

5
10-19-90

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.: 81681
CLIENT: SEMCO
CLIENT JOB NO.: 40TH OAKLAND

DATE RECEIVED: 10/12/90
DATE REPORTED: 10/19/90

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

LAB #	Sample Identification	Concentration (mg/Kg) Diesel Range
1	#1-1KG	ND<10
2	#2-500W/O	650 ✓
3	#3-CSG	10
4	#4-WOCOMP	20

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

QAQC Summary:

Daily Standard run at 200mg/L: RPD Gasoline = 4
RPD Diesel = 6
MS/MSD Average Recovery = 103%: Duplicate RPD = 0

Richard Srna, Ph.D.

Dorena Srna
Laboratory Manager

SUPERIOR ANALYTICAL LABORATORIES, INC.

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

DOHS #319
DOHS #220

CERTIFICATE OF ANALYSIS

LABORATORY NO.: 81681
CLIENT: SEMCO
CLIENT JOB NO.: 40TH OAKLAND

DATE RECEIVED: 10/12/90
DATE REPORTED: 10/19/90

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

LAB #	Sample Identification	Concentration (mg/Kg) Gasoline Range
1	#1-1KG	1600 ✓
2	#2-500W/O	570
3	#3-CSG	4
4	#4-WOCOMP	2

mg/kg - parts per million (ppm)

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

QAQC Summary:

Daily Standard run at 2mg/L: RPD Gasoline = 5
MS/MSD Average Recovery = 113%: Duplicate RPD = 2

Richard Srna, Ph.D.

Dorena Srna
Laboratory Manager

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.: 81681
CLIENT: SEMCO
CLIENT JOB NO.: 40TH OAKLAND

DATE RECEIVED: 10/12/90
DATE REPORTED: 10/19/90

ANALYSIS FOR TOTAL OIL AND GREASE by Method 503E

LAB #	Sample Identification	Concentration(mg/Kg) Oil & Grease
2	#2-500W/0	4000 ✓
4	#4-WOCOMP	350

mg/kg - parts per million (ppm)

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

QAQC Summary: Duplicate RPD : 13

Richard Srna, Ph.D.

Dorena Srna Srna
Laboratory Manager

SEMCO

JAMES C. BATEMAN PETROLEUM SERVICES, INC.

431 W. Hatch Rd Modesto, Calif. 95351
 General & Engineering Contractors
 (800) 513-9293
 FAX (209) 524-0503

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: MOTOR PARTNERS 40 th OAKLAND						Number of Containers	Analysis Required						REMARKS
SAMPLERS (signature): <i>See Analysis Sheet</i>							TPH-G	TPH-D	BTEX	TOB	CAHC-8240	PCAP	
Station Number	Date	Time	Comp.	Grab	Station Location								
#1-1KG	8/12	1:20		✓	#1-1KG-E-10'	1	✓	✓	✓			GASOLINE	
#2-500g	10/11	1:50		✓	#2-500-w-o-w-8'	1	✓	✓	✓	✓	✓	WASTE OIL	
#3-1KG	10/12	1:20		✓	#3-1KG Comp.	2	✓	✓	✓			GASOLINE	
#4-500g	9/11	1:50		✓	#4-500 w/o Comp	2	✓	✓	✓	✓	✓	WASTE OIL	
Relinquished by (signature): <i>[Signature]</i>		Date / Time 10.17.90 14:45		Received by (signature): <i>[Signature]</i>		Relinquished by (signature):		Date / Time		Received by (signature):			
Company or Agency:				Company or Agency:		Company or Agency:				Company or Agency:			
Relinquished by (signature):		Date / Time		Received by (signature):		Relinquished by:		Date / Time		Received by (signature):			
Company or Agency:				Company or Agency:		Company or Agency:				Company or Agency:			
Relinquished by (signature):		Date / Time		Received for Laboratory by (signature):		Date / Time		Remarks/Shipping Information					
Company or Agency:													

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.: 81681
CLIENT: SEMCO
CLIENT JOB NO.: 40TH OAKLAND

DATE RECEIVED: 10/12/90
DATE REPORTED: 10/19/90

ANALYSIS FOR CADMIUM, CHROMIUM, LEAD & ZINC
by EPA SW-846 Methods 7130, 7190, 7420, 7950 Respectively

LAB #	Sample Identification	Concentration (mg/Kg)			
		Cadmium	Chromium	Lead	Zinc
2	#2-500W/0	0.9	62	20	130
4	#4-WDCOMP	1.1	78	90	140

mg/kg - parts per million (ppm)

Method Detection Limit for Cadmium in Soil: 0.2 mg/Kg
Method Detection Limit for Chromium in Soil: 2 mg/Kg
Method Detection Limit for Lead in Soil: 10 mg/Kg
Method Detection Limit for Zinc in Soil: 0.2 mg/Kg

QAQC Summary: MS/MSD Average Recovery : 117%
Duplicate RPD : 0

Richard Srna, Ph.D.

Dorena Srna for
Laboratory Manager

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.: 81681
CLIENT: SEMCO
CLIENT JOB NO.: 40TH OAKLAND

DATE RECEIVED: 10/12/90
DATE REPORTED: 10/19/90

ANALYSIS FOR TOTAL NICKEL by SW-846 Method 7520

LAB #	Sample Identification	Concentration (mg/Kg) Total Nickel
2	#2-500W/O	96
4	#4-WOCOMP	140

mg/kg - parts per million (ppm)

Method Detection Limit for Nickel in Soil: 10 mg/Kg

QAQC Summary:

Duplicate RPD : 7

Richard Srna, Ph.D.

Dorena Srna
Laboratory Manager