A.	N.A.		N.A.	N.A.	
Analyzed Date:	6/2/98	6/2/98		6/2/98	6/2/98	
nstrument I.D.#:	N.A.	N.A.		N.A.	N.A.	
Conc. Spiked:	0.010 mg/Kg	0.010 mg/Kg		0.010 mg/Kg	0.010 mg/Kg	
Result:	0.011	0.011		0.010	0.012	
LCS % Recov.:	110	110		100	120	
Dup. Result:	0.011	0.010	: .	0.0096	0.010	
LCSD % Recov:	110	100		96	100	
RPD:	0.0	10		4.1	18	
RPD Limit:	0-25	0-25		0-25	0-25	

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

SEQUOIA ANALYTICAL ELAP #1849

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.







Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834 Petaluma, CA 94954

(650) 364-9600 (510) 988-9600 (916) 921-9600 (707) 792-1865 FAX (650) 364-9233 FAX (510) 988-9673 FAX (916) 921-0100 FAX (707) 792-0342

Pacific Environmental Group 2025 Gateway Place, Suite 440

Client Project ID:

311-058.1B/5760, San Lorenzo

Matrix:

SOLID

San Jose, CA 95110 Attention: Tim Ripp

Work Order #:

9805H58 01

Reported:

Jun 15, 1998

QUALITY CONTROL DATA REPORT

QC Batch#: Analy. Method: Prep. Method:	ME0601986010MDE EPA 6010 EPA 3050	ME0601986010MDE EPA 6010	ME0601986010MDE	ME0601986010MDE	
		EPA 6010			
Prep. Method:	EPA 3050		EPA 6010	EPA 6010	
		EPA 3050	EPA 3050	EPA 3050	
Analyst:	C. Caoile	C. Caoile	C. Capile	C. Caoile	
MS/MSD #:	980543602	980543602	980543602	980543602	
Sample Conc.:	N.D.	N.D.	42	32	
Prepared Date:	6/1/98	6/1/98	6/1/98	6/1/98	
Analyzed Date:	6/1/98	6/1/98	6/1/98	6/1/98	
Instrument I.D.#:	MTJA5	MTJA5	MTJA5	MTJA5	
Conc. Spiked:	50 mg/Kg	50 mg/Kg	50 mg/Kg	50 mg/Kg	
Result:	43	45	91	78	
MS % Recovery:	86	90	98	92	
Dup. Result:	43	45	98	77	
MSD % Recov.:	86	90	110	90	
RPD:	0.0	0.0	7.4	1.3	
RPD Limit:	0-20	0-20	0-20	0-20	
		-		V V	
LCS #:	BLK060198	BI K060198			

LCS #:	BLK060198	BLK060198	BLK060198	BLK060198
Prepared Date:	6/1/98	6/1/98	6/1/98	6/1/98
Analyzed Date:	6/1/98	6/1/98	6/1/98	6/1/98
nstrument I.D.#:	MTJA5	MTJA5	MTJA5	MTJA5
Conc. Spiked:	50 mg/Kg	50 mg/Kg	50 mg/Kg	50 mg/Kg
LCS Result:	47	48	48	48
LCS % Recov.:	94	96	96	96
			_	
MS/MSD	80-120	80-120	80-120	80-120
LCS Control Limits	80-120	80-120	80-120	80-120

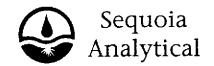
SEQUOIA ANALYTICAL

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.

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





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FAX (650) 364-9233 FAX (510) 988-9673 FAX (916) 921-0100 FAX (707) 792-034Z

Pacific Environmental Group 2025 Gateway Place, Suite 440 San Jose, CA 95110 Attention: Tim Ripp

Client Proj. ID: 311-058.1B/5760, San Lorenzo

Received: 05/28/98

Lab Proj. ID: 9805H58

Reported: 06/05/98

LABORATORY NARRATIVE

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

SEQUOIA ANALYTICAL

CLIENT NAME: REC. BY (PRINT)	EIB.	ementā/	<u> </u>	WORKORDER: DATE OF LOG-IN:	<u>9</u> 805 µ	58 577543		
CIRCLE THE APPROPR 1. Custody Seal(s)	Present (Absent Intact / Broken*	LAB SAMPLE #	DASH #	CLIENT IDENTIFICATION	CONTAINER DESCRIPTION	SAMPLE MATRIX	DATE SAMP.	REMARKS: CONDITION (ETC.)
2. Custody Seal #:	Put in Remarks Section	7	<u>1</u> - <u>1</u>	D- /	exere	extist	0/11/98	
3. Chain-of-Custody	Present / Absent*	3		3				
Traffic Reports or Packing List:	Present / Absert	y 5		V 4 P-1				
5. Airbill:	Airbill / Sticker Present (Absent)	6		2				
6. Airbill #:		7 8	-	3				
7. Sample Tags:	Present / Absent	9		7				
Sample Tags #s	Cisted / Not Listed on Chain-of-Custody	(U	45	SP - 1				
8. Sample Condition:	Intact / Broken* / Leaking*		13 F	2 3				
Does information on custody reports, traffic	, '	V	Da	V 9	V		V	
reports and sample tags agree?	(Yes) / No*			<u> </u>				
Proper Preservatives used:	(Yes) No*				1-28-98	10B		
1. Date Rec. at Lab:	1-28-98							
2. Time Rec. at Lab:	1630							
3. Temp Rec. at Lab:	14°C							

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

Revision 6/18/97 RCPTLOG.XLS

Page _/_ of _/_

UNOCAL 76

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☐ East 11115 Montgomery, Suite B • Spokane, WA 99206 • (509) 924-9200
☐ 15055 S.W. Sequoia Pkwy, Suite 110 • Portland, OR 97222 • (503) 624-9800

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Consultant Company:	Pacific	E,	പാര്ഷ	らっかられ	fal.	Project Name: Unoca / # 5 768	
Address: シロスケ	Gaten	2aV	Pla	٩٥٣	Suite 440	UNOCAL Project Manager: 7, ng Berry	1
City: San Jose	State:	CA		Zip Code:	95/10	AFE #:	┨_
Telephone: (408)	441-750	<i>\</i> 0				Site #, City, State: 376 Lewelling Blud, San Lorenzo, CA	Clien
Report To: Tim	Ripp	Sampler	^	•	roteau	QC Data: Level D (Standard) Level C Level B Level A	7 7
Turnaround 10 Work						Prinking Water Analyses Requested (&2 5458	Ę
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CODE: A Misc. Det	ect. 🚨 Eval. 🛚	⊒ Remed	J. 🗖 De	emol. 🖵 Cl			
	Date/Time	Matrix	# of	Cont.	Laborator		7
Sample I.D.	Sampled	Desc.	Cont.	Type	Sample #	Comments	│
8. Hi = D-1 - 5	27/98	Soil	<u> </u>	3X6222			Laboratory
2. D-2 - 1					3] ģ
3. D-3 ~ N					کـ	X X X X	_] •
14/ D-4-4					<u>ــــــــــــــــــــــــــــــــــــ</u>		Yellow
5. p-1 v					5	XXXXX	_ ✓
6. p-2: V					6	XXXX	1
7. P-3-V					7	XXXX	1
8. P-4-2	$\sqrt{}$				8		†
9. P-50V		$\sqrt{}$	$ \sqrt{} $		Q.		1
10.				T			atory
							oora
Relinquished By:	men Lo	lan	Date	5/27/2	Time: 4, 4	Received By: A Date: 5 R 98 Time: ID: 30 AN	إي
Relinquished By.	blich	·	Date:	= 198hz	Time: 10.99	Date 5/20/90 Time: 1:25	White
Relinquished By:	Mac		Date	<i>5177</i> /7	, Time:	Received By Lab: 1698 James Date: 1/4/28 Time: 1630	-
Were Samples Received in	n Good Conditi	on? 🗀 Ye	s 🗆 No	Sa	mples on Ice	? □ Yes □ No Method of Shipment Page _ of _	_
To be completed upon rec 1) Were the analyses 2) Was the report issu	requested on	the Chair	of Cus	tody report	ted? `Cı Yes C Cı Yes Cı No	I No If no, what analyses are still needed?	
						Date:	

UNOCAL 76

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- ☐ 15055 S.W. Sequoia Pkwy, Suite 110 Portland, OR 97222 (503) 624-9800

Consultant Company:	Pacific	E	nuic	onne	nta		roject	Name:	· (Inc) C a	1	#	52	76O		
Address: えつみょ	Gateu		Plac	<u>e</u> (Suite	440	JNOCA	L Proj				100				/	
City: San Jo		CA		Zip Code:	9511	0 /	\FE #:				······································		.1		1		
Telephone: (ソロタ)	441-750	0		_			Site #, C	ity, St	ate: 🍃	376	Leu	clli	75 L	Bluck	, Sa	n Lorenzo,	CH
Report To: Tim	Ripo.			ren !											_evel E		· · · · · · ·]
Turnaround ☐ 10 W Time: ☐ 2 Wo	· ·	Vork Days Vork Day	: 🗀 3 V	Vork Days Hours		🗅 Dri	nking V ste Wa	√ater ter 4		,	,			equeste	ed		·
CODE: 🗆 Misc. 🗀 (Detect. 🛭 Eval,	☐ Remed	d. 🗖 De	emol. 🖵 Ct	osure	Oth		13	02/4	79°V	erd						
Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type		oratory mple #	/sq	× ,6)/	9/X	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\						Comm	ents
1. SP-1	5/27/98	Soil	1	2X6 brass		([X]	X	X							Composi	te
2. SP-2					1	nposite	ĮΧ	X	X				ļ			Samples	SF/
3. Sp. 3					4,	<u> </u>	ĮΧ	ΙX	X	7			<u> </u>			SP2, SP	-3,
4. SP-4	V	V	$_{-}$	V			LX.	X	X				<u> </u>	ļ		SP-4, 4	$\frac{\dot{x}}{\lambda}$
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To be completed upon 1) Were the analy 2) Was the report	ses requested or issued within the	the Chair requester	d turnar	ound time?	Ye	s □ No	lf no, w	hat wa	s the t	urnard	re still ound ti	neede me? _	d?				
Approved by:			S	ignature: .					Comr	oanv:						Date:	