



PACIFIC
ENVIRONMENTAL
GROUP, INC.

Handwritten initials

November 6, 1995
Project 310-058.5A

Mr. Robert Cave
Permit Services Division
Bay Area Air Quality Management District
939 Ellis Street
San Francisco, California 94109

Re: BAAQMD Authority to Construct 14994 Start-up Results
Unocal Service Station 5760
376 Lewelling Boulevard at Usher Street
San Lorenzo, California

Dear Mr. Cave:

On behalf of Unocal Corporation (Unocal), Pacific Environmental Group, Inc. (PACIFIC) is operating a soil vapor extraction (SVE) and treatment system (S-1 and A-4 and A-5, respectively) at the site referenced above. The SVE system utilizes two 1000-pound carbon adsorption vessels arranged in series for vapor abatement. This letter presents SVE influent and effluent sampling results for the first 3 days of SVE system operation. SVE sampling results verify that the SVE system is in compliance with permit conditions.

Influent and effluent vapor samples were collected on October 18 through 20, 1995 and sent to Sequoia Analytical, a California State-certified laboratory. The samples were analyzed for total purgeable petroleum hydrocarbons (TPPH) and benzene, toluene, ethylbenzene, and xylenes (BTEX compounds) using EPA Method 8015/8020. SVE system effluent sampling results were non-detectable for all constituents analyzed. Certified analytical reports and chain-of-custody documentation for both influent and effluent samples are included as Attachment A.

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November 6, 1995

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If you have any questions or require any addition information, please do not hesitate to call.

Sincerely,

Pacific Environmental Group, Inc.



Suzanne McClurkin-Nelson
Staff Scientist



Charles York
Senior Staff Engineer

Attachments: Table 1 - Soil Vapor Extraction System Start-Up Results
Attachment A - Certified Analytical Reports and Chain-of-Custody
Documentation

cc: Ms. Tina Berry, Unocal Corporation
Ms. Amy Leach, Alameda County Health Care Services Environmental
Health Department

Table 1
Soil Vapor Extraction System Start-Up Results

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

Date Sampled	Hourmeter Reading (hours)	Flow Rate (scfm)	TPPH as Gasoline				Benzene			
			Influent Concentration (ppmv)	Effluent Concentration (ppmv)	Destruction Efficiency (percent)	Emission Rate (lbs/day)	Influent Concentration (ppmv)	Effluent Concentration (ppmv)	Destruction Efficiency (percent)	Emission Rate (lbs/day)
10/18/95 a	0.00	40	87	ND	97.3	0.04	0.95	ND	97.0	0.0004
10/19/95	5.50	40	149	ND	98.4	0.04	2.4	ND	98.8	0.0004
10/20/95	33.95	55	45	ND	94.7	0.05	0.49	ND	94.1	0.0005

TPPH = Total purgeable petroleum hydrocarbons
 scfm = Standard cubic feet per minute
 ppmv = Parts per million by volume, converted from micrograms per liter
 lbs = Pounds
 ND = Not detected above detection limit
 a. SVE system start-up on October 18, 1995 (carbon)
 All emission calculations for non-detected concentrations are calculated using the detection limit.
 Destruction efficiency [%] = $[(1 - (\text{effluent concentration}/\text{influent concentration})) * 100]$

ATTACHMENT A

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



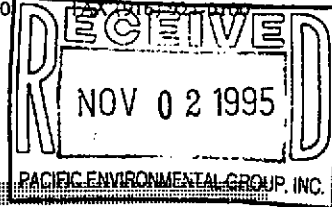
**Sequoia
Analytical**

680 Chesapeake Drive
404 N. Wiget Lane
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FAX (415) 364-9233
FAX (510) 988-9673



Pacific Environmental Group 2025 Gateway Place, Suite 440 San Jose, CA 95110	Client Proj. ID: 310-058.3A/5760, San Lorenzo Sample Descript: Infl Matrix: AIR Analysis Method: 8015Mod/8020 Lab Number: 9510D77-01	Sampled: 10/18/95 Received: 10/19/95 Analyzed: 10/20/95 Reported: 10/31/95
Attention: Maree Doden		

QC Batch Number: GC102095BTEX02A
Instrument ID: GCHP02

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	370
Benzene	0.50	3.3
Toluene	0.50	4.7
Ethyl Benzene	0.50	7.5
Xylenes (Total)	0.50	23
Chromatogram Pattern: Unidentified HC		Gas <C8
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	126

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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Pacific Environmental Group 2025 Gateway Place, Suite 440 San Jose, CA 95110 Attention: Maree Doden	Client Proj. ID: 310-058.3A/5760, San Lorenzo Sample Descript: Effl Matrix: AIR Analysis Method: 8015Mod/8020 Lab Number: 9510D77-02	Sampled: 10/18/95 Received: 10/19/95 Analyzed: 10/20/95 Reported: 10/31/95
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QC Batch Number: GC102095BTEX02A
Instrument ID: GCHP02

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	10	N.D.
Benzene	0.10	N.D.
Toluene	0.10	N.D.
Ethyl Benzene	0.10	N.D.
Xylenes (Total)	0.10	N.D.
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

B Fletcher

Brucie Fletcher
Project Manager



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Pacific Environmental Group 2025 Gateway Place, Suite 440 San Jose, CA 95110	Client Proj. ID: 310-058.3A/5760, San Lorenzo Sample Descript: U-1 Matrix: AIR Analysis Method: 8015Mod/8020 Lab Number: 9510D77-03	Sampled: 10/18/95 Received: 10/19/95 Analyzed: 10/20/95 Reported: 10/31/95
Attention: Maree Doden		

QC Batch Number: GC102095BTEX03A
Instrument ID: GCHP03

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	10	130
Benzene	0.10	1.8
Toluene	0.10	4.7
Ethyl Benzene	0.10	3.2
Xylenes (Total)	0.10	13
Chromatogram Pattern:		Gas
Unidentified HC		<C8
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	116

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

SEQUOIA ANALYTICAL - ELAP #1210

Bruce Fletcher
Project Manager



**Sequoia
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Pacific Environmental Group 2025 Gateway Place, Suite 440 San Jose, CA 95110	Client Proj. ID: 310-058.3A/5760, San Lorenzo Sample Descript: U-3 Matrix: AIR Analysis Method: 8015Mod/8020 Lab Number: 9510D77-04	Sampled: 10/18/95 Received: 10/19/95 Analyzed: 10/20/95 Reported: 10/31/95
Attention: Maree Doden		

QC Batch Number: GC102095BTEX17A
Instrument ID: GCHP17

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	100	420
Benzene	1.0	5.8
Toluene	1.0	2.6
Ethyl Benzene	1.0	14
Xylenes (Total)	1.0	62
Chromatogram Pattern:		Gas
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	119

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

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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: 310-058.3A/5760, San Lorenzo

Work Order #: 9510D77 01, 02

Reported: Nov 1, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC102095BTEX02A	GC102095BTEX02A	GC102095BTEX02A	GC102095BTEX02A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	D. Jirsa	D. Jirsa	D. Jirsa	D. Jirsa
MS/MSD #:	9510A0602	9510A0602	9510A0602	9510A0602
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	10/20/95	10/20/95	10/20/95	10/20/95
Analyzed Date:	10/20/95	10/20/95	10/20/95	10/20/95
Instrument I.D.#:	GCHP2	GCHP2	GCHP2	GCHP2
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	9.9	9.7	9.9	30
MS % Recovery:	99	97	99	100
Dup. Result:	9.7	9.5	9.8	30
MSD % Recov.:	97	95	98	100
RPD:	2.0	2.1	1.0	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	71-133	72-128	72-130	71-120
Control Limits				

Please Note:

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

SEQUOIA ANALYTICAL

B Fletcher

Brucie Fletcher
Project Manager

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

9510D77.PPP <1>



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

Client Project ID: 310-058.3A/5760, San Lorenzo

Work Order #: 9510D77 03

Reported: Nov 1, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC102095BTEX03A	GC102095BTEX03A	GC102095BTEX03A	GC102095BTEX03A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	D. Jirsa	D. Jirsa	D. Jirsa	D. Jirsa
MS/MSD #:	9510A0602	9510A0602	9510A0602	9510A0602
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	10/20/95	10/20/95	10/20/95	10/20/95
Analyzed Date:	10/20/95	10/20/95	10/20/95	10/20/95
Instrument I.D.#:	GCHP3	GCHP3	GCHP3	GCHP3
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	9.8	9.7	9.6	29
MS % Recovery:	98	97	96	97
Dup. Result:	9.3	9.2	9.1	27
MSD % Recov.:	93	92	91	90
RPD:	5.2	5.3	5.3	7.1
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	71-133	72-128	72-130	71-120
Control Limits				

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SEQUOIA ANALYTICAL

B Fletcher

Brucie Fletcher
Project Manager

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

9510D77.PPP <2>



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

Client Project ID: 310-058.3A/5760, San Lorenzo

Work Order #: 9510D77 04

Reported: Nov 1, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC102095BTEX17A	GC102095BTEX17A	GC102095BTEX17A	GC102095BTEX17A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	D. Jirsa	D. Jirsa	D. Jirsa	D. Jirsa
MS/MSD #:	9510A0602	9510A0602	9510A0602	9510A0602
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	10/20/95	10/20/95	10/20/95	10/20/95
Analyzed Date:	10/20/95	10/20/95	10/20/95	10/20/95
Instrument I.D.#:	GCHP17	GCHP17	GCHP17	GCHP17
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	9.7	8.1	7.8	23
MS % Recovery:	97	81	78	77
Dup. Result:	9.2	9.2	9.0	27
MSD % Recov.:	92	92	90	90
RPD:	5.3	13	14	16
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	71-133	72-128	72-130	71-120
Control Limits				

Please Note:

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

SEQUOIA ANALYTICAL

B Fletcher
Bruce Fletcher
Project Manager

Company Name: Doc. Edu. Grp. Inc. Project Name: 379 Lewelling Blvd, San Lorenzo
 Address: 2025 Gateway Dr. #440 UNOCAL Project Manager: Tina Berry
 City: San Jose State: CA Zip Code: 95110 Release #: 310-058.3A
 Telephone: 408441790 FAX #: 4084417539 Site #: 5760
 Report To: Robert Cattino Sampler: Mark Gubrud QC Data: Level D (Standard) Level C Level B Level A
 Turnaround Time: 10 Work Days 5 Work Days 3 Work Days 2 Work Days 1 Work Day 2-8 Hours
 Drinking Water 9510077 Waste Water Other AIR **Analyses Requested**

CODE: Misc. Detect. Eval. Remed. Demol. Closure

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Laboratory Sample #	Comments
1. <u>INFL</u>	<u>10/18/95 12:00</u>	<u>AIR</u>	<u>1</u>	<u>BOG</u>	<u>01</u>	
2. <u>EFFL</u>	<u>13:17</u>				<u>02</u>	
3. <u>U-1</u>	<u>12:31</u>				<u>03</u>	
4. <u>U-3</u>	<u>12:29</u>				<u>04</u>	
5.						
6.						
7.						
8.						
9.						
10.						

Relinquished By: [Signature] Date: 10/19/95 Time: 7:11 Received By: [Signature] Date: 10/19/95 Time: 07:30
 Relinquished By: [Signature] Date: 10/19/95 Time: 09:45 Received By: SR Date: 10/19/95 Time: 9:45 AM
 Relinquished By: SR Date: 10/19/95 Time: 11:50 Received By Lab: Fly.6 Date: 10/19/95 Time: 11:48

Were Samples Received in Good Condition? Yes No Samples on Ice? Yes No Method of Shipment _____ Page 1 of 1

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: _____

Pink - Client
Yellow - Laboratory
White - Laboratory



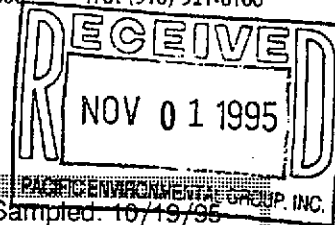
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Pacific Environmental Group 2025 Gateway Place, Suite 440 San Jose, CA 95110	Client Proj. ID: 310-058.3A/5760, San Lorenzo Sample Descript: INFL Matrix: AIR Analysis Method: 8015Mod/8020 Lab Number: 9510E88-01	Sampled: 10/19/95 Received: 10/20/95 Analyzed: 10/23/95 Reported: 10/26/95
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QC Batch Number: GC102395BTEX17A
Instrument ID: GCHP17

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	100	630
Benzene	1.0	8.4
Toluene	1.0	8.7
Ethyl Benzene	1.0	17
Xylenes (Total)	1.0	50
Chromatogram Pattern:		Gas

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	127

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

SEQUOIA ANALYTICAL - ELAP #1210

B Fletcher

Brucie Fletcher
Project Manager



Pacific Environmental Group 2025 Gateway Place, Suite 440 San Jose, CA 95110	Client Proj. ID: 310-058.3A/5760, San Lorenzo Sample Descript: EFFL Matrix: AIR Analysis Method: 8015Mod/8020 Lab Number: 9510E88-02	Sampled: 10/19/95 Received: 10/20/95 Analyzed: 10/20/95 Reported: 10/26/95
Attention: Maree Doden		

QC Batch Number: GC102095BTEX03A
Instrument ID: GCHP03

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	10	N.D.
Benzene	0.10	N.D.
Toluene	0.10	N.D.
Ethyl Benzene	0.10	N.D.
Xylenes (Total)	0.10	N.D.
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	98

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

SEQUOIA ANALYTICAL - ELAP #1210

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: 310-058.3A/5760, San Lorenzo

Work Order #: 9510E88 01

Reported: Oct 30, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC102395BTEX17A	GC102395BTEX17A	GC102395BTEX17A	GC102395BTEX17A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	B. Sullivan	B. Sullivan	B. Sullivan	B. Sullivan
MS/MSD #:	9510A0604	9510A0604	9510A0604	9510A0604
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	10/23/95	10/23/95	10/23/95	10/23/95
Analyzed Date:	10/23/95	10/23/95	10/23/95	10/23/95
Instrument I.D.#:	GCHP17	GCHP17	GCHP17	GCHP17
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	8.7	8.6	7.8	28
MS % Recovery:	87	86	78	96
Dup. Result:	9.2	9.0	8.1	29
MSD % Recov.:	92	90	81	100
RPD:	5.6	4.5	3.8	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	71-133	72-128	72-130	71-120
LCS				
Control Limits				

Please Note:

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SEQUOIA ANALYTICAL

Brucie Fletcher
Project Manager

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

9510E88.PPP <1>



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

Client Project ID: 310-058.3A/5760, San Lorenzo

Work Order #: 9510E88 02

Reported: Oct 30, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC102095BTEX03A	GC102095BTEX03A	GC102095BTEX03A	GC102095BTEX03A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	D. Jirsa	D. Jirsa	D. Jirsa	D. Jirsa
MS/MSD #:	9510A0602	9510A0602	9510A0602	9510A0602
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	10/20/95	10/20/95	10/20/95	10/20/95
Analyzed Date:	10/20/95	10/20/95	10/20/95	10/20/95
Instrument I.D.#:	GCHP3	GCHP3	GCHP3	GCHP3
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	9.8	9.7	9.6	29
MS % Recovery:	98	97	96	97
Dup. Result:	9.3	9.2	9.1	27
MSD % Recov.:	93	92	91	90
RPD:	5.2	5.3	5.3	7.1
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	71-133	72-128	72-130	71-120

Please Note:

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

SEQUOIA ANALYTICAL

B Fletcher

Brucie Fletcher
Project Manager

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

9510E88.PPP <2>

Company Name: DAC. ENV. GRP. Project Name: 376 KEN KILLING BLVD, SAN LORENZO
 Address: 2025 GATEWAY PL. #444 UNOCAL Project Manager: Tina Berry
 City: SAN JOSE State: CA. Zip Code: 95110 Release #: 310-058.3A
 Telephone: 408 444 7500 FAX #: 408 444 7539 Site #: 5760
 Report To: Robert Giattino Sampler: Mark Gubral QC Data: Level D (Standard) Level C Level B Level A

Turnaround: 10 Work Days 5 Work Days 3 Work Days
 Time: 2 Work Days 1 Work Day 2-8 Hours
 CODE: Misc. Detect. Eval. Remed. Demol. Closure
 Drinking Water Waste Water Other AIR

Analyses Requested: 9510ESS

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Laboratory Sample #	Comments				
1. <u>INFL</u>	<u>10/19/95 10:50</u>	<u>Air</u>	<u>1</u>	<u>Bag</u>	<u>1</u>	<u>COST/BEX</u>				
2. <u>EFFL</u>	<u>10/19/95 10:50</u>	<u>Air</u>	<u>1</u>	<u>Bag</u>	<u>2</u>					
3.										
4.										
5.										
6.										
7.										
8.										
9.										
10.										

Relinquished By: <u>[Signature]</u>	Date: <u>10/19/95</u>	Time: <u>1334</u>	Received By: <u>[Signature]</u>	Date: <u>10/19/95</u>	Time: <u>1334</u>
Relinquished By: <u>[Signature]</u>	Date: <u>10-20-95</u>	Time: <u>12:00</u>	Received By: <u>[Signature]</u>	Date: <u>10/20/95</u>	Time: <u>10:45 AM</u>
Relinquished By: <u>[Signature]</u>	Date:	Time:	Received By Lab: <u>[Signature]</u>	Date: <u>10/20/95</u>	Time: <u>1203</u>

Were Samples Received in Good Condition? Yes No
 Samples on Ice? Yes No
 Method of Shipment: _____
 Page 1 of 1

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: _____



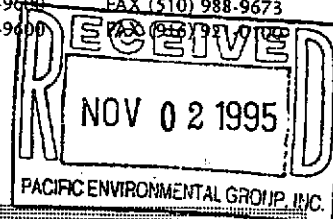
**Sequoia
Analytical**

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

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

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

FAX (415) 364-9233
FAX (510) 988-9673



Pacific Environmental Group 2025 Gateway Place, Suite 440 San Jose, CA 95110	Client Proj. ID: 310-058.3A/5760, San Lorenzo Sample Descript: INFL Matrix: AIR Analysis Method: 8015Mod/8020 Lab Number: 9510F23-01	Sampled: 10/20/95 Received: 10/20/95 Analyzed: 10/23/95 Reported: 10/31/95
Attention: Maree Doden		

QC Batch Number: GC102395BTEX17A
Instrument ID: GCHP17

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	100	190
Benzene	1.0	1.7
Toluene	1.0	3.8
Ethyl Benzene	1.0	6.2
Xylenes (Total)	1.0	27
Chromatogram Pattern:		Gas
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

B Fletcher

Brucie Fletcher
Project Manager



Sequoia Analytical

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Pacific Environmental Group 2025 Gateway Place, Suite 440 San Jose, CA 95110	Client Proj. ID: 310-058.3A/5760, San Lorenzo Sample Descript: EFFL Matrix: AIR Analysis Method: 8015Mod/8020 Lab Number: 9510F23-02	Sampled: 10/20/95 Received: 10/20/95 Analyzed: 10/23/95 Reported: 10/31/95
Attention: Maree Doden		

QC Batch Number: GC102395BTEX17A
Instrument ID: GCHP17

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	10	N.D.
Benzene	0.10	N.D.
Toluene	0.10	N.D.
Ethyl Benzene	0.10	N.D.
Xylenes (Total)	0.10	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

Brucie Fletcher
Project Manager



Sequoia Analytical

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FAX (916) 921-0100

Pacific Environmental Group 2025 Gateway Place, Suite 440 San Jose, CA 95110 Attention: Maree Doden	Client Project ID: 310-058.3A/5760, San Lorenzo	Work Order #: 9510F23 01, 02	Reported: Nov 1, 1995
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QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC102395BTEX17A	GC102395BTEX17A	GC102395BTEX17A	GC102395BTEX17A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	B. Sullivan	B. Sullivan	B. Sullivan	B. Sullivan
MS/MSD #:	9510A0604	9510A0604	9510A0604	9510A0604
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	10/23/95	10/23/95	10/23/95	10/23/95
Analyzed Date:	10/23/95	10/23/95	10/23/95	10/23/95
Instrument I.D.#:	GCHP17	GCHP17	GCHP17	GCHP17
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	8.7	8.6	7.8	29
MS % Recovery:	87	86	78	97
Dup. Result:	9.2	9.0	8.1	30
MSD % Recov.:	92	90	81	100
RPD:	5.6	4.5	3.8	3.3
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	71-133	72-128	72-130	71-120
LCS				
Control Limits				

Please Note:

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

SEQUOIA ANALYTICAL

Bruce Fletcher
Project Manager

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

9510F23.PPP <1>

Company Name: PACIFIC ENVIRONMENTAL GROUP			Project Name: 376 LEWELLING BLVD, SAN LEANDRO		
Address: 2025 GATEWAY PL, STE 440			UNOCAL Project Manager:		
City: SAN JOSE	State: CA	Zip Code: 95110	Release #: 310-0583A		
Telephone: 408 441-7500		FAX #: 408 441-7539		Site #:	
Report To: ROBERT GIATTINO		Sampler: JOHN MADDOX		QC Data: <input checked="" type="checkbox"/> Level D (Standard) <input type="checkbox"/> Level C <input type="checkbox"/> Level B <input type="checkbox"/> Level A	

Turnaround <input checked="" type="checkbox"/> 70 Work Days <input type="checkbox"/> 5 Work Days <input type="checkbox"/> 3 Work Days	Analyses Requested <input type="checkbox"/> Drinking Water <input type="checkbox"/> Waste Water <input type="checkbox"/> Other
Time: <input type="checkbox"/> 2 Work Days <input type="checkbox"/> 1 Work Day <input type="checkbox"/> 2-8 Hours	
CODE: <input type="checkbox"/> Misc. <input type="checkbox"/> Detect. <input type="checkbox"/> Eval. <input checked="" type="checkbox"/> Remed. <input type="checkbox"/> Demol. <input type="checkbox"/> Closure	

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Laboratory Sample #	Comments									
1. INPZ	10/20/95/1515	AIR	1	BAG	01	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> 8015/8020 GAS </div> <div style="float: right; border: 1px solid black; padding: 5px; margin-top: 10px;"> 9510F2 </div>									
2. EFF	10/20/95/1510	↓	↓	↓	02										
3.															
4.															
5.															
6.															
7.															
8.															
9.															
10.															

Relinquished By: [Signature]	Date: 10/20/95	Time: 17:15	Received By: [Signature]	Date:	Time:
Relinquished By: [Signature]	Date:	Time:	Received By: [Signature]	Date:	Time:
Relinquished By: [Signature]	Date:	Time:	Received By Lab: [Signature]	Date: 10/20/95	Time: 17:13

Were Samples Received in Good Condition? Yes No
 Samples on Ice? Yes No
 Method of Shipment: _____
 Page **1** of **1**

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: _____

Pink - Client
 Yellow - Laboratory
 White - Laboratory