

431 West Hatch Road  
Modesto, California 95351  
(209) 524-9653  
FAX (209) 524-0503

1741 Leslie Street  
San Mateo, California 94402  
(415) 572-8033  
FAX (415) 572-9734

SEMCO  
James C. Bateman Petroleum Services Inc.  
General Engineering and Environmental Contractor  
License NO. 449864 A, B, C-61, D-40  
(800) 533-9293

Date: 12-7-90

To: Dept. of Veterans Affairs  
Cheif Acquisitions and Material  
DVA Medical Center  
Management Service  
4951 Arroyo Road  
Livermore, California 94550

REGARDING:

Job Name: VA Hospital

Job Location: Livermore, California 94550

Contract # V599C-473

90 DEC 26 AM 10:29

WE ARE SENDING YOU THE FOLLOWING ITEMS:

<input checked="" type="checkbox"/>	Laboratory Analysis	<input checked="" type="checkbox"/>	Chain of Custody
<input checked="" type="checkbox"/>	Hazardous Waste Manifest	<input type="checkbox"/>	Tank Disposition Record

Remarks: Job Description: Underground tank removals.

Copy: Alameda County

Signed: M. Hamilton

M. Hamilton

Please print or type. (Form designed for use on elite (12-pitch typewriter).)

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. CA13161001072915911116		Manifest Document No. 1 of 1		2. Page 1 Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address D.V.A. MEDICAL CENTER 4751 ARROYO RD LIVERMORE, CALIF. ZIP 94550				A. State Manifest Document Number 89804384			
4. Generator's Phone 925-447-2560				B. State Generator's ID			
5. Transporter 1 Company Name KIMBERLY-CLARK SERVICE		6. US EPA ID Number F17762117511		C. State Transporter's ID		D. Transporter's Phone 925-503-3300	
7. Transporter 2 Company Name		8. US EPA ID Number		E. State Transporter's ID		F. Transporter's Phone	
9. Designated Facility Name and Site Address Refineries Service 13351 N. HWY. 33 Patterson, CA. 95303				10. US EPA ID Number PAPUP340972P		G. State Facility's ID	
				H. Facility's Phone (209) 800-874-4444			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers No. Type		13. Total Quantity	
a. Non RCRA Hazardous Waste Liquid				0 0 1 11		4000	
						14. Unit Wt/Vol	
						1. Waste No. State 23	
						EPA/Other	
						State	
						EPA/Other	
						State	
						EPA/Other	
						State	
						EPA/Other	
J. Additional Descriptions for Materials Listed Above Petroleum Hydrocarbons APPROX % 70 Water APPROX % 60 Sludge APPROX %				K. Handling Codes for Wastes Listed Above a. 01 b. c. d.			
15. Special Handling Instructions and Additional Information Wear Gloves & Goggles							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name James L. Fitz				Signature James L. Fitz		Month Day Year 11/10/88	
17. Transporter 1 Acknowledgement of Receipt of Materials							
Printed/Typed Name Jeff H...				Signature Jeff H...		Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space Actual Gallons 4,000							
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name Ted Edwards				Signature Ted Edwards		Month Day Year 11/10/88	

89804384

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7650

GENERATOR

TRANSPORTER

FACILITY

Do Not Write Below This Line

# SUPERIOR ANALYTICAL LABORATORY, INC.

1555 BURKE, UNIT I • SAN FRANCISCO, CA 94124 • PHONE (415) 647-2081

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

LABORATORY NO. 52762-1  
CLIENT: SEMCO

DATE RECEIVED: 11/09/90  
DATE REPORTED: 11/19/90  
JOB NO. V.A. Medical Center

EPA SW-846 METHOD 8240 - VOLATILE ORGANICS  
by Gas Chromatography/ Mass Spectrometry

SAMPLE: #7 Composite Spoils

Compound	ug/kg	Compound	ug/kg
Chloromethane	ND<50	Cis-1,3-Dichloropropene	ND<15
Bromomethane	ND<50	Trichloroethene	ND<15
Vinyl Chloride	ND<50	Dibromochloromethane	ND<15
Chloroethane	ND<50	1,1,2-Trichloroethane	ND<15
Methylene Chloride	ND<50	Benzene	ND<10
Acetone	ND<50	Trans-1,3-Dichloropropene	ND<15
Carbon disulfide	ND<15	2-Chloroethyl vinyl ether	ND<15
Trichlorofluoromethane	ND<15	Bromoform	ND<15
1,1-Dichloroethene	ND<15	4-Methyl-2-Pentanone	ND<50
1,1-Dichloroethane	ND<15	2-Hexanone	ND<50
1,2-Dichloroethene (total)	ND<15	Tetrachloroethene	ND<15
Chloroform	ND<15	1,1,2,2-Tetrachloroethane	ND<15
1,2-Dichloroethane	ND<15	Toluene	ND<15
2-Butanone	ND<100	Chlorobenzene	ND<15
1,1,1-Trichloroethane	ND<15	Ethylbenzene	ND<15
Carbon Tetrachloride	ND<15	Styrene	ND<15
Vinyl Acetate	ND<50	Total Xylenes	ND<15
Bromodichloromethane	ND<15	1,3-Dichlorobenzene	ND<15
1,2-Dichloropropane	ND<15	1,2&1,4-Dichlorobenzenes	ND<15

ug/kg = part per billion (ppb)

QC DATA:

Surrogate Recoveries

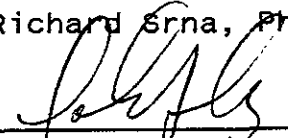
1,2-DCA-d4.....	97%
Toluene-d8.....	106%
Bromofluorobenzene.....	92%

QC Limits

water	soil
76-114	81-117
88-110	81-140
86-115	74-121

comments:

Richard Srna, Ph.D.

  
Laboratory Director

OUTSTANDING QUALITY AND SERVICE

SEMCO

JAMES C. BATEMAN PETROLEUM SERVICES, INC.

431 W. Hatch Rd. Modesto, Calif. 95351  
General & Engineering Contractors  
(800) 533-9293  
FAX (209) 624-0503

415-229-1512

81883

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: V.A. MEDICAL CENTER / LIVERMORE, CA						Number of Containers	Analysis Required					REMARKS
SAMPLERS (signature): <i>Steven R Wade</i>							418.1	TPH AS DIKEL	BTEX ETB	PCB	OIL GRASE	
Station Number	Date	Time	Comp.	Grab	Station Location							
#1	11/09	2:30		✓	NORTH END 12K WEST TANK 15'	1	✓	✓	✓	✓		
#2	11/09	2:45		✓	NORTH END 12K EAST TANK 15'	1	✓	✓	✓	✓		
#3	11/09	4:25		✓	SOUTH END 12K EAST TANK 15'	1	✓	✓	✓	✓		
#4	11/09	4:50		✓	MIDDLE 12K EAST TANK 15'	1	✓	✓	✓	✓		
#5	11/09	4:55		✓	MIDDLE 12K WEST TANK 15'	1	✓	✓	✓	✓		
#6	11/09	5:00		✓	SOUTH END 12K WEST TANK 15'	1	✓	✓	✓	✓		
#7	11/09	2:00		✓	Composite Soils	1	✓	✓	✓	✓		
#7	11/09	2:05		✓	Composite Soils	1	✓	✓	✓	✓		
#7	11/09	2:10		✓	Composite Soils	1	✓	✓	✓	✓		
#7	11/09	2:15		✓	Composite Soils	1	✓	✓	✓	✓		
Relinquished by (signature): <i>Steven R Wade</i>		Date / Time: 11/09 / 5:05 PM		Received by (signature): <i>Robert M. Miller</i>		Relinquished by (signature): <i>Robert M. Miller</i>		Date / Time: 11-9-90		Received by (signature):		
Company or Agency: SEMCO				Company or Agency: EXPRESS IT		Company or Agency: EXPRESS IT		1913		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:				<i>[Signature]</i>		11/9/90		Attention: DRP / about Two: Arrived Time				

# 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.: 81883  
CLIENT: SEMCO  
CLIENT JOB NO.: VA MEDICAL

DATE RECEIVED: 11/09/90  
DATE REPORTED: 11/28/90

### ANALYSIS FOR TOTAL OIL AND GREASE by 9071/418.1

LAB #	Sample Identification	Concentration (mg/Kg) Oil & Grease
1	#1 - North End 12K West Tank 15'	930
2	#2 - North End 12K East Tank 15'	4200
3	#3 - South End 12K East Tank 15'	9000
4	#4 - Middle 12K East Tank 15'	4700
5	#5 - Middle 12K West Tank 15'	3200
6	#6 - South End 12K West Tank 15'	4700
7	#7 - Composite Spoils	2900

mg/kg - parts per million (ppm)

Method Detection Limit for Oil and Grease in Soil: 25mg/Kg

Sampele were subcontracted to Kennedy/Jenks/Chilton.

Richard Srna, Ph.D.

  
Laboratory Manager

OUTSTANDING QUALITY AND SERVICE

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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

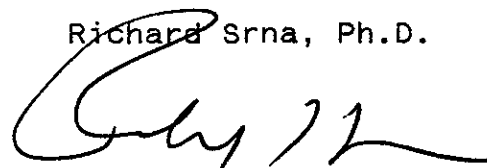
LABORATORY NO.: 81883-7  
CLIENT: SEMCO  
CLIENT JOB NO.: VA MEDICAL

DATE RECEIVED: 11/9/90  
DATE ANALYZED: 11/15/90  
CLIENT SAMPLE ID: #7 -  
Composite Spoils  
DATE SAMPLED: 11/8/90

EPA SW-846 METHOD 8080 - ORGANOCHLORINE PESTICIDES

<u>Compound</u>	<u>MDL (mg/Kg)</u>	<u>Conc. (mg/Kg)</u>
Polychlorinated Biphenyls (PCB'S)		
Aroclor 1016	1	ND
Aroclor 1221	1	ND
Aroclor 1232	1	ND
Aroclor 1242	1	ND
Aroclor 1248	1	ND
Aroclor 1254	1	ND
Aroclor 1260	1	ND

Richard Srna, Ph.D.



Laboratory Manager

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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

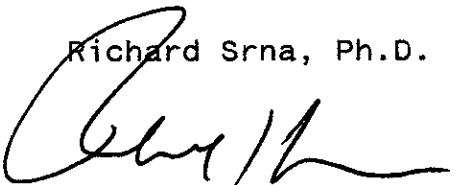
LABORATORY NO.: 81883-6  
CLIENT: SEMCO  
CLIENT JOB NO.: VA MEDICAL

DATE RECEIVED: 11/9/90  
DATE ANALYZED: 11/15/90  
CLIENT SAMPLE ID: #6 -  
South End West Tank  
DATE SAMPLED: 11/8/90

EPA SW-846 METHOD 8080 - ORGANOCHLORINE PESTICIDES

<u>Compound</u>	<u>MDL (mg/Kg)</u>	<u>Conc. (mg/Kg)</u>
Polychlorinated Biphenyls (PCB'S)		
Aroclor 1016	1	ND
Aroclor 1221	1	ND
Aroclor 1232	1	ND
Aroclor 1242	1	ND
Aroclor 1248	1	ND
Aroclor 1254	1	ND
Aroclor 1260	1	ND

Richard Srna, Ph.D.



Laboratory Manager

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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

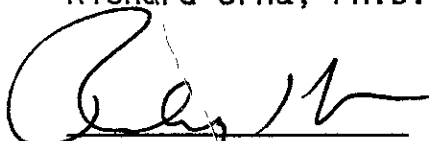
LABORATORY NO.: 81883-5  
CLIENT: SEMCO  
CLIENT JOB NO.: VA MEDICAL

DATE RECEIVED: 11/9/90  
DATE ANALYZED: 11/15/90  
CLIENT SAMPLE ID: #5 -  
Middle West Tank  
DATE SAMPLED: 11/8/90

EPA SW-846 METHOD 8080 - ORGANOCHLORINE PESTICIDES

Compound -----	MDL (mg/Kg) -----	Conc. (mg/Kg) -----
Polychlorinated Biphenyls (PCB'S)		
Aroclor 1016	1	ND
Aroclor 1221	1	ND
Aroclor 1232	1	ND
Aroclor 1242	1	ND
Aroclor 1248	1	ND
Aroclor 1254	1	ND
Aroclor 1260	1	ND

Richard Srna, Ph.D.



Laboratory Manager

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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

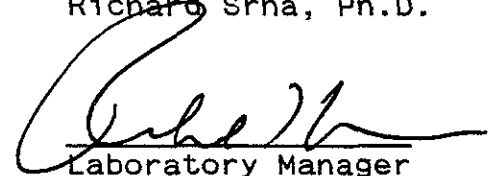
LABORATORY NO.: 81883-4  
CLIENT: SEMCO  
CLIENT JOB NO.: VA MEDICAL

DATE RECEIVED: 11/9/90  
DATE ANALYZED: 11/15/90  
CLIENT SAMPLE ID: #4 -  
Middle East Tank  
DATE SAMPLED: 11/8/90

EPA SW-846 METHOD 8080 - ORGANOCHLORINE PESTICIDES

<u>Compound</u>	<u>MDL (mg/Kg)</u>	<u>Conc. (mg/Kg)</u>
Polychlorinated Biphenyls (PCB'S)		
Aroclor 1016	1	ND
Aroclor 1221	1	ND
Aroclor 1232	1	ND
Aroclor 1242	1	ND
Aroclor 1248	1	ND
Aroclor 1254	1	ND
Aroclor 1260	1	ND

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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

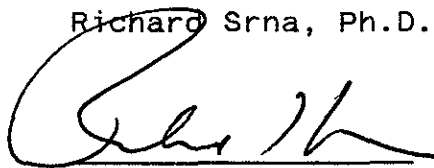
LABORATORY NO.: 81883-3  
CLIENT: SEMCO  
CLIENT JOB NO.: VA MEDICAL

DATE RECEIVED: 11/9/90  
DATE ANALYZED: 11/15/90  
CLIENT SAMPLE ID: #3 -  
South End East Tank  
DATE SAMPLED: 11/8/90

EPA SW-846 METHOD 8080 - ORGANOCHLORINE PESTICIDES

<u>Compound</u>	<u>MDL (mg/Kg)</u>	<u>Conc. (mg/Kg)</u>
Polychlorinated Biphenyls (PCB'S)		
Aroclor 1016	1	ND
Aroclor 1221	1	ND
Aroclor 1232	1	ND
Aroclor 1242	1	ND
Aroclor 1248	1	ND
Aroclor 1254	1	ND
Aroclor 1260	1	ND

Richard Srna, Ph.D.



Laboratory Manager

OUTSTANDING QUALITY AND SERVICE

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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

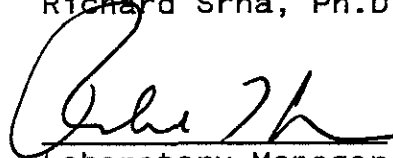
LABORATORY NO.: 81883-2  
CLIENT: SEMCO  
CLIENT JOB NO.: VA MEDICAL

DATE RECEIVED: 11/9/90  
DATE ANALYZED: 11/15/90  
CLIENT SAMPLE ID: #2 -  
North End East Tank  
DATE SAMPLED: 11/8/90

EPA SW-846 METHOD 8080 - ORGANOCHLORINE PESTICIDES

<u>Compound</u>	<u>MDL (mg/Kg)</u>	<u>Conc. (mg/Kg)</u>
Polychlorinated Biphenyls (PCB'S)		
Aroclor 1016	1	ND
Aroclor 1221	1	ND
Aroclor 1232	1	ND
Aroclor 1242	1	ND
Aroclor 1248	1	ND
Aroclor 1254	1	ND
Aroclor 1260	1	ND

Richard Srna, Ph.D.



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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

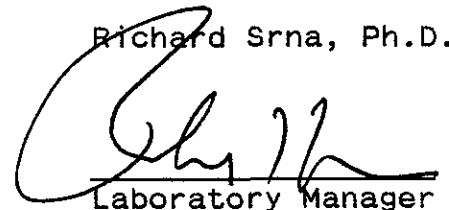
LABORATORY NO.: 81883-1  
CLIENT: SEMCO  
CLIENT JOB NO.: VA MEDICAL

DATE RECEIVED: 11/9/90  
DATE ANALYZED: 11/15/90  
CLIENT SAMPLE ID: #1-  
North End West Tank  
DATE SAMPLED: 11/8/90

EPA SW-846 METHOD 8080 - ORGANOCHLORINE PESTICIDES

<u>Compound</u>	<u>MDL (mg/Kg)</u>	<u>Conc. (mg/Kg)</u>
Polychlorinated Biphenyls (PCB'S)		
Aroclor 1016	1	ND
Aroclor 1221	1	ND
Aroclor 1232	1	ND
Aroclor 1242	1	ND
Aroclor 1248	1	ND
Aroclor 1254	1	ND
Aroclor 1260	1	ND

Richard Srna, Ph.D.



Laboratory Manager

OUTSTANDING QUALITY AND SERVICE

81883

CHAIN OF CUSTODY RECORD

PROJECT NAME: V.A. MEDICAL CENTER / LIVERMORE, CA					Number of Containers	Analysis Required	REMARKS
SAMPLERS (signature): <i>Steven R. Plunk</i>							
Station Number	Date	Time	Comp.	Station Location			
#1	11/19	2:30		North End 12K WEST TANK	1	✓	8240 to be run on composite only
#2	11/19	2:45		North End 12K EAST TANK	1	✓	
#3	11/19	4:15		South End 12K EAST TANK	1	✓	
#4	11/19	4:50		MIDDLE 12K EAST TANK	1	✓	
#5	11/19	4:55		MIDDLE 12K WEST TANK	1	✓	
#6	11/19	5:00		SOUTH END 12K WEST TANK	1	✓	
#7	11/19	2:00		Composite Spills	1	✓	
#7	11/19	2:05		Composite Spills	1	✓	
#7	11/19	2:10		Composite Spills	1	✓	
#7	11/19	2:15		Composite Spills	1	✓	
Relinquished by (signature): <i>Steven R. Plunk</i> Company or Agency: SEMCO		Date / Time: 11/19 / 5:05 PM	Received by (signature): <i>Robert P. Hill</i> Company or Agency: CALMAC		Date / Time: 11-19-90	Received by (signature): <i>James C. Bateman</i> Company or Agency: JCB	
Relinquished by (signature): Company or Agency:		Date / Time:	Received by (signature): Company or Agency:		Date / Time:	Received by (signature): Company or Agency:	
Relinquished by (signature): Company or Agency:		Date / Time:	Received for Laboratory by (signature): <i>[Signature]</i>		Date / Time: 11/19/90	Remarks/Shipping Information: Attention: Lab / NORMAL Turn Around Time	

\*\*\*\*\* P.01 TRANSACTION REPORT \*\*\*\*\*

SEMCO

JAMES C. BATEMAN PETROLEUM SERVICES, INC.

431 W. Hatch Rd Modesto, Calif. 95351  
General & Engineering Contractors  
(800) 533-9293  
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

81883

CHAIN OF CUSTODY RECORD

PROJECT NAME: V.A. MEDICAL CENTER / LIVERMORE, CA					Number of Containers	Analysis Required				REMARKS
SAMPLERS (signature): <i>Steven R Wade</i>						418.1	TPH AS DIKSEL	PCB	Oilgrease	
Station Number	Date	Time	Comp. Grab	Station Location						
#1	11/09	2:30	✓	NORTH END 12K WEST TANK 15'	1	✓	✓	✓	✓	
#2	11/09	2:45	✓	NORTH END 12K EAST TANK 15'	1	✓	✓	✓	✓	
#3	11/09	4:25	✓	SOUTH END 12K EAST TANK 15'	1	✓	✓	✓	✓	
#4	11/09	4:50	✓	MIDDLE 12K EAST TANK 15'	1	✓	✓	✓	✓	
#5	11/09	4:55	✓	MIDDLE 12K WEST TANK 15'	1	✓	✓	✓	✓	
#6	11/09	5:00	✓	SOUTH END 12K WEST TANK 15'	1	✓	✓	✓	✓	
#7 1st	11/09	2:00	✓	Composite Soils	1	✓	✓	✓	✓	
#7 2nd	11/09	2:05	✓	Composite Soils	1	✓	✓	✓	✓	
#7 3rd	11/09	2:10	✓	Composite Soils	1	✓	✓	✓	✓	
#7 4th	11/09	2:15	✓	Composite Soils	1	✓	✓	✓	✓	
Relinquished by (signature): <i>Steven R Wade</i> Company or Agency: SEMCO	Date / Time 11/09 / 5:25 PM	Received by (signature): <i>Lacey Martelle</i> Company or Agency: EXPRESS IT	Relinquished by (signature): <i>Lacey Martelle</i> Company or Agency: EXPRESS IT	Date / Time 11-9-90 1913	Received by (signature):	Company or Agency:				
Relinquished by (signature):	Date / Time	Received by (signature):	Relinquished by:	Date / Time	Received by (signature):	Company or Agency:				
Relinquished by (signature):	Date / Time	Received for Laboratory by (signature): <i>[Signature]</i>	Date / Time 11/9/90 715.	Remarks/Shipping Information ATTENTION LABS / NORMAL TURN AROUND TIME						

# 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.: 81883  
CLIENT: SEMCO  
CLIENT JOB NO.: VA MEDICAL

DATE RECEIVED: 11/09/90  
DATE REPORTED: 11/16/90

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

LAB #	Sample Identification	Concentration(ug/Kg)			
		Benzene	Toluene	Ethyl Benzene	Xylenes
1	#1 - North End 12K West Tank 15'	ND<15	37	180	210
2	#2 - North End 12K East Tank 15'	ND<75	ND<75	120	200
3	#3 - South End 12K East Tank 15'	ND<75	180	610	640
4	#4 - Middle 12K East Tank 15'	ND<75	35	230	320
5	#5 - Middle 12K West Tank 15'	ND<15	57	190	290
6	#6 - South End 12K West Tank 15'	ND<75	85	370	380
7	#7 - Composite Spoils	ND<15	ND<15	16	48

ug/kg - parts per billion (ppb)

Method Detection Limit in Soil: 3 ug/Kg

### QAQC Summary:

Daily Standard run at 20ug/L: RPD = <15%  
MS/MSD Average Recovery = 100%: Duplicate RPD = <1

Richard Srna, Ph.D.

*Robert Water for*  
Laboratory Manager

OUTSTANDING QUALITY AND SERVICE

# 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.: 81883  
CLIENT: SEMCO  
CLIENT JOB NO.: VA MEDICAL

DATE RECEIVED: 11/09/90  
DATE REPORTED: 11/16/90

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

LAB #	Sample Identification	Concentration (mg/Kg)	
		Gasoline Range	Diesel Range
1	#1 - North End 12K West Tank 15'	ND<10	2400
2	#2 - North End 12K East Tank 15'	ND<10	2100
3	#3 - South End 12K East Tank 15'	ND<10	3700
4	#4 - Middle 12K East Tank 15'	ND<10	2200
5	#5 - Middle 12K West Tank 15'	ND<10	1900
6	#6 - South End 12K West Tank 15'	ND<10	3100
7	#7 - Composite Spoils	ND<10	1600

mg/kg - parts per million (ppm)

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

#### QAQC Summary:

Daily Standard run at 200mg/L: RPD Gasoline = 5  
RPD Diesel = 12  
MS/MSD Average Recovery = 90%: Duplicate RPD = 12

Richard Srna, Ph.D.

  
Laboratory Manager

OUTSTANDING QUALITY AND SERVICE



# 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.: 81883  
CLIENT: SEMCO  
CLIENT JOB NO.: VA MEDICAL

DATE RECEIVED: 11/09/90  
DATE REPORTED: 11/16/90

### ANALYSIS FOR TOTAL OIL AND GREASE by Standard Method 5520F

LAB #	Sample Identification	Concentration(mg/Kg) Oil & Grease
1	#1 - North End 12K West Tank 15'	3400
2	#2 - North End 12K East Tank 15'	2400
3	#3 - South End 12K East Tank 15'	6300
4	#4 - Middle 12K East Tank 15'	2800
5	#5 - Middle 12K West Tank 15'	2100
6	#6 - South End 12K West Tank 15'	4000
7	#7 - Composite Spoils	8200

mg/kg - parts per million (ppm)

Method Detection Limit for Oil and Grease in Soil: 50mg/Kg

QAQC Summary: Duplicate RPD : 5

Richard Srna, Ph.D.

*Robert Waterman*  
Laboratory Manager

OUTSTANDING QUALITY AND SERVICE

SEMCO

JAMES C. BATEMAN PETROLEUM SERVICES, INC.

431 W Hatch Rd. Modesto, Calif. 95351  
General & Engineering Contractors  
(800) 533-9293  
FAX (209) 524-0503

415-229-1512

81883

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: V.A. MEDICAL CENTER / LIVERMORE, CA						Number of Containers	Analysis Required				REMARKS
SAMPLERS (signature): <i>Steven R Wade</i>							418.1	TPH AS DIESEL	PCB	Oil/grease	
Station Number	Date	Time	Comp.	Grab	Station Location						
#1	11/09	2:30		✓	NORTH END 12K WEST TANK 15'	1	✓	✓	✓		
#2	11/09	2:45		✓	NORTH END 12K EAST TANK 15'	1	✓	✓	✓		
#3	11/09	4:15		✓	SOUTH END 12K EAST TANK 15'	1	✓	✓	✓		
#4	11/09	4:50		✓	MIDDLE 12K EAST TANK 15'	1	✓	✓	✓		
#5	11/09	4:55		✓	MIDDLE 12K WEST TANK 15'	1	✓	✓	✓		
#6	11/09	5:00		✓	SOUTH END 12K WEST TANK 15'	1	✓	✓	✓		
#7	11/09	2:00		✓	Composite Spills	1	✓	✓	✓		
#7	28F4	11/09		✓	Composite Spills	1	✓	✓	✓		
#7	35F4	11/09		✓	Composite Spills	1	✓	✓	✓		
#7	40F4	11/09		✓	Composite Spills	1	✓	✓	✓		
Relinquished by (signature): <i>Steven R Wade</i>		Date / Time 11/09 / 5:25 PM		Received by (signature): <i>Rachel Matillo</i>		Relinquished by (signature): <i>Rachel Matillo</i>		Date / Time 11-9-90		Received by (signature):	
Company or Agency: SEMCO		SD/5205M		Company or Agency: EXPRESS IT		Company or Agency: EXPRESS IT		1913		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): <i>[Signature]</i>		Date / Time 11/9/90		Remarks/Shipping Information			
Company or Agency:											

Please print or type. (Form designed for use on elite (12-pitch typewriter).)

**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator's US EPA ID No. **CA133161001717415**

Manifest Document No.

2. Page 1 of

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address  
**Veterans Adm. Hospital 4951 Arroyo Rd.**

A. State Manifest Document Number  
**90005068**

4. Generator's Phone **(415) 447-2560 Livermore CA 94550**

B. State Generator's ID  
**CA133161001717415**

5. Transporter 1 Company Name  
**ALLIED PETROLEUM**

C. State Transporter's ID  
**100189**

6. US EPA ID Number  
**C A D D E R B D B E E E**

D. Transporter's Phone  
**209-575-3533**

7. Transporter 2 Company Name  
**RAVUS ENVIRONMENTAL SERVICES**

E. State Transporter's ID  
**C A D D E R B D B E E E**

8. US EPA ID Number  
**C A D D E R B D B E E E**

F. Transporter's Phone  
**415-371-2570**

9. Designated Facility Name and Site Address  
**1615 SOUTH RIVER ROAD, WEST SACRAMENTO, CA 95691**

G. State Facility's ID  
**C A D D E R B D B E E E**

H. Facility's Phone  
**916-371-2570**

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	13. Total Quantity	14. Unit Wt/Vol	1. Waste No.	
				State	EPA/Other
a. <b>Waste oil Combustible Liquid</b>				<b>221</b>	
<b>MS MA 1270</b>					
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above  
**90% water  
 10% Oil**

K. Handling Codes for Wastes Listed Above  
 a. b. c. d.

15. Special Handling Instructions and Additional Information  
**WEAR GLOVES & PROTECTIVE CLOTHING**

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  
 If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name **JAMES L. FITZGERALD** Signature *[Signature]* Month Day Year **11/10/96**

17. Transporter 1 Acknowledgement of Receipt of Materials  
 Printed/Typed Name **COLIN KELLEY** Signature *[Signature]* Month Day Year **11/10/96**

18. Transporter 2 Acknowledgement of Receipt of Materials  
 Printed/Typed Name Signature Month Day Year

19. Discrepancy indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name **MELISSA POWERS** Signature *[Signature]* Month Day Year **11/10/96**

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7650

GENERATOR

FACILITY

Do Not Write Below This Line