

(415) 429-8088  
(800) 523-8088  
FAX (415) 429-8089

Of Northern California

April 23, 1991

Ms. Cynthia Chapman  
Alameda County Health Care Services Agency  
Department of Environmental Health  
Hazardous Materials Division  
80 Swan Way, Room 200  
Oakland, CA 94621

Re: Analytical Results for White GMC, 5050 Coliseum Way, Oakland, CA 94601

Dear Cynthia:

Attached are copies of Analytical reports, chain-of-custody documentation and site plan for remaining water sample collected from the waste oil tank pit after water was purged in the subject site.

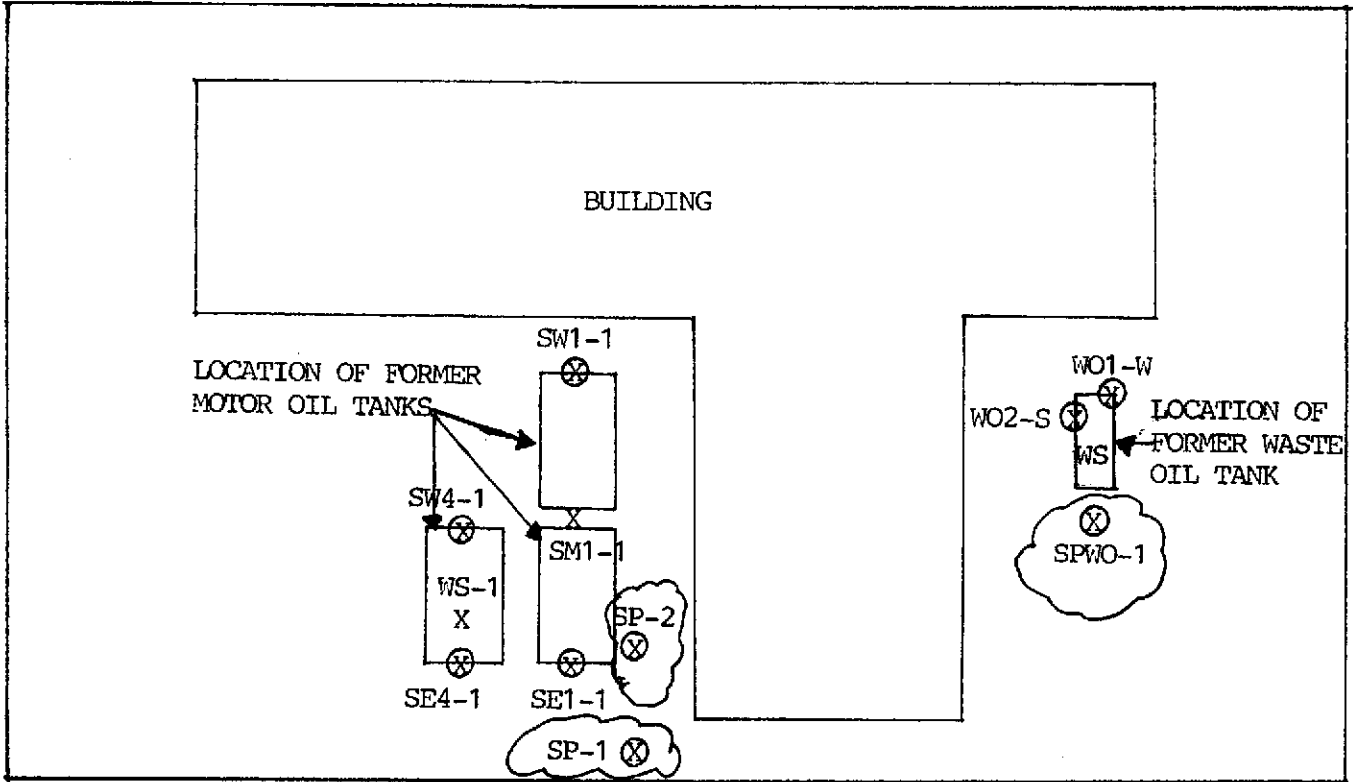
If you have any questions please contact our office.

Sincerely,

TANK PROTECT ENGINEERING

91 APR 23 AM 10:16

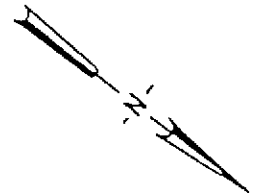
COLISEUM WAY



NOT TO SCALE

LEGEND

- SW1-1  
⊗ LOCATION AND NAME OF SOIL SAMPLES
- WS-1  
X LOCATION AND NAME OF WATER SAMPLE
- WS LOCATION AND NAME OF WATER SAMPLE AT WASTE OIL TANK PIT

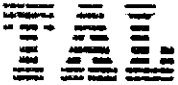


SITE PLAN  
VOLVO GM HEAVY TRUCK CORPORATION  
5050 COLISEUM WAY  
OAKLAND, CA

**Trace Analysis Laboratory, Inc.**

3423 Investment Boulevard, #8 • Hayward, California 94545

Telephone (415) 783-6960  
Facsimile (415) 783-1512



April 4, 1991

Mark Zomorodi  
Tank Protect Engineering  
2821 Whipple Road  
Union City, CA 94587

Dear Mr. Zomorodi:

Trace Analysis Laboratory received one water sample on March 29, 1991, for your Project No. 115A-032891, Volvo GMC Heavy Truck Corp. Oakland, CA (our custody Log Number 9717).

These samples were analyzed for Total Petroleum Hydrocarbons as Diesel, Gasoline, Benzene, Toluene, Xylenes, Ethylbenzene and Oil and Grease (Standard Method 5520DF). Our analytical report and the completed chain of custody form are enclosed for your review.

Trace Analysis Laboratory is certified under the California Environmental Laboratory Accreditation Program. Our certification number is 1199.

If you should have any questions or require additional information, please call me.

Sincerely yours,

A handwritten signature in black ink, appearing to read 'Gerald H. Nieder-Westermann', written over a horizontal line.

Gerald H. Nieder-Westermann  
Project Specialist

GNW:gnw

Enclosures

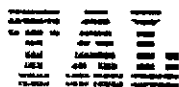
*no meters?*

**Trace Analysis Laboratory, Inc.**

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LOG NO.: 9717  
DATE SAMPLED: 3/26/91  
DATE RECEIVED: 3/29/91  
DATE EXTRACTED: 4/02/91  
DATE ANALYZED: 4/04/91  
DATE REPORTED: 4/04/91

CUSTOMER: Tank Protect Engineering  
REQUESTER: Mark Zomorodi  
PROJECT: No. 153A-032891, Volvo GMC Heavy Truck Corp., Oakland

Sample Type: Water

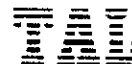
<u>Method and Constituent</u>	<u>Units</u>	<u>WS</u>		<u>Method Blank</u>	
		<u>Concentration</u>	<u>Reporting Limit</u>	<u>Concentration</u>	<u>Reporting Limit</u>
DHS Method:					
Total Petroleum Hydrocarbons as Diesel	ug/l	3,100	50	ND	50

QC Summary:

% Recovery: 130  
% RPD: 2.5

*3.1 ppm*

The sample indicated compounds eluting earlier and later than diesel.  
Concentrations reported as ND were not detected at or above the reporting limit.



LOG NO.: 9717  
 DATE SAMPLED: 3/26/91  
 DATE RECEIVED: 3/29/91  
 DATE ANALYZED: 4/04/91  
 DATE REPORTED: 4/04/91  
 PAGE: Two

Sample Type: Water

Method and Constituent	Units	WS		Method Blank	
		Concentration	Reporting Limit	Concentration	Reporting Limit
DHS Method:					
Total Petroleum Hydrocarbons as Gasoline	ug/l	650	50	ND	50
Modified EPA Method 8020:					
Benzene	ug/l	2.6	0.5	ND	0.5
Toluene	ug/l	42	0.5	ND	0.5
Xylenes	ug/l	14	2	ND	2
Ethylbenzene	ug/l	7.6	0.5	ND	0.5

QC Summary:

% Recovery: 94  
 % RPD: 5.3

Concentrations reported as ND were not detected at or above the reporting limit.

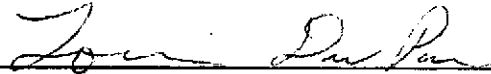
LOG NO.: 9717  
 DATE SAMPLED: 3/26/91  
 DATE RECEIVED: 3/29/91  
 DATE EXTRACTED: 4/02/91  
 DATE ANALYZED: 4/04/91  
 DATE REPORTED: 4/04/91  
 PAGE: Three

Sample Type: Water

<u>Method and Constituent</u>	<u>Units</u>	<u>WS</u>		<u>Method Blank</u>	
		<u>Concen- tration</u>	<u>Reporting Limit</u>	<u>Concen- tration</u>	<u>Reporting Limit</u>
Standard Method 5520DF, Hydrocarbons:					
Oil and Grease	ug/l	7,900	1,000	ND	1,000
<u>QC Summary:</u>		7.9			

% Recovery: 45  
 % RPD: 20

Concentrations reported as ND were not detected at or above the reporting limit.

  
 Louis W. DuPuis  
 Quality Assurance/Quality Control Manager



TANK PROTECT ENGINEERING

2821 WHIPPLE ROAD  
 UNION CITY, CA 94587  
 (415) 429-8088  
 (800) 523-8088  
 FAX (415) 429-8089

P.O. 187

CHAIN OF CUSTODY

3/29/91 4:50pm  
 As per [signature] Page 1 of 1  
 requirements  
 06520DF

PROJECT NO. 153A-03289			SITE NAME & ADDRESS VOLVO GMC HEAVY TRUCK CORP. OAKLAND			(1) TYPE OF CONTAINER	ANALYTES REQUESTED TOTAL LIGHT HC AROMATIC HC TOTAL HEAVY HC (BTEX) OIL & GREASE POC SCUM OTHER P/B FOR METALS	Cd, Cr, Pb, Zn, Ni
SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER TANK PROTECT ENGINEERING Tel (415) 429 8088 2821 WHIPPLE ROAD UNION CITY, CA FAX (415) 429 8089								
ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION			
WS	03/26	1630		✓		2-40ml 2-1/2 lints 1-plastic	✓	✓
								2-40ml/pres 1-IL 1-IL/pres H <sub>2</sub> SO <sub>4</sub> 1-plastic/HNO <sub>3</sub> Green 7/2
Relinquished by: (Signature) [Signature]			Date / Time 3/28/91 11:05pm		Received by: (Signature) [Signature]		Relinquished by: (Signature)	
Relinquished by: (Signature) [Signature]			Date / Time 3/28/91 2:20pm		Received by: (Signature) [Signature]		Relinquished by: (Signature) [Signature]	
Relinquished by: (Signature)			Date / Time		Received for Laboratory by: (Signature)		Date / Time	
					[Signature]		Remarks 5 day TAT	

initiated 3/28/91  
 DATE: 03/26/91

**Trace Analysis Laboratory, Inc.**

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LOG NO.: 9738  
DATE SAMPLED: 4/04/91  
DATE RECEIVED: 4/04/91  
DATE EXTRACTED: 4/08/91  
DATE ANALYZED: 4/09/91  
DATE REPORTED: 4/15/91

CUSTOMER: Tank Protect Engineering  
REQUESTER: Mark Zomorodi  
PROJECT: No. 153A, Volvo GMC Heavy Truck Corp., Oakland

Sample Type: Water

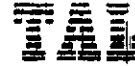
<u>Method and Constituent:</u>	<u>Units</u>	<u>WS</u>		<u>Method Blank</u>	
		<u>Concen- tration</u>	<u>Reporting Limit</u>	<u>Concen- tration</u>	<u>Reporting Limit</u>
EPA Method 8080 for PCB:					
Aroclor 1016	ug/l	ND	0.1	ND	0.1
Aroclor 1221	ug/l	ND	0.1	ND	0.1
Aroclor 1232	ug/l	ND	0.1	ND	0.1
Aroclor 1242	ug/l	ND	0.1	ND	0.1
Aroclor 1248	ug/l	ND	0.1	ND	0.1
Aroclor 1254	ug/l	ND	0.1	ND	0.1
Aroclor 1260	ug/l	ND	0.1	ND	0.1

Concentrations reported as ND were not detected at or above the reporting limit.

QC Summary:

% Recovery: 124  
% RPD: 2.4



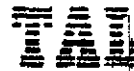


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 DATE EXTRACTED: 4/08/91  
 DATE ANALYZED: 4/11/91  
 DATE REPORTED: 4/15/91  
 PAGE: Two

Sample Type: Water

Method and Constituent:	Units	WS		Method Blank	
		Concen- tration	Reporting Limit	Concen- tration	Reporting Limit
EPA Method 8270 for: Polynuclear Aromatics (PNAs)					
Naphthalene	ug/l	ND	10	ND	10
Acenaphthylene	ug/l	ND	10	ND	10
Acenaphthene	ug/l	ND	10	ND	10
Fluorene	ug/l	ND	10	ND	10
Phenanthrene	ug/l	ND	10	ND	10
Pyrene	ug/l	ND	10	ND	10
Anthracene	ug/l	ND	10	ND	10
Benzo(a)Anthracene	ug/l	ND	10	ND	10
Chrysene	ug/l	ND	10	ND	10
Fluoranthene	ug/l	ND	10	ND	10
Benzo(b)Fluoranthene	ug/l	ND	10	ND	10
Benzo(k)Fluoranthene	ug/l	ND	10	ND	10
Benzo(a)Pyrene	ug/l	ND	10	ND	10
Indeno(1,2,3-cd)Pyrene	ug/l	ND	10	ND	10
Dibenzo(a,h)Anthracene	ug/l	ND	10	ND	10
Benzo(g,h,i)Perylene	ug/l	ND	10	ND	10

Concentrations reported as ND were not detected at or above the reporting limit.

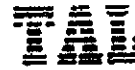


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DATE REPORTED: 4/15/91  
PAGE: Three

Sample Type: Water

Method and Constituent:	Units	WS		Method Blank	
		Concen- tration	Reporting Limit	Concen- tration	Reporting Limit
EPA Method 8270 for: Polychlorinatedphenols (PCPs)					
Pentachlorophenol	ug/l	ND	10	ND	10
2,4-Dichlorophenol	ug/l	ND	10	ND	10
2,4,5-Trichlorophenol	ug/l	ND	10	ND	10
2,4,6-Trichlorophenol	ug/l	ND	10	ND	10

Concentrations reported as ND were not detected at or above the reporting limit.

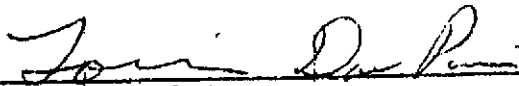


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 DATE REPORTED: 4/15/91  
 PAGE: Four

Sample Type: Water

Method and Constituent:	Units	WS		Method Blank	
		Concen- tration	Reporting Limit	Concen- tration	Reporting Limit
EPA Method 8270 for:					
Coal-Tar Creosote	ug/l	ND	10	ND	10
<u>Surrogate % Recovery:</u>					
Pentafluorophenol			87		107
4-Fluoroaniline			76		50
Decafluorobiphenol			95		154

Concentrations reported as ND were not detected at or above the reporting limit.

  
 Louis W. DuPuis  
 Quality Assurance/Quality Control Manager