

S E M C O
ENVIRONMENTAL CONTRACTORS & GENERAL ENGINEERING
1741 LESLIE STREET
SAN MATEO, CALIFORNIA 94402

February 10, 1992

Mr. Rob Weston
Alameda County
Environmental Health
80 Swan Way
Oakland, California 94621

Re: Historic High School, Alameda

Dear Rob:

Please find enclosed the analytical, site map, manifests and chain of events for the tank removals at the Alameda Historic High School.

- 1) On December 27, 1991, we removed one 4000 gallon heating oil tank, and excavated soil was stockpiled on site. *HOW MUCH SOIL?*
- 2) On January 2, 1992, we excavated to the bottom of the tank pit and discovered the concrete pad that the tank was anchored to, and hand auggered samples at 11' at the North & South ends, along with a pit water sample at 12'. *ONE COMPOSITE* A composite sample was taken from the excavated spoils pile at the same time. All samples were run for TPH as diesel and BTXE by Superior Precision Analytical.
- 3) Shoring was installed so that we could gain access to the second tank, which was located approximately 5' under the concrete slab.
- 4) On January 8, 1992, the second tank was removed. The spoils were stockpiled on site. The excavation was filled with peagravel due to caving conditions. The total amount of stockpile spoils was approximately 140-160 cubic yards.
- 5) On January 13, 1992, two composite samples were taken from ~~excavated spoils pile~~ and analyzed for TPH as diesel and BTXE by ~~GeoAnalytical Labs~~ in Modesto.

If you have any questions, please don't hesitate to give me a call.

Sincerely,

Rhonda Reames-Kiper
Rhonda Reames-Kiper
SEMCO-SAN MATEO

*WHO TOOK THE SAMPLES?
CHAIN OF CUSTODY
PROTOCOL*

Post Net brand		No. of Pages		Today's Date		Time	
Fax Transmittal Memo 7672		1		2/4/92		8:40	
To: Rob Weston		From: Kim		Company: SEMCO			
Company: Alameda County		Location:		Dept. Charge:			
Location:		Fax #:		Telephone #:			
Fax # 569-5886		Telephone #:		Original Disposition:		<input type="checkbox"/> Destroy <input type="checkbox"/> Return <input type="checkbox"/> Call for pickup	
Comments: 569-4757		Letter from Mountain View Landfill per your request.					

02/06/1992 15:36 FROM SEMCO MODESTO CA. DIV. TO SEMCO SAN MATEO P.01



FEB - 6 RECD
CITY OF MOUNTAIN VIEW

Utilities Department • Solid Waste Division
1 North Whisman Road • Post Office Box 7540 • Mountain View, CA 94039-7540 • 415-908-6329 • FAX 415-962-0911

February 3, 1992

SEMCO
Attention Ms. Terry Hamilton
431 West Hatch Road
Modesto, CA 95351

AUTHORIZATION FOR DISPOSAL OF CONTAMINATED SOILS

Dear Ms. Hamilton:

Reference: Your fax of January 21, 1992 with analysis from Geo Analytical, No. D20050-51

Source of Material: Alameda Unified School District

Quantity: Approximately 150 cubic yards

Subject to the materials accepted having at or less than the amount of compounds present as indicated by your analysis and subject to the materials meeting the California Water Quality Control Board's Standards for the City of Mountain View Landfill, the materials are accepted for disposal. Please inform me in advance of disposal as to the date and time of delivery and the trucking company being used. Due to space limitations, be advised bottom-dump trucks are not allowed, and we prefer truck and PUP combinations over semi and dumps when possible. If it has rained an appreciable amount in the previous week, call ahead to determine if the dirt disposal area is open.

Effective January 1, 1992, the disposal fee will be \$17.60 per cubic yard unless mixed with refuse or plastic, in which case the disposal fee will be \$20.50 per cubic yard. This may be paid at the landfill gatehouse using either cash (no company checks or personal checks), credit card (VISA or Mastercard) or the City's coupon system.

Please feel free to contact me at (415) 903-6227 if you have any questions.

Sincerely,

Terry E. Dill
Landfill Operations Specialist

TED/SNO/760-1-31-92FI/DL

GeoAnalytical Laboratories, Inc.1031 Kansas Ave.
Modesto, California 95351Phone (209) 572-0900
Fax # (209) 572-0916**REPORT**

Report# D013-06

Date: 1/14/92

Semco
431 W. Hatch Rd.
Modesto, CA 95351Date Received: 1/13/92
Date Started: 1/14/92
Date Completed: 1/14/92

Project # Project Name: Alameda U.S.D. / Alameda, CA

Sample ID: Composite of Spoils Stockpile North & South
Lab ID: D20050-51

Method: 8020

Detection Limit µg/kg	Analyte	Amount Found µg/kg
5.0	Benzene	ND
5.0	Toluene	ND
5.0	Ethyl Benzene	ND
5.0	Total Xylene	ND

Richard Sereno
Richard Sereno
Chemist

Donna Allsup
Donna Allsup
Laboratory Director

Certification# E757

GeoAnalytical Laboratories, Inc.

1031 Kansas Ave.
Modesto, California 95351

Phone (209) 572-0900
Fax #: (209) 572-0916

REPORT

Report# D013-06

Date: 1/16/92

Semco
431 W. Hatch Rd.
Modesto, CA 95351

Date Received: 1/13/92
Date Started: 1/14/92
Date Completed: 1/16/92

Project #

Project Name: Alameda U.S.D., Alameda CA

Sample ID: Composite of Spoils Stockpile North and South
Lab ID: D20050-51

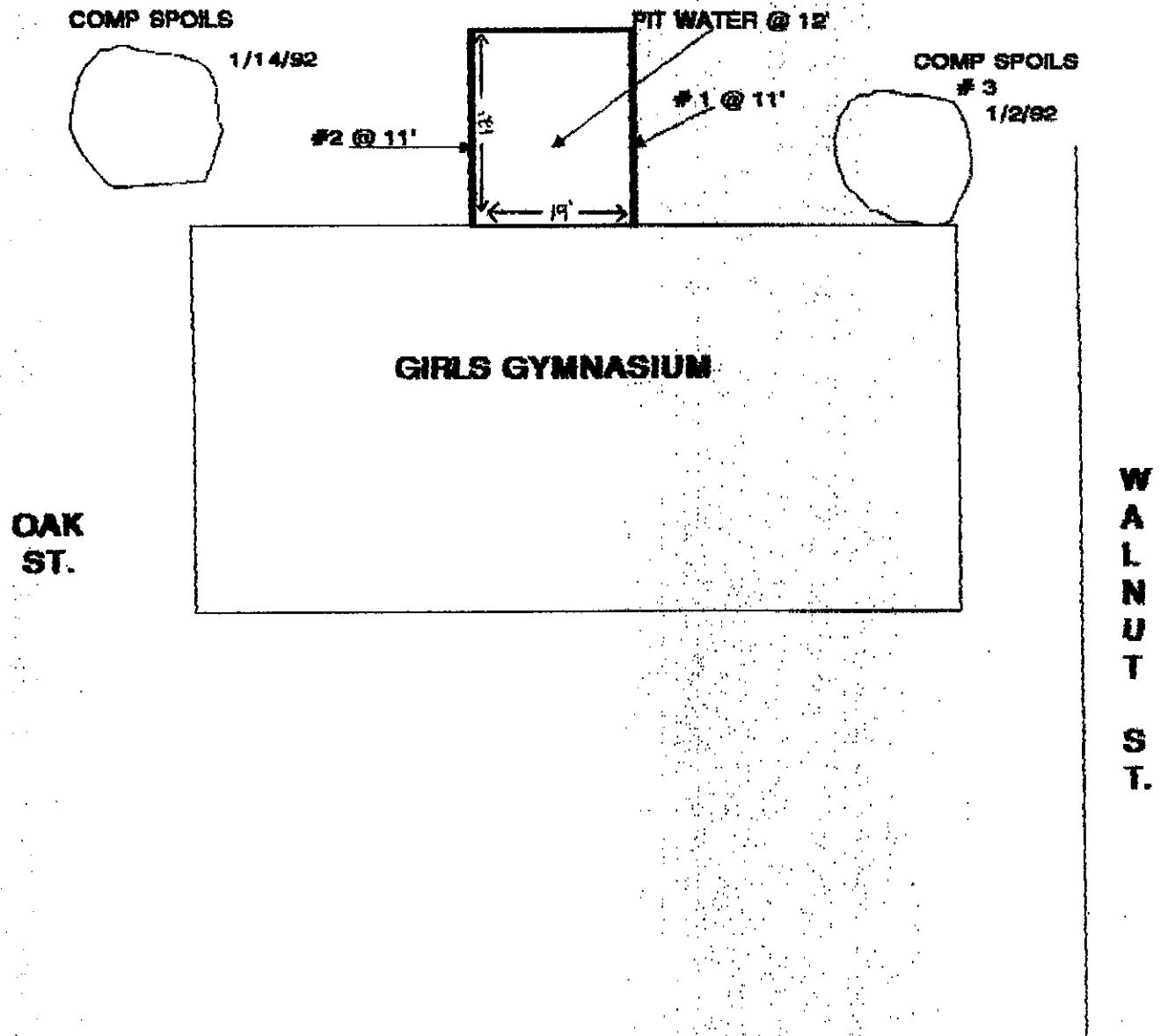
Method: TEPH-LUFT

Detection Limit mg/kg	Analyte	Amount Found mg/kg
5.0	Kerosene	ND
5.0	Diesel	25
50	Oil	ND

Richard Sereno
Richard Sereno
Chemist

Donna Allsup
Donna Allsup
Laboratory Director

Certification #E757



CENTRAL AVENUE

SENCO

**ALAMEDA
HISTORIC HIGH SCHOOL
2200 CENTRAL AVENUE
ALAMEDA, CALIFORNIA**



Superior Precision Analytical, Inc.

1555 Burke, Unit 1 • San Francisco, California 94124 • (415) 647 7081 / fax (415) 821-7123

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

LABORATORY NO.: 54432
 CLIENT: SEMCO
 CLIENT JOB NO.: 91-1122

DATE RECEIVED: 01/02/92
 DATE REPORTED: 01/03/92

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

LAB #	Sample Identification	Concentration (ng/kg) Diesel Range
1	SOUTH END AT 11'	ND<10
2	NORTH END AT 11'	ND<10

ng/kg - parts per million (ppm)

Minimum Detection Limit for Diesel in Soil: 10ng/kg

QAQC Summary:

Daily Standard run at 200mg/L: %DIFF Diesel = <15%
 MS/MSD Average Recovery = 93%: Duplicate RPD = 7.2%

Richard Srna, Ph.D.

Gregory A. Nowogrodski
 Laboratory Director



Superior Precision Analytical, Inc.

1532 Burke, Unit 1 • San Francisco, California 94124 • (415) 647-7081 / fax (415) 821-7123

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

LABORATORY NO.: 54432
 CLIENT: SEMCO
 CLIENT JOB NO.: 91-1122

DATE RECEIVED: 01/02/92
 DATE REPORTED: 01/03/92

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	SOUTH END AT 11'	ND<3	ND<3	ND<3	ND<3
2	NORTH END AT 11'	ND<3	ND<3	ND<3	ND<3

ug/kg - parts per billion (ppb)

Minimum Detection Limit in Soil: 3.0ug/kg

QA/QC Summary:

Daily Standard run at 20ug/L: %DIFF 8020 = <15%
 MS/MSD Average Recovery = 96%: Duplicate RPD = 1.7%

Comments:

Richard Srna, Ph.D.

Quynh A. Nguyen (Sv)
 Laboratory Director



Superior Precision Analytical, Inc.

1555 Burke, Unit 1 • San Francisco, California 94124 • (415) 647-2081 / fax (415) 821-7123

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

LABORATORY NO.: 54432
 CLIENT: SEMCO
 CLIENT JOB NO.: 91-1122

DATE RECEIVED: 01/02/92
 DATE REPORTED: 01/03/92

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

LAB #	Sample Identification	Concentration (mg/kg) Diesel Range
3	COMPOSITE SOILS	ND<10
4	PIT WATER AT 12'	ND<10

mg/kg - parts per million (ppm)

Minimum Detection Limit for Diesel in Soil: 10mg/kg

QAQC Summary:

Daily Standard run at 200mg/L: %DIFF Diesel = <15
 MS/MSD Average Recovery = 93%: Duplicate RPD = 7.2%

Richard Srna Ph.D.

Laboratory Director



Superior Precision Analytical, Inc.

1555 Burke, Unit 1 • San Francisco, California 94124 • (415) 647-2081 / fax (415) 821-7123

CERTIFICATE OF ANALYSIS

LABORATORY NO.: 54432
CLIENT: SEMCO
CLIENT JOB NO.: 91-1122

DATE RECEIVED: 01/02/92
DATE REPORTED: 01/03/92

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
3	COMPOSITE SOILS	ND<3	ND<3	ND<3	ND<3
4	PIT WATER AT 12'	ND<0.3	0.6	1.2	1.8

ug/kg - parts per billion (ppb)

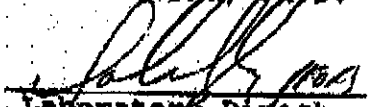
Minimum Detection Limit in Soil: 3.0ug/kg

QAQC Summary:

Daily Standard run at 20ug/L: %DIFF 8020 = <15
MS/MSD Average Recovery ~94%: Duplicate RPD = 8.6%

Comments:

Richard Srna, Ph.D.


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 JOEY WOODS
 Phone (415) 572-8888

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

SUPERIOR ANALYTICAL, INC.
 Martinez San Francisco
 415/229-1612 415/547-2081

Send Coolers to : Modesto San Mateo
 Project No. / P.O. No. 91-1122 Alameda High

Sampler SEMCO
 Regulatory Agency Alameda County Health Dept.

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	ORG	8010	8240	Metals	Others * Subject to Subcontracting	Date	Time	Containers		Sampling Remarks
													Quantity	Pres.	
1 South End at 11' C	S		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>						1/2	1:30	1	ICE	ASAP-TAT
2 North End at 11' D	S		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>						1/2	1:30	1	ICE	ASAP-TAT
3 Composite Soils	S		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>						1/2	1:30	4	ICE	Normal Time
4 Pit H ₂ O @ 12'	W		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>						1/2	2:00	2		Normal Time
5															
6															
7															
8															
9															
10															
11															
12															

Relinquished by [Signature]
 Organization SEMCO

Relinquished by _____
 Organization _____

Relinquished by _____
 Organization _____

Date/Time 1/2/92 2:32

Date/Time _____

Date/Time _____

Received by Nuba [Signature]
 Organization EXPRESS-IT

Received by _____
 Organization _____

Received by _____
 Organization _____

Please label _____
 Sample Stored in Ice _____
 Appropriate Containers _____
 Samples Preserved _____
 VOA's without Headspace _____
 Comments _____

02/18/1992 16:28 FROM SEMCO SAN MATEO CA, DTU TO 15105683786 P.07

License # 449864

A,B, C-61/D40

Hazardous Substances Certification

(800) 831-2344

(415) 572-8033

(415) 572-9734 FAX

SESCO

JAMES C. BAYNEAN PETROLEUM SERVICES, INC.

431 W. Hotel St., Modesto, Calif. 95351
General & Engineering Contractors
(909) 933-6283

SESCO - OIL HEAT P.V.G. DIVISION

JAMES C. BAYNEAN PETROLEUM SERVICES, INC.

1408 Lewis St., San Mateo, Calif. 94402
General & Engineering Contractors
(800) 633-6283

DO13-06

CHAIN OF CUSTODY RECORD

PROJECT NAME: ALAMEDA USD / Alameda, CA.						Number of Containers	Analysis Required TPH/HD/PAH/Lead/Level BTEX: ES				REMARKS
SAMPLERS (signature): Steven R. Wade											
Station Number	Date	Time	Comp.	Grab	Station Location						
Composite	04/10	12:00 PM		✓	Spills Stockpile North	2	✓	✓	Composite	Ice & REFRIGERATED D2005	
Composite	04/10	1:45 PM		✓	Spills Stockpile South	2	✓	✓	Info one	Ice & REFRIGERATED D2005	
										per mit tiffin; sesco: 01/13/91 @ 3:23 PM PJ	
Relinquished by (signature): Steven R. Wade Company or Agency: SESCO			Date / Time: 04/10 / 1:45 PM	Received by (signature): Mike [Signature] Company or Agency: SESCO		Relinquished by (signature): Company or Agency:			Date / Time:	Received by (signature): Company or Agency:	
Relinquished by (signature): Company or Agency:			Date / Time:	Received by (signature): Company or Agency:		Relinquished by: Company or Agency:			Date / Time:	Received by (signature): Company or Agency:	
Relinquished by (signature): Mike [Signature] Company or Agency: SESCO			Date / Time: 04/10 / 2:30	Received for Laboratory by: (signature) Mike [Signature]		Date / Time:			Remarks/Shipping Information		

TOTAL P. 03
TOTAL P. 10