

**SEMCO**  
1741 Leslie Street  
San Mateo, CA 94402

TO:

Alameda County- Enviro Health

1131 Harbor Bay Parkway Ste 250

Alameda CA 94502

ATTN:

Eva Chu

PLEASE FIND ENCLOSED THE SOIL ANALYSIS FOR:

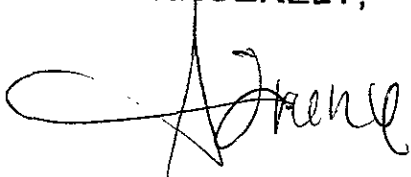
801 Buena Vista Ave

Alameda, CA

A FINAL REPORT CONTAINING MANIFEST(S) AND SAMPLE LOCATIONS WILL BE FORWARDED TO YOU AFTER COMPILATION OF ALL RECEIPTS, DOCUMENTS AND PERMITS PERTAINING TO THIS TANK REMOVAL.

SAMPLE MAP INCLUDED

SINCERELY,





# GeoAnalytical Laboratories, Inc.

1031 Kansas Avenue  
Modesto, CA 95351

Phone (209) 572-0900  
FAX (209) 572-0916

## CERTIFICATE OF ANALYSIS

BTEX & Gas

Report # F189-07  
Semco  
1217 S 7th Street  
Modesto CA 95351

Date: 07/12/94  
Date Received: 07/08/94  
Date Started: 07/12/94  
Date Completed: 07/12/94

Project # 94-3792

Project Name: Bob Lewis

Sample ID: #1-9'

Lab ID: F21286

Method	Detection Limit	Analyte	Results
8020	500 $\mu\text{g}/\text{Kg}$	Benzene	ND $\mu\text{g}/\text{Kg}$
		Toluene	ND
		Ethyl Benzene	4700
		Total Xylenes	13000
5030/LUFT	250 $\text{mg}/\text{Kg}$	Gasoline	1400 $\text{mg}/\text{Kg}$

Although the hydrocarbon mixture present in this sample does not match our gasoline standard, it has been quantitated as gasoline since it is composed of hydrocarbons of similar carbon number.

Richard Meissner  
Chemist

Certification # E757

Donna Allsup  
Laboratory Director



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Date Received: 07/08/94  
Date Started: 07/12/94  
Date Completed: 07/12/94

Project # 94-3792

Project Name: Bob Lewis

Sample ID: #2-12'6"

Lab ID: F21287

Method	Detection Limit	Analyte	Results
8020	5.0 $\mu\text{g}/\text{Kg}$	Benzene	ND $\mu\text{g}/\text{Kg}$
		Toluene	ND
		Ethyl Benzene	ND
		Total Xylenes	6.4
5030/LUFT	2.5 $\text{mg}/\text{Kg}$	Gasoline	ND $\text{mg}/\text{Kg}$

Richard Meissner  
Chemist

Certification # E757

Donna Allsup  
Laboratory Director



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Report# F189-07

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Modesto CA 95351

Date: 07/12/94

Date Received: 07/08/94

Date Started: 07/12/94

Date Completed: 07/12/94

Project# 94-3792

Project Name: Bob Lewis

Sample ID: Spoils A, Spoils B, Spoils C, Spoils D

Lab ID: F21288, F21289, F21290, F21291 Composite

Method	Detection Limit	Analyte	Results
8020	100 $\mu\text{g}/\text{Kg}$	Benzene	ND $\mu\text{g}/\text{Kg}$
		Toluene	190
		Ethyl Benzene	1100
		Total Xylenes	2600
5030/LUFT	50 $\text{mg}/\text{Kg}$	Gasoline	310 $\text{mg}/\text{Kg}$

Although the hydrocarbon mixture present in this sample does not match our gasoline standard, it has been quantitated as gasoline since it is composed of hydrocarbons of similar carbon number.

*Richard Meissner*  
Richard Meissner  
Chemist

Certification # E757

*Donna Allsup*  
Donna Allsup  
Laboratory Director



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## CERTIFICATE OF ANALYSIS

TEPH

Report # F189-07

Semco

1217 S 7th Street  
Modesto CA 95351

Date: 07/12/94

Date Received: 07/08/94

Date Started: 07/11/94

Date Completed: 07/11/94

Project # 94-3792

Project Name: Bob Lewis

Sample ID: #1-9'

Lab ID: F21286

Method	Detection Limit mg/Kg	Analyte	Results mg/Kg
3550 LUFT	5.0	Kerosene	ND
	5.0	Diesel	ND
	50	Motor Oil	ND

*Richard Sereno*  
Richard Sereno  
Chemist

Certification # E757

*Donna Allsup*  
Donna Allsup  
Laboratory Director



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Date Completed: 07/11/94

Project# 94-3792

Project Name: Bob Lewis

Sample ID: Spoils A, Spoils B, Spoils C, Spoils D

Lab ID: F21288, F21289, F21290, F21291 Composite

Method	Detection Limit mg/Kg	Analyte	Results mg/Kg
3550 LUFT	5.0	Kerosene	ND
	5.0	Diesel	ND
	50	Motor Oil	100

*Richard Sereno*  
Richard Sereno  
Chemist

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*Donna Allsup*  
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Lab ID: F21288, F21289, F21290, F21291 Composite

Method	Detection Limit		Analyte	Results	
9040	NA	NA	Corrosivity (pH)	6.94	NA
1010	70	°F.	Ignitability	>230	°F.
ASTM 5038L	NA	NA	Reactive towards water	ND	NA
ASTM 5058L	NA	NA	Reactivity towards acid	ND	NA
ASTM 5058L	NA	NA	Reactivity towards base	ND	NA
9010	0.25	mg/Kg	Cyanide	ND	mg/Kg
9030	1.0	mg/Kg	Sulfide	ND	mg/Kg

*Ramiro Salgado*  
Ramiro Salgado  
Chemist

Certification # E757

*Donna Allsup*  
Donna Allsup  
Laboratory Director



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## CERTIFICATE OF ANALYSIS

ICAP Metals

Report# F189-07  
Semco  
1217 S 7th Street  
Modesto CA 95351

Date: 07/12/94  
Date Received: 07/08/94  
Date Started: 07/08/94  
Date Completed: 07/12/94

Project# 94-3792  
Sample ID: #1-9'

Project Name: Bob Lewis

Lab ID: F21286

Method	Detection Limit mg/Kg	Analyte	Results mg/Kg
7420	5.0	Lead	6
6010	0.5	Cadmium	ND
6010	1.0	Chromium	25
6010	2.5	Nickel	36
6010	2.5	Zinc	26

*Ramiro Salgado*  
Ramiro Salgado  
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Project# 94-3792

Project Name: Bob Lewis

Sample ID: Spoils A, Spoils B, Spoils C, Spoils D

Lab ID: F21288, F21289, F21290, F21291 Composite

Method	Detection Limit mg/Kg	Analyte	Results mg/Kg
7420	5.0	Lead	8
6010	0.5	Cadmium	ND
6010	1.0	Chromium	32
6010	2.5	Nickel	29
6010	2.5	Zinc	75

  
Ramiro Salgado  
Chemist

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Date Completed: 07/12/94

Project # 94-3792

Project Name: Bob Lewis

Sample ID: #1-9'

Lab ID: F21286

Method	Detection Limit mg/Kg	Analyte	Results mg/Kg
413.2	50	OIL & GREASE	85

*Richard Sereno*  
Richard Sereno  
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Date Completed: 07/12/94

Project # 94-3792

Project Name: Bob Lewis

Sample ID: Spoils A, Spoils B, Spoils C, Spoils D

Lab ID: F21288, F21289, F21290, F21291 Composite

Method	Detection Limit mg/Kg	Analyte	Results mg/Kg
413.2	50	OIL & GREASE	130

*Richard Sereno*  
Richard Sereno  
Chemist

Certification # E757

*Donna Allsup*  
Donna Allsup  
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## CERTIFICATE OF ANALYSIS

8270

Report #: F189-07

Sample ID: Spoils A, Spoils B, Spoils C, Spoils D

Lab ID: F21288, F21289, F21290, F21291 Composite

Method	Detection Limit mg/Kg	Analyte	Results mg/Kg
8270	0.05	Acenaphthene	ND
	0.25	2,4-Dinitrophenol	ND
	0.25	4-Nitrophenol	ND
	0.05	Dibenzofuran	ND
	0.05	2,4-Dinitrotoluene	ND
	0.05	2,6-Dinitrotoluene	ND
	0.05	Diethylphthalate	ND
	0.05	4-Chlorophenyl-phenylether	ND
	0.05	Fluorene	ND
	0.25	4-Nitroaniline	ND
	0.25	4,6-Dinitro-2-methylphenol	ND
	0.05	N-Nitrosodiphenylamine	ND
	0.05	4-Bromophenyl-phenylether	ND
	0.05	Hexachlorobenzene	ND
	0.25	Pentachlorophenol	ND
	0.05	Phenanthrene	ND
	0.05	Anthracene	ND
	0.05	Di-n-butylphthalate	ND
	0.05	Fluoranthene	ND
	0.05	Pyrene	ND
	0.05	Butylbenzylphthalate	ND
	0.10	3,3'-Dichlorobenzidine	ND
	0.05	Benzo[a]anthracene	ND
	0.05	Bis(2-Ethylhexyl)phthalate	ND
	0.05	Chrysene	ND
	0.05	Di-n-octylphthalate	ND
	0.05	Benzo[b]fluoranthene	ND
	0.05	Benzo[k]fluoranthene	ND
	0.05	Benzo[a]pyrene	ND
	0.05	Indeno[1,2,3-c,d]pyrene	ND
	0.05	Dibenzo[a,h]anthracene	ND
	0.05	Benzo[g,h,i]perylene	ND

*Richard Sereno*  
Richard Sereno  
Chemist

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Page 2 of 2

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Laboratory Director



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## CERTIFICATE OF ANALYSIS

8270

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Date: 07/13/94

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Modesto CA 95351

Date Received: 07/08/94

Date Started : 07/11/94

Date Completed: 07/12/94

Project# 94-3792

Project Name: Bob Lewis

Sample ID: Spoils A, Spoils B, Spoils C, Spoils D

Lab ID: F21288, F21289, F21290, F21291 Composite

Method	Detection Limit mg/Kg	Analyte	Results mg/Kg
8270	0.05	Phenol	ND
	0.05	Bis(2-Chloroethyl)ether	ND
	0.05	2-Chlorophenol	ND
	0.05	1,3-Dichlorobenzene	ND
	0.05	1,4-Dichlorobenzene	ND
	0.10	Benzyl Alcohol	ND
	0.05	1,2-Dichlorobenzene	ND
	0.05	2-Methylphenol	ND
	0.05	Bis(2-Chloroisopropyl)ether	ND
	0.05	4-Methylphenol	ND
	0.05	N-Nitroso-di-n-propylamine	ND
	0.05	Hexachloroethane	ND
	0.05	Nitrobenzene	ND
	0.05	Isophorone	ND
	0.05	2-Nitrophenol	ND
	0.05	2,4-Dimethylphenol	ND
	0.25	Benzoic Acid	ND
	0.05	Bis(2-Chloroethoxy)methane	ND
	0.05	2,4-Dichlorophenol	ND
	0.05	1,2,4-Trichlorobenzene	ND
	0.05	Naphthalene	ND
	0.10	4-Chloroaniline	ND
	0.05	Hexachlorobutadiene	ND
	0.10	4-Chloro-3-methylphenol	ND
	0.05	2-Methylnaphthalene	ND
	0.05	Hexachlorocyclopentadiene	ND
	0.05	2,4,6-Trichlorophenol	ND
	0.05	2,4,5-Trichlorophenol	ND
	0.05	2-Chloronaphthalene	ND
	0.25	2-Nitroaniline	ND
	0.05	Dimethylphthalate	ND
	0.05	Acenaphthylene	ND
	0.25	3-Nitroaniline	ND



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## CERTIFICATE OF ANALYSIS

8270

Report #: F189-07

Sample ID: #1-9'

Lab ID: F21286

Method	Detection Limit mg/Kg	Analyte	Results mg/Kg
8270	0.05	Acenaphthene	ND
	0.25	2,4-Dinitrophenol	ND
	0.25	4-Nitrophenol	ND
	0.05	Dibenzofuran	ND
	0.05	2,4-Dinitrotoluene	ND
	0.05	2,6-Dinitrotoluene	ND
	0.05	Diethylphthalate	ND
	0.05	4-Chlorophenyl-phenylether	ND
	0.05	Fluorene	ND
	0.25	4-Nitroaniline	ND
	0.25	4,6-Dinitro-2-methylphenol	ND
	0.05	N-Nitrosodiphenylamine	ND
	0.05	4-Bromophenyl-phenylether	ND
	0.05	Hexachlorobenzene	ND
	0.25	Pentachlorophenol	ND
	0.05	Phenanthrene	ND
	0.05	Anthracene	ND
	0.05	Di-n-butylphthalate	ND
	0.05	Fluoranthene	ND
	0.05	Pyrene	ND
	0.05	Butylbenzylphthalate	ND
	0.10	3,3'-Dichlorobenzidine	ND
	0.05	Benzo[a]anthracene	ND
	0.05	Bis(2-Ethylhexyl)phthalate	ND
	0.05	Chrysene	ND
	0.05	Di-n-octylphthalate	ND
	0.05	Benzo[b]fluoranthene	ND
	0.05	Benzo[k]fluoranthene	ND
	0.05	Benzo[a]pyrene	ND
	0.05	Indeno[1,2,3-c,d]pyrene	ND
	0.05	Dibenzo[a,h]anthracene	ND
	0.05	Benzo[g,h,i]perylene	ND

*Richard Sereno*

Richard Sereno  
Chemist

Certification # E757

Page 2 of 2

*Donna Alisup*

Donna Alisup  
Laboratory Director



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## CERTIFICATE OF ANALYSIS

8270

Report # F189-07

Semco  
1217 S 7th Street  
Modesto CA 95351

Date: 07/13/94

Date Received: 07/08/94

Date Started: 07/11/94

Date Completed: 07/12/94

Project# 94-3792

Project Name: Bob Lewis

Sample ID: #1-9'

Lab ID: F21286

Method	Detection Limit mg/Kg	Analyte	Results mg/Kg
8270	0.05	Phenol	ND
	0.05	Bis(2-Chloroethyl)ether	ND
	0.05	2-Chlorophenol	ND
	0.05	1,3-Dichlorobenzene	ND
	0.05	1,4-Dichlorobenzene	ND
	0.10	Benzyl Alcohol	ND
	0.05	1,2-Dichlorobenzene	ND
	0.05	2-Methylphenol	ND
	0.05	Bis(2-Chloroisopropyl)ether	ND
	0.05	4-Methylphenol	ND
	0.05	N-Nitroso-di-n-propylamine	ND
	0.05	Hexachloroethane	ND
	0.05	Nitrobenzene	ND
	0.05	Isophorone	ND
	0.05	2-Nitrophenol	ND
	0.05	2,4-Dimethylphenol	ND
	0.25	Benzoic Acid	ND
	0.05	Bis(2-Chloroethoxy)methane	ND
	0.05	2,4-Dichlorophenol	ND
	0.05	1,2,4-Trichlorobenzene	ND
	0.05	Naphthalene	ND
	0.10	4-Chloroaniline	ND
	0.05	Hexachlorobutadiene	ND
	0.10	4-Chloro-3-methylphenol	ND
	0.05	2-Methylnaphthalene	ND
	0.05	Hexachlorocyclopentadiene	ND
	0.05	2,4,6-Trichlorophenol	ND
	0.05	2,4,5-Trichlorophenol	ND
	0.05	2-Chloronaphthalene	ND
	0.25	2-Nitroaniline	ND
	0.05	Dimethylphthalate	ND
	0.05	Acenaphthylene	ND
	0.25	3-Nitroaniline	ND

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*RHONDA*

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## CHAIN OF CUSTODY

**C6768**

Client SEMCO  
Address 1217 S. 7th St.  
MODESTO, CA. Zip 95307

Phone 524-9653  
CC to: \_\_\_\_\_

LAV Report # \_\_\_\_\_

PROJECT ID				No. of containers	ANALYSIS							REMARKS
BOB LEWIS 94-3792					TPH-G	TPH-D	BTEX	TDS-1	ICAP-5	TOTAL LEAD	RCT	
Date	Time	sample type		Sample ID								
		Grab	Comp									
7/8	1:39	✓		#1-9'	1	X	X	X	X	X	X	
7/8	1:52	✓		#2-12.6"	1	X	X	X	X	X	X	* - R
7/8	2:00	✓		SPOILS A	1	X	X	X	X	X	X	} COMPOSITE A,B,C,D AS ONE
7/8	2:01	✓		SPOILS B	1	X	X	X	X	X	X	
7/8	2:02	✓		SPOILS C	1	X	X	X	X	X	X	
7/8	2:03	✓		SPOILS D	1	X	X	X	X	X	X	
											* Run TOTAL LEAD ON SAMPLE #2 AT 12.6" ONLY IF SAMPLE #1 AT 9' EXCEEDS TEN TIMES THRESHOLD LIMIT CONCENTRATION	

Relinquished by (signature): <i>James Otterson</i>	Date: <i>7/8/94</i>	Time: <i>6:00</i>	Received by (signature): <i>[Signature]</i>	Date: <i>7/8/94</i>	Time: <i>6:00</i>
Relinquished by (signature):	Date:	Time:	Received by (signature):	Date:	Time:
Relinquished by (signature):	Date:	Time:	Received by (signature):	Date:	Time:
Relinquished by (signature):	Date:	Time:	Received by (signature):	Date:	Time:
Relinquished by (signature):	Date:	Time:	Received by (signature):	Date:	Time:
Site Time:	Start:      Finish:      Total Hours:		Driving Time:	Start:      Finish:      Total Hours:	

Mileage \_\_\_\_\_ Approved By \_\_\_\_\_