

431 West Hatch Road  
Modesto, California 95351  
(209) 524-9653  
FAX (209) 524-0503

1741 Leslie Street  
San Mateo, California 94402  
(415) 572-8033  
FAX (415) 572-9734

SEMCO  
James C. Bateman Petroleum Services Inc.  
General Engineering and Environmental Contractor  
License NO. 449864 A, B, C-61, D-40  
(800) 533-9293

Date: June 18, 1991

To: Gary Malyn

734 Limerick Land

Alameda, CA 94501

REGARDING:

Job Name: Precision Tune

Job Location: 3810 Broadway

Oakland, CA

91 JUN 19 5:11:48

WE ARE SENDING YOU THE FOLLOWING ITEMS:

Laboratory Analysis                       Chain of Custody

Hazardous Waste Manifest                       Tank Disposition Record

Remarks: \_\_\_\_\_

Copy: County of Alameda

80 Swan Way, Room 200

Oakland, CA 94621

Signed: Karen Pederson

# SUPERIOR ANALYTICAL LABORATORY, INC.

1555 BURKE, UNIT I • SAN FRANCISCO, CA 94124 • PHONE (415) 647-2081

DHS #1332

## C E R T I F I C A T E   O F   A N A L Y S I S

LABORATORY NO.: 53639  
CLIENT: SEMCO  
CLIENT JOB NO.: PRECISION TUNE

DATE RECEIVED: 05/17/91  
DATE REPORTED: 05/28/91  
REPORT REVISED: 05/30/91

### ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS by Modified EPA SW-846 Method 8015

LAB #	Sample Identification	Concentration (mg/kg) Diesel Range
1	#1-550	66*
2	#2-550	ND<10
3	#3-550	ND<10
4	#4-550	ND<10
5	#5-550	960

*} consistent samples*  
*Comp. sample*

\* - Does not match typical Diesel pattern.  
mg/kg - parts per million (ppm)

Minimum Detection Limit for Diesel in Soil: 10mg/kg

#### QAQC Summary:

Daily Standard run at 200mg/L: %DIFF Diesel = <15%  
MS/MSD Average Recovery = 76%: Duplicate RPD = 3.0%

Richard Srna, Ph.D.

*Cecilia G. Joergensen (for)*  
Laboratory Director

OUTSTANDING QUALITY AND SERVICE

# SUPERIOR ANALYTICAL LABORATORY, INC.

1555 BURKE, UNIT I • SAN FRANCISCO, CA 94124 • PHONE (415) 647-2081

DHS #1332

## C E R T I F I C A T E   O F   A N A L Y S I S

LABORATORY NO.: 53639  
CLIENT: SEMCO  
CLIENT JOB NO.: PRECISONTUNE

DATE RECEIVED: 05/17/91  
DATE REPORTED: 05/28/91

### ANALYSIS FOR TOTAL PETROLEUM OIL AND GREASE by Method 5520F (formerly 503E)

LAB #	Sample Identification	Concentration (mg/kg) Total oil & grease
1	#1-550	630
2	#2-550	83
3	#3-550	69
4	#4-550	ND<50
5	#5-550	3000

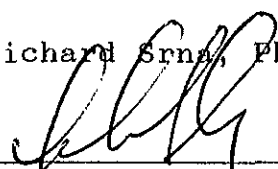
*East side*  
*} congenator sample*  
*comp. sample.*

mg/kg - parts per million (ppm)

Minimum Detection Limit for oil & grease in Soil: 50mg/kg

QAQC Summary:  
MS/MSD average recovery = 93%  
Duplicate RPD = 1.1%

Richard Srna, Ph.D.

  
Laboratory Director

OUTSTANDING QUALITY AND SERVICE

# SUPERIOR ANALYTICAL LABORATORY, INC.

1555 BURKE, UNIT I • SAN FRANCISCO, CA 94124 • PHONE (415) 647-2081

DHS #1332

## C E R T I F I C A T E O F A N A L Y S I S

LABORATORY NO.: 53639  
CLIENT: SEMCO  
CLIENT JOB NO.: PRECISONTUNE

DATE RECEIVED: 05/17/91  
DATE REPORTED: 05/28/91

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS  
by Modified EPA SW-846 Method 5030 and 8015

LAB #	Sample Identification	Concentration (mg/kg) Gasoline Range
1	#1-550	ND<1
2	#2-550	ND<1
3	#3-550	ND<1 <i>7 congenitors</i>
4	#4-550	ND<1
5	#5-550	400

mg/kg - parts per million (ppm)

Minimum Detection Limit for Gasoline in Soil: 1mg/kg

### QAQC Summary:

Daily Standard run at 2mg/L: %DIFF Gasoline = <15%  
MS/MSD Average Recovery = 83%: Duplicate RPD = 3.7%

Richard Srna, Ph.D.

  
Laboratory Director

OUTSTANDING QUALITY AND SERVICE

# SUPERIOR ANALYTICAL LABORATORY, INC.

1555 BURKE, UNIT I • SAN FRANCISCO, CA 94124 • PHONE (415) 647-2081

DHS #1332

## C E R T I F I C A T E   O F   A N A L Y S I S

LABORATORY NO.: 53639  
CLIENT: SEMCO  
CLIENT JOB NO.: PRECISONTUNE

DATE RECEIVED: 05/17/91  
DATE REPORTED: 05/28/91

ANALYSIS FOR BENZENE, TOLUENE, ETHYL BENZENE & XYLENES  
by EPA SW-846 Methods 5030 and 8020

LAB #	Sample Identification	Concentration(ug/kg)			
		Benzene	Toluene	Ethyl Benzene	Xylenes
1	#1-550	3	ND<3	ND<3	13
2	#2-550	ND<3	ND<3	ND<3	ND<3
3	#3-550	ND<3	ND<3	ND<3	ND<3
4	#4-550	ND<3	ND<3	ND<3	ND<3
5	#5-550	ND<150	3200	2900	23000

*completely*

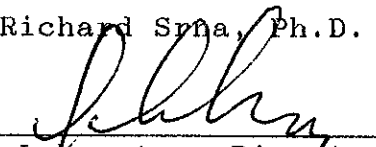
ug/kg - parts per billion (ppb)

Minimum Detection Limit in Soil: 3.0ug/kg

### QAQC Summary:

Daily Standard run at 20ug/L: %DIFF = <15%  
MS/MSD Average Recovery = 90% : Duplicate RPD = 6.8%

Richard Srna, Ph.D.



Laboratory Director

OUTSTANDING QUALITY AND SERVICE

# SUPERIOR ANALYTICAL LABORATORY, INC.

1555 BURKE, UNIT I • SAN FRANCISCO, CA 94124 • PHONE (415) 647-2081

DHS #1332

## C E R T I F I C A T E O F A N A L Y S I S

LABORATORY NO.: 53639-1  
 CLIENT: SEMCO  
 JOB NO.: Precision Tune

DATE SAMPLED: 05/15/91  
 DATE RECEIVED: 05/17/91  
 DATE ANALYZED: 05/23/91

EPA SW-846 METHOD 8010  
 HALOGENATED VOLATILE ORGANICS  
 SAMPLE: #1-550

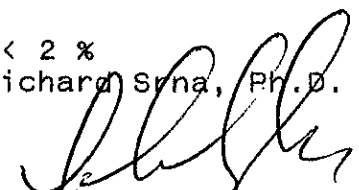
Compound	MDL (ug/kg)	RESULTS (ug/kg)
Chloromethane/Vinyl Chloride	10	ND
Bromomethane/Chloroethane	10	ND
Trichlorofluoromethane	5	ND
1,1-Dichloroethene	5	ND
Methylene Chloride	5	39
trans-1,2-Dichloroethene	5	ND
1,1-Dichloroethane	5	ND
Chloroform	5	ND
1,1,1-Trichloroethane	5	ND
Carbon tetrachloride	5	ND
1,2-Dichloroethane	5	ND
Trichloroethylene	5	ND
1,2-Dichloropropane	5	ND
Bromodichloromethane	5	ND
Cis-1,3-Dichloropropene	5	ND
trans-1,3-Dichloropropene	5	ND
1,1,2-Trichloroethane	5	ND
Tetrachloroethene	5	ND
Dibromochloromethane	5	ND
Chlorobenzene	5	ND
Bromoform	5	ND
1,1,2,2-Tetrachloroethane	5	ND
1,3-Dichlorobenzene	5	ND
1,2-Dichlorobenzene	5	8
1,4-Dichlorobenzene	5	ND
Cis-1,2-Dichloroethene	5	ND

MDL = Method Detection Limit  
 ug/kg = parts per billion (ppb)

QA/QC Summary: Daily Standard %DIFF = <15%

MS/MSD average recovery = 105 % :MS/MSD RPD = < 2 %

Richard Srna, Ph.D.

  
 Laboratory Director

OUTSTANDING QUALITY AND SERVICE

# SUPERIOR ANALYTICAL LABORATORY, INC.

1555 BURKE, UNIT I • SAN FRANCISCO, CA 94124 • PHONE (415) 647-2081

DHS #1332

## C E R T I F I C A T E   O F   A N A L Y S I S

LABORATORY NO.: 53639-2  
CLIENT: SEMCO  
JOB NO.: Precision Tune

DATE SAMPLED: 05/15/91  
DATE RECEIVED: 05/17/91  
DATE ANALYZED: 05/23/91

EPA SW-846 METHOD 8010  
HALOGENATED VOLATILE ORGANICS  
SAMPLE: #2-550

Compound -----	MDL (ug/kg) -----	RESULTS (ug/kg) -----
Chloromethane/Vinyl Chloride	10	ND
Bromomethane/Chloroethane	10	ND
Trichlorofluoromethane	5	ND
1,1-Dichloroethene	5	ND
Methylene Chloride	5	ND
trans-1,2-Dichloroethene	5	ND
1,1-Dichloroethane	5	ND
Chloroform	5	ND
1,1,1-Trichloroethane	5	ND
Carbon tetrachloride	5	ND
1,2-Dichloroethane	5	ND
Trichloroethylene	5	ND
1,2-Dichloropropane	5	ND
Bromodichloromethane	5	ND
Cis-1,3-Dichloropropene	5	ND
trans-1,3-Dichloropropene	5	ND
1,1,2-Trichloroethane	5	ND
Tetrachloroethene	5	ND
Dibromochloromethane	5	ND
Chlorobenzene	5	ND
Bromoform	5	ND
1,1,2,2-Tetrachloroethane	5	ND
1,3-Dichlorobenzene	5	ND
1,2-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	5	ND
Cis-1,2-Dichloroethene	5	ND

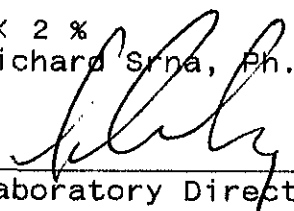
MDL = Method Detection Limit

ug/kg = parts per billion (ppb)

QA/QC Summary: Daily Standard %DIFF = <15%

MS/MSD average recovery = 105 % :MS/MSD RPD = < 2 %

Richard Srna, Ph.D.

  
Laboratory Director

OUTSTANDING QUALITY AND SERVICE

# SUPERIOR ANALYTICAL LABORATORY, INC.

1555 BURKE, UNIT I • SAN FRANCISCO, CA 94124 • PHONE (415) 647-2081

DHS #1332

## C E R T I F I C A T E O F A N A L Y S I S

LABORATORY NO.: 53639-3  
CLIENT: SEMCO  
JOB NO.: Precision Tune

DATE SAMPLED: 05/15/91  
DATE RECEIVED: 05/17/91  
DATE ANALYZED: 05/23/91

EPA SW-846 METHOD 8010  
HALOGENATED VOLATILE ORGANICS  
SAMPLE: #3-550

Compound -----	MDL (ug/kg) -----	RESULTS (ug/kg) -----
Chloromethane/Vinyl Chloride	10	ND
Bromomethane/Chloroethane	10	ND
Trichlorofluoromethane	5	ND
1,1-Dichloroethene	5	ND
Methylene Chloride	5	ND
trans-1,2-Dichloroethene	5	ND
1,1-Dichloroethane	5	ND
Chloroform	5	ND
1,1,1-Trichloroethane	5	ND
Carbon tetrachloride	5	ND
1,2-Dichloroethane	5	ND
Trichloroethylene	5	ND
1,2-Dichloropropane	5	ND
Bromodichloromethane	5	ND
Cis-1,3-Dichloropropene	5	ND
trans-1,3-Dichloropropene	5	ND
1,1,2-Trichloroethane	5	ND
Tetrachloroethene	5	ND
Dibromochloromethane	5	ND
Chlorobenzene	5	ND
Bromoform	5	ND
1,1,2,2-Tetrachloroethane	5	ND
1,3-Dichlorobenzene	5	ND
1,2-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	5	ND
Cis-1,2-Dichloroethene	5	ND

MDL = Method Detection Limit

ug/kg = parts per billion (ppb)

QA/QC Summary: Daily Standard %DIFF = <15%

MS/MSD average recovery = 105 % :MS/MSD RPD = < 2 %

Richard Srna, Ph.D.

  
Laboratory Director

OUTSTANDING QUALITY AND SERVICE



# SUPERIOR ANALYTICAL LABORATORY, INC.

1555 BURKE, UNIT I • SAN FRANCISCO, CA 94124 • PHONE (415) 647-2081

DHS #1332

## C E R T I F I C A T E O F A N A L Y S I S

LABORATORY NO.: 53639-4  
 CLIENT: SEMCO  
 JOB NO.: Precision Tune

DATE SAMPLED: 05/15/91  
 DATE RECEIVED: 05/17/91  
 DATE ANALYZED: 05/23/91

EPA SW-846 METHOD 8010  
 HALOGENATED VOLATILE ORGANICS  
 SAMPLE: #4-550

Compound -----	MDL (ug/kg) -----	RESULTS (ug/kg) -----
Chloromethane/Vinyl Chloride	10	ND
Bromomethane/Chloroethane	10	ND
Trichlorofluoromethane	5	ND
1,1-Dichloroethene	5	ND
Methylene Chloride	5	ND
trans-1,2-Dichloroethene	5	ND
1,1-Dichloroethane	5	ND
Chloroform	5	ND
1,1,1-Trichloroethane	5	ND
Carbon tetrachloride	5	ND
1,2-Dichloroethane	5	ND
Trichloroethylene	5	ND
1,2-Dichloropropane	5	ND
Bromodichloromethane	5	ND
Cis-1,3-Dichloropropene	5	ND
trans-1,3-Dichloropropene	5	ND
1,1,2-Trichloroethane	5	ND
Tetrachloroethene	5	ND
Dibromochloromethane	5	ND
Chlorobenzene	5	ND
Bromoform	5	ND
1,1,2,2-Tetrachloroethane	5	ND
1,3-Dichlorobenzene	5	ND
1,2-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	5	ND
Cis-1,2-Dichloroethene	5	ND

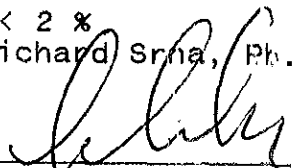
MDL = Method Detection Limit

ug/kg = parts per billion (ppb)

QA/QC Summary: Daily Standard %DIFF = <15%

MS/MSD average recovery = 105 % :MS/MSD RPD = < 2 %

Richard Srna, Ph.D.

  
 Laboratory Director

OUTSTANDING QUALITY AND SERVICE

# SUPERIOR ANALYTICAL LABORATORY, INC.

1555 BURKE, UNIT I • SAN FRANCISCO, CA 94124 • PHONE (415) 647-2081

DHS #1332

## C E R T I F I C A T E   O F   A N A L Y S I S

LABORATORY NO.: 53639-5  
CLIENT: SEMCO  
JOB NO.: Precision Tune

DATE SAMPLED: 05/15/91  
DATE RECEIVED: 05/17/91  
DATE ANALYZED: 05/23/91

EPA SW-846 METHOD 8010  
HALOGENATED VOLATILE ORGANICS  
SAMPLE: #5-550

Compound -----	MDL (ug/kg) -----	RESULTS (ug/kg) -----
Chloromethane/Vinyl Chloride	100	ND
Bromomethane/Chloroethane	100	ND
Trichlorofluoromethane	50	ND
1,1-Dichloroethene	50	ND
Methylene Chloride	50	ND
trans-1,2-Dichloroethene	50	ND
1,1-Dichloroethane	50	ND
Chloroform	50	ND
1,1,1-Trichloroethane	50	ND
Carbon tetrachloride	50	ND
1,2-Dichloroethane	50	ND
Trichloroethylene	50	ND
1,2-Dichloropropane	50	ND
Bromodichloromethane	50	ND
Cis-1,3-Dichloropropene	50	ND
trans-1,3-Dichloropropene	50	ND
1,1,2-Trichloroethane	50	ND
Tetrachloroethene	50	ND
Dibromochloromethane	50	ND
Chlorobenzene	50	ND
Bromoform	50	ND
1,1,2,2-Tetrachloroethane	50	ND
1,3-Dichlorobenzene	50	ND
1,2-Dichlorobenzene	50	540
1,4-Dichlorobenzene	50	120
Cis-1,2-Dichloroethene	50	ND

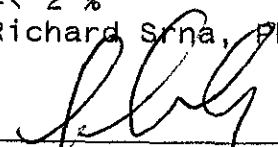
MDL = Method Detection Limit

ug/kg = parts per billion (ppb)

QA/QC Summary: Daily Standard %DIFF = <15%

MS/MSD average recovery = 105 % :MS/MSD RPD = < 2 %

Richard Srna, Ph.D.

  
Laboratory Director

OUTSTANDING QUALITY AND SERVICE

SEMCO

JAMES C. BATEMAN PETROLEUM SERVICES, INC.

431 W. Hatch Rd. Modesto, Calif 95351  
General & Engineering Contractors  
(800) 533-9293  
FAX (209) 524-0503

53639

SEMCO

JAMES C. BATEMAN PETROLEUM SERVICES, INC.

1741 Leslie St. San Mateo, Calif. 94402  
General & Engineering Contractors  
(415) 572-8033  
FAX (415) 572-9734

CHAIN OF CUSTODY RECORD

PROJECT NAME: <i>PRECISION TUNE</i>						Number of Containers	Analysis Required				REMARKS	
SAMPLERS (signature): <i>Chuck Kern Semco</i>							TPH-C-D	BTEX	IDR	CLHC		
Station Number	Date	Time	Comp.	Grab	Station Location							
#1-550	5/15/91	2:00		✓	#1-550-WO-E-8'	1	✓	✓	✓			
#2-550	5/15/91	2:10		✓	#2-550-WO-W-8'	1	✓	✓	✓			
#3-550	5/17/91	2:25		✓	#3-550-WO-E-10'6"	1	✓	✓	✓			
#4-550	5/15/91	2:40		✓	#4-550-WO-W-10'6"	1	✓	✓	✓			
#5-550	5/15/91	3:00	✓		#5-550-WO-Comp Spk.	4	✓	✓	✓			
Relinquished by(signature): <i>Chuck Kern</i> Company or Agency: <i>Semco</i>						Date / Time: <i>5/17/91 9:00 AM</i>	Received by (signature): <i>Tracy Carrigan</i> Company or Agency: <i>Express - SA</i>			Relinquished by(signature):	Date / Time:	Received by (signature):
Relinquished by(signature): <i>Tracy Carrigan</i> Company or Agency: <i>Express - SA</i>						Date / Time: <i>5/17/91 0915</i>	Received by (signature):			Relinquished by:	Date / Time:	Received by (signature):
Relinquished by(signature): <i>[Signature]</i> Company or Agency:						Date / Time:	Received for Laboratory by: (signature) <i>Omig A. Nuega</i>			Date / Time: <i>5/17/91</i>	Remarks/Shipping Information: <i>Normal Tune</i>	

Samples initial: *CK*  
 Samples Stored in ice. *Yes*  
 Appropriate containers. *Yes*  
 Samples preserved. *Yes*  
 COC's without headspace. *Yes*  
 Comments: