



**Superior Precision Analytical, Inc.**

1555 Burke, Unit I • San Francisco, California 94124 • (415) 647-2081 / fax (415) 821-7123

## FACSIMILE COVER SHEET

TO: BRIAN O'LIWA

COMPANY: ALVARADO CO. DEPT. OF HAZ. WASTE

FAX #: 510 569-4757

DATE: 20 DEC 1992

FROM: John Murphy

JOB #: \_\_\_\_\_ CLIENT PROJECT #: \_\_\_\_\_

TOTAL # PAGES: (including cover sheet) \_\_\_\_\_

**COMMENTS:**

JN Mac

Thank you for your business. If we can be of further assistance, please don't hesitate to call.



# Superior Precision Analytical, Inc.

1555 Burke, Unit I ▪ San Francisco, California 94124 ▪ (415) 647-2081 / fax (415) 821-7123

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

LABORATORY NO.: 55881  
CLIENT: SEMCO  
CLIENT JOB NO.: CLEMENTINA

DATE RECEIVED: 12/10/92  
DATE REPORTED: 12/17/92

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

LAB #	Sample Identification	Concentration (mg/kg) Diesel Range
1	#1-D-SW-13'	ND<1
2	#2-D-SE-13'	ND<1
3	#3-G-NW-13'	ND<1
4	#4-G-NE-13'	ND<1

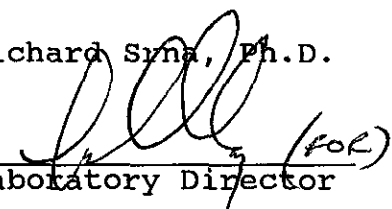
mg/kg - parts per million (ppm)

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

#### QAQC Summary:

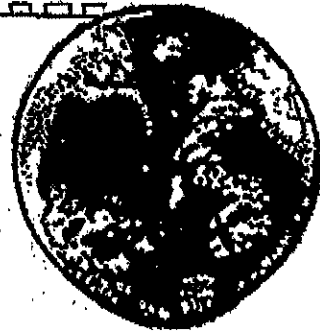
Daily Standard run at 200mg/L: %DIFF Diesel = <15%  
MS/MSD Average Recovery = 70%: Duplicate RPD = 1%

Richard Sma, Ph.D.

  
Laboratory Director



# SEMIC



WORKING TO PRESERVE YOUR ENVIRONMENT

(415) 572-8033

FAX (415) 572-9734

(800) 831-2344

*WMDV  
12/21/92  
BPO*

DATE: 12-17-92 TIME: 3:35

FAX TO: Alameda County  
ATTN: Brian Olivia

FAX NUMBER: 510-569-4757  
# OF PAGES FOLLOWING COVER: 8

COMMENTS: Clementina Analytical  
5521 Doyle St. Emeryville

SENDER: Jaki

IF YOU DO NOT RECEIVE ALL PAGES, PLEASE CALL (415) 572-8033



# Superior Precision Analytical, Inc.

1555 Burke, Unit I • San Francisco, California 94174 • (415) 647 2081 / fax (415) 871-7123

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

LABORATORY NO.: 55881  
CLIENT: SEMCO  
CLIENT JOB NO.: CLEMENTINA

DATE RECEIVED: 12/10/92  
DATE REPORTED: 12/17/92

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

LAB #	Sample Identification	Concentration (mg/kg) Diesel Range
1	#1-D-SW-13'	ND<10
2	#2-D-SE-13'	ND<10
3	#3-G-NW-13'	ND<10
4	#4-G-NE-13'	ND<10

*W. Yang MDL*

mg/kg - parts per million (ppm)

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

#### QA/QC Summary:

Daily Standard run at 200mg/L: %DIFF Diesel = <15%  
MS/MSD Average Recovery = 70%: Duplicate RPD = 1%

Richard Srna, Ph.D.

*Richard Srna*  
Laboratory Director

LABORATORY NO.: 55881  
CLIENT: SEMCO  
CLIENT JOB NO.: CLEMENTINA

DATE RECEIVED: 12/10/92  
DATE REPORTED: 12/17/92

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

LAB #	Sample Identification	Concentration (mg/kg)	
		Gasoline Range	
1	#1-D-SW-13'	ND<1	
2	#2-D-SE-13'	ND<1	
3	#3-G-NW-13'	ND<1	
4	#4-G-NE-13'	ND<1	

mg/kg - parts per million (ppm)

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

QAQC Summary:

Daily Standard run at 2mg/L: %Diff Gasoline = <15  
MS/MSD Recovery = 96%: Duplicate RPD = 9%

Richard Srna, Ph.D.

*Greg A. Hovington*  
Laboratory Manager

Certified Laboratories

CLIENT JOB NO.: CLEMENTINA

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

LAB #	Sample Identification	Concentration (mg/kg)			
		Benzene	Toluene	Ethyl Benzene	Xylenes
1	#1-D-SW-13'	ND<.003	ND<.003	ND<.003	ND<.003

12/17/1992 15:47 FROM Senco SAN MATEO CA. DIV. TO 15105694757 P.05

**Section I**

## CHAIN OF CUSTODY AND ANALYSIS REQUEST

LAB NO. \_\_\_\_\_

Consultant Name <u>SEMCO</u> Office Location <u>1741 Leese Rd. San Mateo, CA 94402</u> Fax No. <u>(415) 572-9734</u> Project Manager <u>Terry Hamilton</u> Phone <u>(415) 572-8488</u>	TURN AROUND TIME (Clock Day) Same Day _____ 24 Hrs <input checked="" type="checkbox"/> _____ 48 Hrs _____ 72 Hrs _____ 5 Day _____	<b>SUPERIOR ANALYTICAL, INC.</b>  Martinez San Francisco 415/229-1512 415/647-2081
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Send Coolers to : Modesto  San Mateo

Project No. / P.O. No. CLAMBITWA Sampler M. Tamura  
 Regulatory Agency ALAMROH ENV. Health

TOTAL P.05

Section II		Analysis Request										Section III		Sample Information			
Sample Identification	S=Soil W=Water Matrix	A=Air	TPH - G & D	TPH - Low Level D	TPH - G	BTXE	OAG	B010	B240	Metals	Others - Subject to Subcontracting	Date	Time	Containers		Sampling Remarks	
														Quantity	Pres.	Bioremediation	Contamination
1 #4-bks-Camp	S		X			X						12/15/92	4:15	A		Composite in Lab	
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	

Relinquished by <u>[Signature]</u>	Date/Time <u>12/16/92 8:18am</u>	Received by <u>HERO 160</u>	Organization <u>Butler</u>
Relinquished by _____	Date/Time _____	Received by _____	Organization _____
Relinquished by _____	Date/Time _____	Received by _____	Organization _____

Please Initial \_\_\_\_\_

Sample Stored in Ice \_\_\_\_\_

Appropriate Containers \_\_\_\_\_

Sample Preserved \_\_\_\_\_

VOA's without Headspace \_\_\_\_\_

Compos \_\_\_\_\_

LAB # Sample Identification

Concentration (mg/kg)  
Gasoline Range Diesel Range

1 #4-6K'S-COMP

ND<10

ND<10

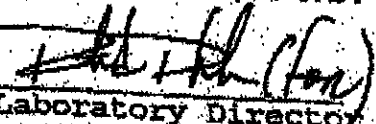
mg/kg - parts per million (ppm)

Method Detection Limit for Gasoline in Soil: 10 mg/kg  
Method Detection Limit for Diesel in Soil: 10 mg/kg

QA/QC Summary:

Daily Standard run at 200mg/L: RPD Gasoline = 7%  
RPD Diesel = 5%  
MS/MSD Average Recovery = 112%: Duplicate RPD = 13%

Richard Srna, Ph.D.

  
Laboratory Director

Certified Laboratories

307 P02 DEC 17 92

SUPERIOR MARTINEZ

15102291525

ND<0.003 0.005 ND<0.003 0.007

1 #4-6K'S-COMP

mg/kg - parts per million (ppm)

Method Detection Limit in Soil: 0.003 mg/kg

QAQC Summary:

Daily Standard run at 20 µg/L: RPD = <15%  
MS/MSD Average Recovery = 96%: Duplicate RPD = <8%

Richard Srna, Ph.D.

*[Signature]*  
Laboratory Director

Certified Laboratories

307 P03 DEC 17 92 15:41

SUPERIOR MARTINEZ

15102291526

Physical, Inc.  
P.O. Box 1545 • Martinez, California 94553 • (510) 229-1590 / fax (510) 229-0916

CERTIFICATE OF ANALYSIS

LABORATORY NO.: 87454  
CLIENT: SEMCO  
CLIENT JOB NO.: CLEMENITTNA

DATE RECEIVED: 12/16/92  
DATE REPORTED: 12/17/92  
DATE SAMPLED: 12/15/92

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS  
by Modified EPA 821-1-1



# CHAIN OF CUSTODY AND ANALYSIS REQUEST LAB NO. 552

## Section I

**Consultant Name** SEMCO  
**Office Location** 1741 Leake Rd. San Mateo, CA 94402  
**Fax No.** (415) 872-9786  
**Project Manager** TERRY HAMILTON  
**Phone** (415) 872 8935  
**Send Coolers to:** Modesto  San Mateo   
**Project No. / P.O. No.** Clementina

**TURN AROUND TIME**  
(Clock On)  
**Same Day** \_\_\_\_\_ **72 Hrs** \_\_\_\_\_  
**24 Hrs** \_\_\_\_\_ **5 Day**             
**48 Hrs** \_\_\_\_\_

**SUPERIOR ANALYTICA**  
**M. Martinez** San Fra  
**415/45/229-1512 415/547**

**Sampler** SEMCO M. M. Thompson  
**Regulatory Agency** Alameda County B. L. W.

## Section II

## Analysis Request

## Section III

## Sample Information

Sample Identification	S=Soil W=Water Matrix	A=Air	TPH - G & D	TPH - Low Level D	TPH - G	STXE	ORG	8010	8240	Metals	Others & Subject to subcontracting	Date	Time	Containers		Bioremediation	Containment
														QTY	PREP.		
1#1-D-SW-13'	S		X			X						X		7/16	25		
2#2-D-SE-13'	S		X			X						X			25		
3#3-G-NW-13'	S		X			X						X			301		
4#4-G-NE-13'	S		X			X						X			316		
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	

**Relinquished by** [Signature]  
**Organization** SEMCO  
**Relinquished by** \_\_\_\_\_  
**Organization** \_\_\_\_\_  
**Relinquished by** \_\_\_\_\_  
**Organization** \_\_\_\_\_

**Date/Time** 12-10-92 1644  
**Date/Time** \_\_\_\_\_  
**Date/Time** \_\_\_\_\_

**Received by** \_\_\_\_\_  
**Organization** \_\_\_\_\_  
**Received by** \_\_\_\_\_  
**Organization** \_\_\_\_\_  
**Received by** [Signature]  
**Organization** \_\_\_\_\_

**Phase** IV  
**Sample Stored in the** \_\_\_\_\_  
**Appropriate Containers** \_\_\_\_\_  
**Sample Preserved** yes  
**VQA's without Headpace** \_\_\_\_\_  
**Comments** \_\_\_\_\_

12/17/1992 15:46 FROM SEMCO SAN MATEO CA. DIV. TO 151056694757 P.04



# Superior Precision Analytical, Inc.

P.O. Box 1545 • Martinez, California 94553 • (510) 779-1590 / Fax (510) 229-0416

## CERTIFICATE OF ANALYSIS

LABORATORY NO.: 87398  
CLIENT: SEMCO  
CLIENT JOB NO.: CLEMENTINA

DATE RECEIVED: 12/10/92  
DATE REPORTED: 12/17/92  
DATE SAMPLED: 12/10/92

### ANALYSIS FOR TOTAL LEAD by SW-846 Method 6010

LAB #	Sample Identification	Concentration (mg/kg) Total Lead
1	#1-D-SW-13'	7 5 ND<5 5
2	#2-D-SE-13'	
3	#3-G-NW-13'	
4	#4-G-NE 13'	

mg/kg - parts per million (ppm)

Method Detection Limit for Lead in Soil: 5 mg/kg

QAQC Summary: MS/MSD Average Recovery : 84%  
Duplicate RPD : 1%

Richard Erna, Ph.D.

*Monica V. Sanquilig* (for)  
Laboratory Manager

3 #3-G-NW-13'  
4 #4-G-NE-13'

ND<.003 ND<.003 ND<.003 ND<.003  
ND<.003 ND<.003 ND<.003 ND<.003

mg/kg - parts per million (ppm)

Method Detection Limit in Soil: 0.003 mg/kg

QAQC Summary:

Daily Standard run at 20ug/L: %Diff 8020 = <15%  
MS/MSD Average Recovery = 90%: Duplicate RPD = 3%

Richard Srna, Ph.D.

*Richard Srna, Ph.D.*  
Laboratory Manager

Certified Laboratories