

S E M C O
1741 LESLIE STREET
SAN MATEO, CA 94402

DATE: 12-23-92

TO: Alameda County

Please find enclosed the soil analysis for:

5521 Doyle Street

Emeryville

Clemson

A final report containing manifests and sample locations will be forwarded to you after compilation of all receipts, documents and permits pertaining to this tank removal.

Sincerely, *Jaki*



Superior Precision Analytical, Inc.

825 Arnold Drive, Suite 114 • Martinez, California 94553 • (510) 229-1512 / fax (510) 229-1526

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

LABORATORY NO.: 87465
CLIENT: SEMCO
CLIENT JOB NO.: CLEMENTINA

DATE RECEIVED: 12/16/92
DATE REPORTED: 12/23/92
DATE SAMPLED : 12/15/92

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

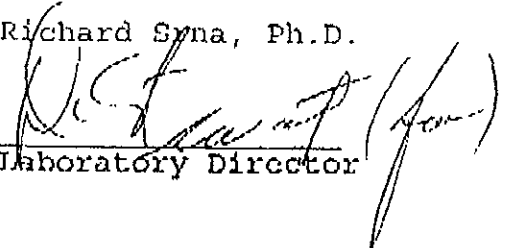
LAB #	Sample Identification	Concentration (ug/L)			
		Benzene	Toluene	Ethyl Benzene	Xylenes
1	#1-H2O-PIT	ND<0.3	ND<0.3	ND<0.3	ND<0.3
2	#2-H2O-10K	0.5	1.2	1.0	22
3	#2-H2O-8K	1.1	0.3	ND<0.3	18

ug/L - parts per billion (ppb)

Method Detection Limit in Water: 0.3 ug/L

QAQC Summary:

Daily Standard run at 20 ug/L: RPD = <15%
MS/MSD Average Recovery = 96 %: Duplicate RPD = < 3 %

Richard Syna, Ph.D.

Laboratory Director



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

LAB #	Sample Identification	Concentration (ug/L) Diesel Range
1	#1-H2O-PIT	1200 / 2
2	#2-H2O-10K	720*
3	#2-H2O-8K	190*

ug/L - parts per billion (ppb)

* Diesel range concentration reported. The pattern of chromatogram shows hydrocarbons lighter than diesel.

Method Detection Limit for Diesel in Water: 50 ug/L

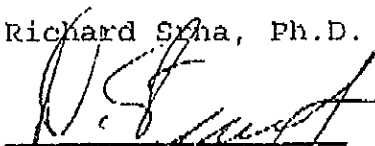
QA/QC Summary:

Daily Standard run at 200mg/l: RPD Gasoline = NA

RPD Diesel = 10 %

MS/MSD Average Recovery = 118 %: Duplicate RPD = 9 %

Richard Srna, Ph.D.


 Laboratory Director



Superior Precision Analytical, Inc.

825 Arnold Drive, Suite 114 • Martinez, California 94553 • (510) 279-1512 / fax (510) 279-1526

CERTIFICATE OF ANALYSIS

LABORATORY NO.: 87465
 CLIENT: SEMCO
 CLIENT JOB NO.: CLEMENTINA

DATE RECEIVED: 12/16/92
 DATE REPORTED: 12/23/92
 DATE SAMPLED: 12/15/92

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS
 by MODIFIED EPA SW-846 METHOD 5030 and 8015

LAB #	Sample Identification	Concentration (ug/L) Gasoline Range
1	#1-H2O-P1T	ND<50
2	#2-H2O-10K	220
3	#2-H2O-8K	120

ug/L - parts per billion (ppb)

Method Detection Limit for Gasoline in Water: 50 ug/L

QAQC Summary:

Daily Standard run at 2mg/L: RPD Gasoline = <15
 MS/MSD Average Recovery - 102 %; Duplicate RPD = 6 %

Richard Smith, Ph.D.

Laboratory Director

87465

CHAIN OF CUSTODY AND ANALYSIS REQUEST

LAB NO. _____

Section I

Consultant Name SEMCO
 Office Location 1741 Leslie Rd. San Mateo, CA 94402
 Fax No. (415) 572-9734
 Project Manager TERRY HAMILTON
 Phone (415) 572 8033

TURN AROUND TIME
 (Circle One)
 Same Day _____
 24 Hrs _____
 48 Hrs _____
 72 Hrs _____
 5 Day

SUPERIOR ANALYTICAL, INC.
 Martinez San Francisco
 415/229-1512 415/647-2081

Send Coolers to : Modesto San Mateo
 Project No. / P.O. No. CLEMENTINA

Sampler M. Funglow
 Regulatory Agency ALAMEDA Env. Health

Section II Analysis Request										Section III Sample Information					
Sample Identification	S=Soil W=Water Matrix	TPH - G A D	TPH - Low Level D	TPH - Q	BTXE	OAG	8010	8240	Metals	Others * Subject to Subcontracting	Date	Time	Containers		Sampling Remarks
													Quantity	Pres.	
1 #1-H2O-PIT	W	X			X						1/15/92	3:31	4		
2 #2-H2O-10K	W	X			X						1/15/92	4:04	4		
3 #3-H2O-8K	W	X			X						1/15/92	4:10	4		
4															
5															
6															
7															
8															
9															
10															
11															
12															

Please initial:
 Samples Stored in ice. _____
 Appropriate containers. _____
 Samples preserved. _____
 VOA's without Headspace _____
 Comments _____

SS

Relinquished by <u>[Signature]</u> Organization <u>SEMCO</u>	Date/Time <u>1/15/92 1:40</u>	Received by <u>HEKO 150</u> Organization <u>SAHOK</u>
Relinquished by <u>[Signature]</u> Organization _____	Date/Time <u>12/16/92 8:18am</u>	Received by _____ Organization _____
Relinquished by <u>[Signature]</u> Organization <u>71A</u>	Date/Time <u>12-16-92 9:26</u>	Received by <u>[Signature]</u> Organization <u>SPL, MTZ</u>

Please initial _____
 Samples Stored in Ice is
 Appropriate Containers is
 Samples Preserved is
 VOA's without Headspace is
 Comments OK