

SUPERIOR ANALYTICAL LABORATORIES, INC.

825 ARNOLD, STE. 114 • MARTINEZ, CALIFORNIA 94553 • (415) 229-1512

DOHS #319
DOHS #220

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

LABORATORY NO.: 81377
CLIENT: SEMCO
CLIENT JOB NO.: FRIEDMAN

DATE RECEIVED: 08/11/90
DATE REPORTED: 08/16/90

ANALYSIS FOR TOTAL ORGANIC LEAD
by DHS Method (LUFT MANUR1)

LAB #	Sample Identification	Concentration (mg/Kg)
1	#1-550-GE 5'6"	ND:0.05
2	#2-MidTanks 6'6"	0.11
3	#3-550 Waste Oil 4'	ND:0.05

mg/kg - parts per million (ppm)

Method Detection Limit for Organic Lead in Soil: 0.05 mg/Kg

Richard Srna, Ph.D.

Dorena Srna
Laboratory Manager

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

LABORATORY NO.: 81377
CLIENT: SEMCO
CLIENT JOB NO.: FRIEDMAN

DATE RECEIVED: 08/15/90
DATE REPORTED: 08/15/90

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS
by Modified EPA SW-846 Method 8030 and 8015

LAB #	Sample Identification	Concentration (mg/Kg)
		Gasoline Range
1	#1-550-GE 5'6"	560
2	#2-MidTanks 6'6"	490
3	#3-550 Waste Oil 4'	21
4	#4-Pit H2O	2.2 mg/L

mg/kg - parts per million (ppm)

Method Detection Limit for Gasoline in Soil: 1 mg/Kg
Method Detection Limit for Gasoline in Water: 0.05 mg/L

QAQC Summary:

Daily Standard run at 2mg/L: RPD Gasoline = 3
MS/MSD Average Recovery = 94%: Duplicate RPD = 4

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

LABORATORY NO.: 81377
CLIENT: SEMCO
CLIENT JOB NO.: FRIEDMANDATE RECEIVED: 08/15/90
DATE REPORTED: 08/15/90ANALYSIS FOR BENZENE, TOLUENE, ETHYL BENZENE & XYLENES
by EPA SW-846 Methods 8030 and 8020

LAB #	Sample Identification	Concentration(ug/Kg, ug/L*)			
		Benzene	Toluene	Ethyl Benzene	Xylenes
1	#1-550-GE 5'6"	ND<150	ND<150	590	3600
2	#2-MidTanks 6'6"	ND<150	ND<150	580	3000
3	#3-550 Waste Oil 4'	ND<3	ND<3	22	140
4	#4-Pit H2O	26*	ND<3*	100*	260*

ug/Kg - parts per billion (ppb)

Method Detection Limit in Soil: 3 ug/Kg
Method Detection Limit in Water: 0.3 ug/L

QAQC Summary:

Daily Standard run at 20ug/L: RPD = 115%
MS/MSD Average Recovery = 94 %: Duplicate RPD = 12

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Laboratory Manager

OUTSTANDING QUALITY AND SERVICE

RECEIVED
8-15-90

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CERTIFICATE OF ANALYSIS

LABORATORY NO.: 81377
CLIENT: SEMCO
CLIENT JOB NO.: FRIEDMAN

DATE RECEIVED: 08/15/90
DATE REPORTED: 08/15/90

ANALYSIS FOR TOTAL OIL AND GREASE
by Method 503E

LAB #	Sample Identification	Concentration (mg/Kg) Oil & Grease
1	#1-550-GE 5'6"	ND<20
2	#2-MidTanks 6'6"	660
3	#3-550 Waste Oil 4'	150

mg/kg - parts per million (ppm)

Method Detection Limit for Oil and Grease in Soil: 20mg/Kg

QAQC Summary: Duplicate RPD : 0

Richard Srna, Ph.D.

Richard Srna
Laboratory Manager