



Superior Precision Analytical, Inc.

1555 Burke, Unit I • San Francisco, California 94124 • (415) 647-7081 / fax (415) 821-7123

SEMCO
Attn: CHUCK KIPER

Project CITY OF ALBANY 93-3092
Reported 07/06/93

TOTAL PETROLEUM HYDROCARBONS

Lab #	Sample Identification	Sampled	Analyzed Matrix
56709- 1	#1 BOTTOM OF TRENCH-17'	06/30/93	07/01/93 Soil
56709- 2	#2 BOTTOM-SIDE OF TRENCH	06/30/93	07/01/93 Soil

RESULTS OF ANALYSIS

Laboratory Number: 56709- 1 56709- 2

Benzene:	ND<.003	ND<.003
Toluene:	ND<.003	ND<.003
Ethyl Benzene:	ND<.003	ND<.003
Xylenes:	ND<.009	ND<.009
Diesel:	ND<10	ND<10
Concentration:	mg/kg	mg/kg



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CERTIFICATE OF ANALYSIS ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS

Page 2 of 2
QA/QC INFORMATION
SET: 56709

NA = ANALYSIS NOT REQUESTED
ND = ANALYSIS NOT DETECTED ABOVE QUANTITATION LIMIT
mg/kg = parts per million (ppm)

OIL AND GREASE ANALYSIS By Standard Methods Method 5520F:
Minimum Detection Limit in Soil: 50mg/kg

Modified EPA SW-846 Method 8015 for Extractable Hydrocarbons:
Minimum Quantitation Limit for Diesel in Soil: 10mg/kg

EPA SW-846 Method 8015/5030 Total Purgable Petroleum Hydrocarbons:
Minimum Quantitation Limit for Gasoline in Soil: 1mg/kg

EPA SW-846 Method 8020/BTXE
Minimum Quantitation Limit in Soil: 0.003mg/kg

ANALYTE	MS/MSD RECOVERY	RPD	CONTROL LIMIT
Benzene:	106/105	1%	72-110
Toluene:	100/99	1%	75-111
Ethyl Benzene:	96/95	1%	78-110
Xylenes:	96/95	1%	69-117
Diesel:	97/97	0%	69-127

Richard Srna, Ph.D.

Cecilia G. Joaquin (for)
Laboratory Director

Section I

CHAIN OF CUSTODY AND ANALYSIS REQUEST

LAB NO. _____

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

TURN AROUND TIME
 (Circle One)
 Same Day 72 Hrs
 24 Hrs
 48 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. City of Albany 93-3092

Sampler Tina Soenkson
 Regulatory Agency Alameda Cty. Env't. Health

Section II		Analysis Request										Section III		Sample Information		
Sample Identification	S=Soil W=Water Matrix	TPH - G & D	TPH - Low Level D	TPH - G	BTXE	O&G	8010	8240	Metals	Others * Subject to Subcontracting	Date	Time	Containers		Sampling Remarks	
													Quantity	Pres.	Bioremediation	Contamination
#1 Bottom of Trench-17'	S		X		X						6/30	125	1	/		
#2 Bottom-side of Trench-13'	S		X		X						6/30	1230	1	/		
3																
4																
5																
6																
8																
9																
10																
11																
12																

Relinquished by <u>Tina Soenkson</u> Organization <u>SEMCO</u>	Date/Time <u>6/30/93</u> <u>2:38 p.m.</u>	Received by _____ Organization _____	Please Initial <u>WS</u> Samples Stored in Ios <u>✓</u> Appropriate Containers <u>✓</u> Samples Preserved <u>✓</u> VOA's without Headspace <u>✓</u> Comments _____
Relinquished by _____ Organization _____	Date/Time _____	Received by _____ Organization _____	
Relinquished by _____ Organization _____	Date/Time _____	Received by <u>Patterson</u> Organization <u>Superior</u>	