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# Superior Precision Analytical, 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.: CLEMENITINA

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

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

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)

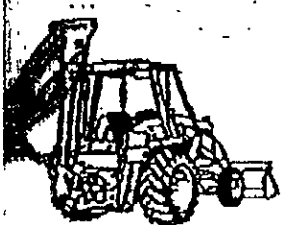
Method Detection Limit for Gasoline in Soil: 20 mg/kg  
Method Detection Limit for Diesel in Soil: 10 mg/kg

### QAQC 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.

*(Signature)*  
Laboratory Director



WORKING TO PRESERVE YOUR ENVIRONMENT

(415) 572-8033

FAX (415) 572-9734

(800) 831-2344

DATE: <i>2-18-93</i>	TIME: <i>10:45</i>
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FAX TO: <i>Alameda County</i>
ATTN: <i>Susan Hugo</i>

FAX NUMBER: <i>(510) 569-4757</i>
# OF PAGES FOLLOWING COVER: <i>4</i>

COMMENTS:  <i>Letter - Analytical</i>
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SENDER:  <i>Jali</i>
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IF YOU DO NOT RECEIVE ALL PAGES, PLEASE CALL (415) 572-8033

S E M C O  
ENVIRONMENTAL CONTRACTORS & GENERAL ENGINEERING  
LICENSE # 449864 A, B, C-61/D-40  
1741 LESLIE STREET  
SAN MATEO, CALIFORNIA 94402  
(415) 572-8033

February 18, 1993

Alameda County  
Health Care Agency  
80 Swan Way, Room 200  
Oakland, CA 94621

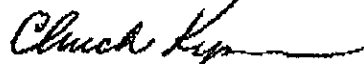
Re: 5521 Doyle Street, Emeryville

Attn: Susan Hugo

Pursuant to our conversation this morning at 8:00 a.m., please find enclosed the analytical results for the excavated materials resulting from the tank closures at the above referenced property.

As both tanks were constructed of fiberglass, all backfill material as per code and warranty was of pea gravel consistency. As per the request of Brian Healy, samples of the gravel were collected, properly sealed, iced and recorded on a chain of custody. Samples were transported to Superior Analytical for required and requested analysis. This sample is referenced and identified as #4-6K'S-Comp. As you can verify, the pea gravel was for all intent and purposes non-detected. We also discussed the notation of the apparent pin hole at the reinforced rib. The rib construction is originally made with a cardboard support frame structure over the fiberglass tank shell which is then laminated with fiberglass which forms the reinforcing rib. As this rib is not required to be liquid tight, particular attention is not given to being completely sealed. The liquid which was noted emanating from this point was simply baywater which had seeped into the rib.

Thank You,



Chuck Kiper  
Vice-President  
SEMCO-SAN MATEO

CK:jms

Enclosures

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License # 449864  
A,B, C-61/D40  
Hazardous Substances Certification

(800) 831-2344  
(415) 572-8033  
(415) 572-9734 FAX

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

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

ANALYSIS FOR BENZENE, TOLUENE, ETHYL BENZENE & XYLENES  
by EPA SW-846 METHODS 8030 AND 8020

LAB #	Sample Identification	Concentration (mg/kg)			
		Benzene	Toluene	Ethyl Benzene	Xylenes
1	#4-6K'S-COMP	ND<0.003	0.005	ND<0.003	0.007

ug/kg - parts per million (ppm)

Method Detection Limit in Soil: 0.003 mg/kg

QA/QC Summary:

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

Richard Bryna, Ph.D.

  
Laboratory Director

Certified Laboratories

TOTAL P.04



# Superior Precision Analytical, Inc.

1555 Burke, Unit I • San Francisco, California 94124 • (415) 647-2081 / fax (415) 647-2082

JAN 14 1993  
**RECEIVED**  
JAN 18 1993

## CERTIFICATE OF ANALYSIS

LABORATORY NO.: 55963  
CLIENT: SEMCO  
CLIENT JOB NO.: CLEMENTINA

DATE RECEIVED: 01/11/93  
DATE REPORTED: 01/12/93

ANALYSIS FOR BENZENE, TOLUENE, ETHYL BENZENE & XYLENES  
by EPA SW-846 Methods 8010 and 8020

LAB #	Sample Identification	Concentration (ug/L)			
		Benzene	Toluene	Ethyl Benzene	Xylenes
1	#1-H2O-10K	ND<0.3	ND<0.3	0.6	14
2	#2-H2O-8K	ND<0.3	ND<0.3	ND<0.3	ND<0.3

ug/L - parts per billion (ppb)

Method Detection Limit in Water: 50 ug/L

### QA/QC Summary:

Daily Standard run at 20 ug/L: RPD = <15%  
MS/MSD Average Recovery = 91%: Duplicate RPD = 0.9%

Richard Srna, Ph.D.

*Richard Y. Srna (for)*  
Laboratory Manager

Certified Laboratories