

June 15, 1999

Mr. Nissan Saidain
5733 Medallion Court
Castro Valley, California 94522

Re: Request for Closure In-place of Waste Oil Storage Tank
Oakland Truck Stop
8255 San Leandro Street
Oakland, California 94621

99 JUN 25 PM 3:43
ENVIRONMENTAL
PROTECTION

Mr. Saidian:

The following letter has been written in order to request closure in-place of the 500-gallon waste oil storage tank (WOST) located at the above referenced site. Soil and groundwater samples have been collected in order to obtain authorization from the City of Oakland Fire Department and Alameda County Environmental Health for closure in-place of the WOST.

In January of 1999, Penn Environmental attempted to remove the WOST. Due to underground utility lines located directly above the tank, removal activities were abandoned. Mr. Hernan Gomez of the Oakland Fire Department was immediately contacted in order to discuss options other than removal of the WOST. Mr. Gomez informed Penn Environmental that closure in-place would be granted if a soil sample collected directly adjacent to the bottom of the tank reported non-detectable concentrations for the required constituents.

On January 7, 1999, one soil sample was collected directly below the WOST (sample number 010799-801) and reported non-detectable concentrations of TPHg, TPHd, BTEX, MTBE and VOCs. Low levels of lead (5.5 ppm) and 135 ppm of Oil and Grease were also detected in this sample. Based on these results, Mr. Gomez stated that additional testing would be required in order to close the WOST in-place.

During an unrelated Subsurface Soil and Groundwater investigation at the Site on February 19, 1999, one soil boring (boring MW-4) was drilled to 15-feet bgs directly adjacent and down-gradient of the WOST. Three soil samples were collected at 5-foot intervals and one groundwater sample was collected from this boring. Results of the soil samples reported non-detectable concentrations of VOCs and low levels of TPH. The groundwater sample reported non-detectable concentrations of VOCs and low levels of TPH (1.1 ppb).

Based on these results, Mr. Gomez and Mr. Barney Chan of the Alameda County Department of Environmental Health stated that if a sample of the groundwater, which had accumulated in the WOST pit, reported non-detectable concentrations of Total Oil and Grease (TOG) closure in-place would be granted. On April 26, 1999, groundwater sample 042699-W1 was collected from the standing water within the pit. This sample reported non-detectable concentrations of TOG.

Based on the sample results reported to date, the owner of the Site requests closure in-place of the WOST. All sample results are contained within the Appendices.

Should you have any questions, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Eric J. Zamb". The signature is stylized with a large, rounded initial "E" and a long, sweeping underline.

Eric J. Zamb
Project Manager

Distribution: Mr. N. Saidian (3 copies)-Owner
 Mr. B. Chan (1 copy)-Alameda County
 Mr. H. Gomez (1 copy)-Oakland Fire Department
 Ms. C. Gordon (1 copy)-UST Cleanup Fund



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SITE PLAN**

APPENDIX A
INITIAL SOIL SAMPLE RESULT

JAN-19-99 TUE 15:20

KIFF ANALYTICAL

FAX NO. 5302974803

P. 01/04



Report Number : 13097

Date : 01/19/99

Eric Zamb
Penn Environmental
1261 Travis Blvd., Suite 380
Fairfield, CA 94533

Subject : 1 Soil Sample
Project Name : Oakland Truck Stop
Project Number :

Dear Mr. Zamb,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,


Joel Kiff

JAN-19-99 TUE 15:20

KIFF ANALYTICAL

FAX NO. 5302974803

P. 02/04



Report Number : 13097

Date : 01/19/99

Project Name : **Oakland Truck Stop**

Project Number :

Sample : 010799-801

Matrix : Soil

Sample Date :01/07/99

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/11/99
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/11/99
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/11/99
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/11/99
Methyl-t-butyl ether	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/11/99
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	01/11/99
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	01/13/99
Toluene - d8 (Surr)	106		% Recovery	EPA 8260B	01/11/99
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	01/11/99
1-Chlorooctadecane (Diesel Surrogate)	113		% Recovery	M EPA 8015	01/13/99
Chloromethane	< 0.0050	0.0050	mg/Kg	EPA 8240A	01/11/99
Vinyl Chloride	< 0.0050	0.0050	mg/Kg	EPA 8240A	01/11/99
Bromomethane	< 0.0050	0.0050	mg/Kg	EPA 8240A	01/11/99
Chloroethane	< 0.0050	0.0050	mg/Kg	EPA 8240A	01/11/99
Trichlorofluoromethane	< 0.0050	0.0050	mg/Kg	EPA 8240A	01/11/99
1,1-Dichloroethene	< 0.0050	0.0050	mg/Kg	EPA 8240A	01/11/99
Methylene Chloride	< 0.0050	0.0050	mg/Kg	EPA 8240A	01/11/99
trans-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	EPA 8240A	01/11/99
1,1-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8240A	01/11/99
cis-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	EPA 8240A	01/11/99
Chloroform	< 0.0050	0.0050	mg/Kg	EPA 8240A	01/11/99
1,1,1-Trichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8240A	01/11/99
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8240A	01/11/99
Carbon Tetrachloride	< 0.0050	0.0050	mg/Kg	EPA 8240A	01/11/99
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8240A	01/11/99
Trichloroethene	< 0.0050	0.0050	mg/Kg	EPA 8240A	01/11/99
1,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	EPA 8240A	01/11/99
Bromodichloromethane	< 0.0050	0.0050	mg/Kg	EPA 8240A	01/11/99
cis-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	EPA 8240A	01/11/99
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8240A	01/11/99
trans-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	EPA 8240A	01/11/99
1,1,2-Trichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8240A	01/11/99

Approved By: Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

JAN-19-99 TUE 15:21

KIFF ANALYTICAL

FAX NO. 5302974803

P. 03/04



Report Number : 13097

Date : 01/19/99

Project Name : **Oakland Truck Stop**

Project Number :

Sample : 010799-801

Matrix : Soil

Sample Date :01/07/99

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Tetrachloroethene	< 0.0050	0.0050	mg/Kg	EPA 8240A	01/11/99
Dibromochloromethane	< 0.0050	0.0050	mg/Kg	EPA 8240A	01/11/99
Chlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8240A	01/11/99
1,1,1,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	EPA 8240A	01/11/99
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8240A	01/11/99
P,M-Xylene	< 0.0050	0.0050	mg/Kg	EPA 8240A	01/11/99
O-Xylene	< 0.0050	0.0050	mg/Kg	EPA 8240A	01/11/99
Styrene	< 0.0050	0.0050	mg/Kg	EPA 8240A	01/11/99
Bromoform	< 0.0050	0.0050	mg/Kg	EPA 8240A	01/11/99
1,1,2,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	EPA 8240A	01/11/99
1,3-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8240A	01/11/99
1,4-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8240A	01/11/99
1,2-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8240A	01/11/99
Acetone	< 0.050	0.050	mg/Kg	EPA 8240A	01/11/99
2-Butanone	< 0.050	0.050	mg/Kg	EPA 8240A	01/11/99
4-Methyl-2-Pentanone	< 0.0050	0.0050	mg/Kg	EPA 8240A	01/11/99
2-Hexanone	< 0.0050	0.0050	mg/Kg	EPA 8240A	01/11/99
Dibromofluoromethane (Surr)	101		% Recovery	EPA 8240A	01/11/99
1,2 Dichloroethane-d4 (Surr)	100		% Recovery	EPA 8240A	01/11/99
Toluene - d8 (Surr)	108		% Recovery	EPA 8240A	01/11/99
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8240A	01/11/99

Approved By:  Joel Kiff



Alpha

Alpha Analytical Laboratories Inc. • 860 Waugh Lane, H-1, Ukiah, California 95482

CHEMICAL EXAMINATION REPORT (707) 468-0401

Kiff Analytical
720 Olive Drive
Suite D
Davis, CA 95616
Attn: Joel Kiff

Date Printed
1/14/99
Page
1

Batch Number	Receipt Date	Client	Client P.O.	Send Via
99-0108-026	01/08/99 10:40	KIFFLAB	13097	Mail

BATCH	METHOD	EXTRACTED	TEST DATE	RESULT	UNITS	PQL	DILUTION
Batch 99-0108-026 consisted of 1 Sample and 2 Tests							
Sample 1	010799-801	Oakland Truck Stop					
	Sample Type: Soil	Sampled by:	Sampled: 1/07/99				
Lead	6010		1/11/99	5.5	mg/kg	5	
Oil & Grease	5520D&F		1/12/99	135	mg/kg	50	

PQL - Practical Quantitation Limit ND - None Detected
* - Indicated Detection Limit altered due to Sample Dilution

NOTES:

Bruce L. Gove
Laboratory Director

Date Printed: 1/14/99

13097

KIFF ANALYTICAL SUBCONTRACT FORM

Subcontract Lab: **Alpha Analytical**
860 Waugh Lane, H-1
Ukiah, CA 95482

Please mail results to : Please fax to :

JOEL KIFF
KIFF ANALYTICAL
720 OLIVE DRIVE, SUITE D
DAVIS, CA 95616

530-297-4803

707-468-0401

Account No. : KIFFLAB

PROJECT NAME : Oakland Truck Stop

PROJECT NUMBER:

Sample	Matrix	Sampled	Tests	Due
010799-801	SO	01/07/99	Lead - ICAP	01/14/99
010799-801	SO	01/07/99	O&G GRAV + SILICA GEL (5520E,F)	01/14/99

99-0108-26-1

*1 - Baggie
1 - Jar*

Relinquished by: *Mary Corbit*
Relinquished by: _____
Relinquished by: _____

Date/Time: *1/7/99/1718*
Date/Time: *1/8/99/1040*
Date/Time: _____

Received by: _____
Received by: *Lisa Kelly* *Calif*
Received by: _____ *OKKITE*



720 Olive Drive, Suite D
Davis, CA 95616

Lab: 916.297.4800
Fax: 916.297.4808

13097

Page ___ of ___

Project Manager: **ERIC ZAMB** Phone No: **(707) 421-1595**

Chain-of-Custody Record and Analysis Request

Company/Address: **PENN ENVIRON.** FAX No: **(707) 425-0257**

Analysis Request

TAT For Lab Use Only

Project Number: PO. No.: Project Name: **W.D. TANK RILL OAKLAND TRUCK STOP**

Project Location: **GALLAND, CA 92555 SAN LEANDRO BLVD.** Sampler Signature: *[Signature]*

Sample Designation	Sampling		Container (Type/Amount)		Method Preserved				Matrix	Analysis Request							TAT	For Lab Use Only									
	Date	Time	VOA	SLEEVE 1L GLASS 500 ml	HCl	HNO ₃	ICE	NONE	WATER/SOIL	BTEX (8020)	BTEX/TPH Gas/MTBE (8020/8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	EPA8010	EPA 8080 - Pesticides	EPA 8080 - PCBs			EPA 8240	EPA 8270	CAM - 17 Metals	Lead (7421/238.2)	Cd, Cr, Pb, Zn, Ni	WE.T. (X)	TOTAL (X)		
010799-801	1/7/99	1158	1				1		S	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>			Lead		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			12 hr/24 hr/48 hr/72 hr/1 wk/2 wk	-01

Relinquished by: *[Signature]* Date: **1/7/99** Time: **4:15p** Received by: _____ Remarks:

Relinquished by: _____ Date: _____ Time: _____ Received by: _____ Email address: .doc .xls .txt other _____

Relinquished by: _____ Date: **1/7/99** Time: **1:01S** Received by Laboratory: *May Cabot* Bill to: _____

Distribution: White - Lab, Yellow - File, Pink - Originator

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JAN-19-99 TUE 15:21 KIFF ANALYTICAL FAX NO. 5302974803 P. 04/04
 Date: 1/19/99 Time: 3:00:34 PM Page 4 of 6

APPENDIX B
BORING RESULTS

MAR-18-99 THU 03:37

KIFF ANALYTICAL

FAX NO. 5302974803

P. 06/08



Report Number : 13480

Date : 03/18/99

Project Name : Oakland Truck Stop

Project Number : 98042

Sample : 030299-MW4

Matrix : Water

Sample Date :03/02/99

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Chloromethane	< 0.50	0.50	ug/L	EPA 8240A	03/06/99
Vinyl Chloride	< 0.50	0.50	ug/L	EPA 8240A	03/06/99
Bromomethane	< 0.50	0.50	ug/L	EPA 8240A	03/06/99
Chloroethane	< 0.50	0.50	ug/L	EPA 8240A	03/06/99
Trichlorofluoromethane	< 0.50	0.50	ug/L	EPA 8240A	03/06/99
1,1-Dichloroethene	< 0.50	0.50	ug/L	EPA 8240A	03/06/99
Methylene Chloride	< 0.50	0.50	ug/L	EPA 8240A	03/06/99
trans-1,2-Dichloroethene	< 0.50	0.50	ug/L	EPA 8240A	03/06/99
1,1-Dichloroethane	< 0.50	0.50	ug/L	EPA 8240A	03/06/99
cis-1,2-Dichloroethene	< 0.50	0.50	ug/L	EPA 8240A	03/06/99
Chloroform	< 0.50	0.50	ug/L	EPA 8240A	03/06/99
1,1,1-Trichloroethane	< 0.50	0.50	ug/L	EPA 8240A	03/06/99
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8240A	03/06/99
Carbon Tetrachloride	< 0.50	0.50	ug/L	EPA 8240A	03/06/99
Benzene	0.51	0.50	ug/L	EPA 8240A	03/06/99
Trichloroethene	< 0.50	0.50	ug/L	EPA 8240A	03/06/99
1,2-Dichloropropane	< 0.50	0.50	ug/L	EPA 8240A	03/06/99
Bromodichloromethane	< 0.50	0.50	ug/L	EPA 8240A	03/06/99
cis-1,3-Dichloropropene	< 0.50	0.50	ug/L	EPA 8240A	03/06/99
Toluene	< 0.50	0.50	ug/L	EPA 8240A	03/06/99
trans-1,3-Dichloropropene	< 0.50	0.50	ug/L	EPA 8240A	03/06/99
1,1,2-Trichloroethane	< 0.50	0.50	ug/L	EPA 8240A	03/06/99
Tetrachloroethene	< 0.50	0.50	ug/L	EPA 8240A	03/06/99
Dibromochloromethane	< 0.50	0.50	ug/L	EPA 8240A	03/06/99
Chlorobenzene	< 0.50	0.50	ug/L	EPA 8240A	03/06/99
1,1,1,2-Tetrachloroethane	< 0.50	0.50	ug/L	EPA 8240A	03/06/99
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8240A	03/06/99
P,M-Xylene	< 0.50	0.50	ug/L	EPA 8240A	03/06/99
O-Xylene	< 0.50	0.50	ug/L	EPA 8240A	03/06/99
Styrene	< 0.50	0.50	ug/L	EPA 8240A	03/06/99
Bromoform	< 0.50	0.50	ug/L	EPA 8240A	03/06/99
1,1,2,2-Tetrachloroethane	< 0.50	0.50	ug/L	EPA 8240A	03/06/99
1,3-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8240A	03/06/99
1,4-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8240A	03/06/99
1,2-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8240A	03/06/99

Approved By:  Joel Kiff

MAR-18-99 THU 03:38

KIFF ANALYTICAL

FAX NO. 5302974803

P. 07/08



Report Number : 13480

Date : 03/18/99

Project Name : **Oakland Truck Stop**Project Number : **98042**Sample : **030299-MW4**

Matrix : Water

Sample Date :03/02/99

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Acetone	< 50	50	ug/L	EPA 8240A	03/06/99
2-Butanone	< 5.0	5.0	ug/l.	EPA 8240A	03/06/99
4-Methyl-2-Pentanone	< 5.0	5.0	ug/L	EPA 8240A	03/06/99
2-Hexanone	< 5.0	5.0	ug/L	EPA 8240A	03/06/99
Dibromofluoromethane (Surr)	98.9		% Recovery	EPA 8240A	03/06/99
1,2-Dichloroethane-d4 (Surr)	98.2		% Recovery	EPA 8240A	03/06/99
Toluono - d8 (Surr)	101		% Recovery	EPA 8240A	03/06/99
4-Bromofluorobenzene (Surr)	99.3		% Recovery	EPA 8240A	03/06/99

Approved By:  Joel Kiff



Alpha Analytical Laboratories Inc. • 860 Waugh Lane, H-1, Ukiah, California 95482

CHEMICAL EXAMINATION REPORT (707) 468-0401

Kiff Analytical
720 Olive Drive
Suite D
Davis, CA 95616
Attn: Joel Kiff

Date Printed 3/05/99
Page 1

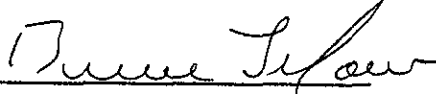
Batch Number 99-0303-005
Receipt Date 03/03/99 09:50
Client KIFFLAB
Client P.O. 13480
Send Via Mail

	METHOD	EXTRACTED	TEST DATE	RESULT	UNITS	PQL	DILUTION
Sample 2	030299-MW4	Oakland Truck Stop					
	98042						
Sample Type: Water		Sampled by:		Sampled: 3/02/99			
Total Petroleum Hydrocarbons		418.1	3/04/99	1.1	mg/l		1

PQL - Practical Quantitation Limit ND - None Detected
* - Indicates Detection Limit altered due to Sample Dilution

NOTES:

Bruce L. Gove
Laboratory Director


Date Printed: 3/05/99

Project Manager:
 MR. ERIL J. ZAMB

Phone No.:
 (707) 421-1595

Chain-of-Custody Record and Analysis Request

Company/Address:
 PENN ENVIRONMENTAL


FAX No.:
 (707) 425-0257

Project Number:
 98042

P.O. No.:

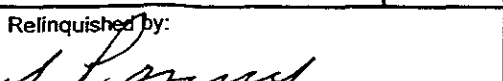
Project Name:
 OAKLAND TRUCK STOP

Project Location:
 8255 SAN LEANDRO ST., OAKLAND

Sampler Signature:


Analysis Request

Sample Designation	Sampling		Container (Type/Amount)				Method Preserved				Matrix	BTEX (8020)	BTEX/TPH Gas/MTBE (8020/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	5 Oxygenates/TPH Gas/BTEX (8260)	7 Oxygenates/TPH Gas/BTEX (8260)	5 Oxygenates (8260)	7 Oxygenates (8260)	EPA 8260	EPA 8270	Lead (7421/239.2)	Cd, Cr, Pb, Zn, Ni	Total Oil & Grease	8240 - VOCs	TAT	For Lab Use Only	
	Date	Time	40 ml VOA	SLEEVE	1L GLASS	500 ml GLASS	Sulfuric Acid	HCl	HNO ₃	ICE																		NONE
030299-MW1	3/2/99	1040	3						✓		W		✓	✓													2w	-01
030299-MW2	↓	1015	3	2		✓			✓		W												✓	✓			2w	-02
030299-MW3	↓	1120	3						✓		W		✓	✓													2w	-03
030299-MW4		1151	3	2		✓			✓		W												✓	✓			2w	-04

Relinquished by:


Date: 3/2/99
 Time: 1017

Received by: _____

Remarks:

Relinquished by: _____

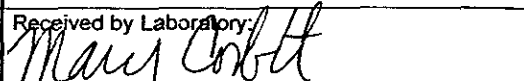
Date: _____
 Time: _____

Received by: _____

Email address:
 .doc .xls .txt other

Relinquished by: _____

Date: 3/2/99
 Time: 1617

Received by Laboratory: 

Bill to:

MAR-16-99 TUE 16:47

KIFF ANALYTICAL

FAX NO. 5302974803

P. 21/35



Report Number : 13409

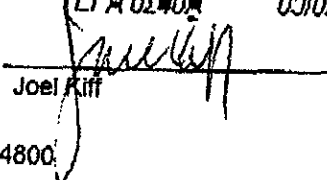
Date : 03/16/99

Project Name : **Oakland Truck Stop**Project Number : **98042**Sample : **021999-MW4-1C**

Matrix : Soil

Sample Date : 02/19/99

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Chloromethane	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/02/99
Vinyl Chloride	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/02/99
Bromomethane	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/02/99
Chloroethane	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/02/99
Trichlorofluoromethane	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/02/99
1,1-Dichloroethene	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/02/99
Methylene Chloride	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/02/99
trans-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/02/99
1,1-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/02/99
cis-1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/02/99
Chloroform	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/02/99
1,1,1-Trichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/02/99
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/02/99
Carbon Tetrachloride	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/02/99
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/02/99
Trichloroethene	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/02/99

Approved By:  Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

MAR-16-99 TUE 16:47

KIFF ANALYTICAL

FAX NO. 5302974803

P. 22/35



Report Number : 13409

Date : 03/16/99

Project Name : **Oakland Truck Stop**Project Number : **98042**Sample : **021999-MW4-1C**

Matrix : Soil

Sample Date :02/19/99

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
1,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/02/99
Bromodichloromethane	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/02/99
cis-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/02/99
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/02/99
trans-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/02/99
1,1,2-Trichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/02/99
Tetrachloroethene	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/02/99
Dibromochloromethane	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/02/99
Chlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/02/99
1,1,1,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/02/99
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/02/99
P,M-Xylene	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/02/99
O-Xylene	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/02/99
Styrene	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/02/99
Bromoform	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/02/99
1,1,2,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/02/99
1,3-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/02/99
1,4-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/02/99
1,2-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/02/99
Acetone	0.097	0.050	mg/Kg	EPA 8240A	03/02/99
2-Butanone	< 0.050	0.050	mg/Kg	EPA 8240A	03/02/99
4-Methyl-2-Pentanone	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/02/99
2-Hexanone	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/02/99
Dibromofluoromethane (Surr)	102		% Recovery	EPA 8240A	03/02/99
1,2-Dichloroethano-d4 (Surr)	103		% Recovery	EPA 8240A	03/02/99
Toluene - d8 (Surr)	101		% Recovery	EPA 8240A	03/02/99
4-Bromofluorobenzene (Surr)	99.1		% Recovery	EPA 8240A	03/02/99

Approved By:  Joe Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

MAR-16-99 TUE 16:48

KIFF ANALYTICAL

FAX NO. 5302974803

P. 23/35



Report Number : 13409

Date : 03/16/99

Project Name : Oakland Truck Stop

Project Number : 98042

Sample : 021999-MW4-2C

Matrix : Soil

Sample Date :02/19/99

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Chloromethane	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
Vinyl Chloride	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
Bromomethane	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
Chloroethane	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
Trichlorofluoromethane	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
1,1-Dichloroethene	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
Methylene Chloride	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
trans-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
1,1-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
cis-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
Chloroform	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
1,1,1-Trichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
Carbon Tetrachloride	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
Trichloroethene	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
1,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
Bromodichloromethane	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
cis-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
trans-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
1,1,2-Trichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
Tetrachloroethene	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
Dibromochloromethane	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
Chlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
1,1,1,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
P,M-Xylene	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
O-Xylene	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
Styrene	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
Bromoform	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
1,1,2,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
1,3-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
1,4-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
1,2-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99

Approved By:  Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

MAR-16-99 TUE 16:48

KIFF ANALYTICAL

FAX NO. 5302974803

P. 24/35



Report Number : 13409

Date : 03/16/99

Project Name : Oakland Truck Stop

Project Number : 98042

Sample : 021999-MW4-2C

Matrix : Soil

Sample Date :02/19/99

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Acetone	< 0.050	0.050	mg/Kg	EPA 8240A	03/01/99
2-Butanone	< 0.050	0.050	mg/Kg	EPA 8240A	03/01/99
4-Methyl-2-Pentanone	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
2-Hexanone	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
Dibromofluoromethane (Surr)	99.8		% Recovery	EPA 8240A	03/01/99
1,2-Dichloroethane-d4 (Surr)	104		% Recovery	EPA 8240A	03/01/99
Toluene - d8 (Surr)	99.5		% Recovery	EPA 8240A	03/01/99
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8240A	03/01/99

Sample : 021999-MW4-3C

Matrix : Soil

Sample Date :02/19/99

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Chloromethane	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
Vinyl Chloride	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
Bromomethane	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
Chloroethane	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
Trichlorofluoromethane	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
1,1-Dichloroethene	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
Methylene Chloride	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
trans-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
1,1-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
cis-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
Chloroform	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
1,1,1-Trichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
Carbon Tetrachloride	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
Trichloroethene	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
1,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
Bromodichloromethane	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
cis-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99

Approved By:  Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

MAR-16-99 TUE 16:49

KIFF ANALYTICAL

FAX NO. 5302974803

P. 25/35



Report Number : 13409

Date : 03/16/99

Project Name : **Oakland Truck Stop**Project Number : **98042**Sample : **021999-MW4-3C**

Matrix : Soil

Sample Date :02/19/99

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
trans-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
1,1,2-Trichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
Tetrachloroethene	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
Dibromochloromethane	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
Chlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
1,1,1,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
P,M-Xylene	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
O-Xylene	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
Styrene	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
Bromoform	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
1,1,2,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
1,3-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
1,4-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
1,2-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
Acetone	< 0.050	0.050	mg/Kg	EPA 8240A	03/01/99
2-Butanone	< 0.050	0.050	mg/Kg	EPA 8240A	03/01/99
4-Methyl-2-Pentanone	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
2-Hexanone	< 0.0050	0.0050	mg/Kg	EPA 8240A	03/01/99
Dibromofluoromethane (Surr)	100		% Recovery	EPA 8240A	03/01/99
1,2-Dichloroethane-d4 (Surr)	98.0		% Recovery	EPA 8240A	03/01/99
Toluene - d8 (Surr)	99.6		% Recovery	EPA 8240A	03/01/99
4-Bromofluorobenzene (Surr)	99.9		% Recovery	EPA 8240A	03/01/99

Approved By:  Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

MAR-16-99 TUE 16:51

KIFF ANALYTICAL

FAX NO. 5302974803

P. 29/35



Alpha Analytical Laboratories Inc. • 860 Waugh Lane, H-1, Ukiah, California 95482

CHEMICAL EXAMINATION REPORT (707) 468-0401

Kiff Analytical
720 Olive Drive
Suite D
Davis, CA 95616
Attn: Joel Kiff

Date Printed 3/05/99 Page 2

Batch Number	Receipt Date	Client	Client P.O.	Send Via
99-0224-010	02/24/99 09:50	KIFFLAB	13409	Mail

METHOD	EXTRACTED	TEST DATE	RESULT	UNITS	PQL	DILUTION
--------	-----------	-----------	--------	-------	-----	----------

Sample 7 021999-MW4-1C
Oakland Truck Stop 98042
Sample Type: Soil Sampled by: Sampled: 2/19/99

Total Petroleum Hydrocarbons	418.1	3/04/99	81	mg/kg	50	
------------------------------	-------	---------	----	-------	----	--

Sample 8 021999-MW4-2C
Oakland Truck Stop 98042
Sample Type: Soil Sampled by: Sampled: 2/19/99

PQL - Practical Quantitation Limit ND - None Detected
* - Indicates Detection Limit altered due to Sample Dilution

NOTES:

Bruce L. Gove
Laboratory Director

Bruce L. Gove
Date Printed: 3/05/99

MAR-16-99 TUE 16:51

KIFF ANALYTICAL

FAX NO. 5302974803

P. 30/35



Alpha Analytical Laboratories Inc. • 860 Waugh Lane, H-1, Ukiah, California 95482

CHEMICAL EXAMINATION REPORT (707) 468-0401

Kiff Analytical
720 Olive Drive
Suite D
Davis, CA 95616
Attn: Joel Kiff

Date Printed 3/05/99 Page 3

Batch Number	Receipt Date	Client	Client P.O.	Send Via
99-0224-010	02/24/99 09:50	KIFFLAB	13409	Mail

	METHOD	EXTRACTED	TEST DATE	RESULT	UNITS	PQL	DILUTION
(Sample 8 021999-MW4-2C -- continued)							
Total Petroleum Hydrocarbons	418.1		3/06/99	70	mg/kg	50	

PQL - Practical Quantitation Limit ND - None Detected
* Indicates Detection Limit altered due to Sample Dilution

NOTES:

Bruce L. Gove
Laboratory Director

Bruce L. Gove
Date Printed: 3/05/99



720 Olive Drive, Suite D
 Davis, CA 95616
 Lab: 530.297.4800
 Fax: 530.297.4803

Lab No. 13409 Page 3 of 4

Chain-of-Custody Record and Analysis Request

Project Manager: MR. ERIL J. ZAMB Phone No.: (707) 421-1595

Company/Address: PENN ENVIRONMENTAL FAX No.: (707) 425-0257

Project Number: 98042 P.O. No.: --- Project Name: OAKLAND TRUCK STOP

Project Location: 8255 SAN LEANDRO ST., OAKLAND Sampler Signature: [Signature]

Analysis Request

Sample Designation	Sampling		Container (Type/Amount)			Method Preserved				Matrix	BTEX (8020)	BTEX/TPH Gas/MTBE (8020/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	5 Oxygenates/TPH Gas/BTEX (8260)	7 Oxygenates/TPH Gas/BTEX (8260)	5 Oxygenates (8260)	7 Oxygenates (8260)	EPA 8260	EPA 8270	Lead (7421/239.2)	Cd, Cr, Pb, Zn, Ni	8240 - VOCs	Total Oil & Grease	TAT	For Lab Use Only
	Date	Time	40 ml VOA SLEEVE	1L GLASS	600 ml GLASS	HCl	HNO ₃	ICE	NONE																	
021999-MW2-1C	2/19/99	805	1					<input checked="" type="checkbox"/>		S															2w	-21
021999-MW2-2B	↓	822	1					<input checked="" type="checkbox"/>		S															2w	-22
021999-MW2-3B	↓	920	1					<input checked="" type="checkbox"/>		S															2w	-23
021899-MW3-1C	2/18/99	945	1					<input checked="" type="checkbox"/>		S	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>													2w	-24
021899-MW3-2C	↓	1000	1					<input checked="" type="checkbox"/>		S	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>													2w	-25
021899-MW3-3C	↓	1010	1					<input checked="" type="checkbox"/>		S	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>													2w	-26
021899-MW3-4C	↓	1025	1					<input checked="" type="checkbox"/>		S	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>													2w	-27
021999-MW4-1C	2/19/99	920	1					<input checked="" type="checkbox"/>		S															2w	-28
021999-MW4-2C	↓	930	1					<input checked="" type="checkbox"/>		S															2w	-29
021999-MW4-3C	↓	938	1					<input checked="" type="checkbox"/>		S															2w	-30

Relinquished by: [Signature] Date: 2/22/99 Time: 1230 Received by: _____

Relinquished by: _____ Date: _____ Time: _____ Received by: _____

Relinquished by: _____ Date: 2/22/99 Time: 1220 Received by Laboratory: Mary Collet

Remarks: _____

Email address: _____

Bill to: _____

.doc .xls .bxt other

APPENDIX C
FINAL GROUNDWATER SAMPLE RESULT



Alpha Analytical Laboratories Inc. • 860 Waugh Lane, H-1, Ukiah, California 95482
CHEMICAL EXAMINATION REPORT (707) 468-0401

Kiff Analytical
 720 Olive Drive
 Suite D
 Davis, CA 95616
 Attn: Joel Kiff

Date Printed
 5/12/99
 Page
 1

Batch Number Receipt Date Client Client P.O. Send Via
 99-0429-019 04/29/99 11:00 KIFFLAB 13891 Mail

METHOD	EXTRACTED	TEST DATE	RESULT	UNITS	PQL	DILUTION
Batch 99-0429-019 consisted of 1 Sample and 1 Test						
Sample 1	042999-W1					
	Waste Oil Tank Sampling #PE99-2469					
Sample Type: Water	Sampled by:	Sampled: 4/26/99				
Total Petroleum Hydrocarbons	419.1	5/05 5/07/99	ND	mg/l	1	

PQL - Practical Quantitation Limit ND - None Detected
 * - Indicates Detection Limit altered due to Sample Dilution

NOTES:

Bruce L. Cove
 Laboratory Director

Bruce L. Cove
 Date Printed: 5/12/99

5/12

5

13891

KIFF ANALYTICAL SUBCONTRACT FORM

Subcontract Lab: **Alpha Analytical**
860 Waugh Lane, H-1
Ukiah, CA 95482

Please mail results to : Please fax to :

JOEL KIFF
KIFF ANALYTICAL
720 OLIVE DRIVE, SUITE D
DAVIS, CA 95616

707-468-0401

Account No. : KIFFLAB

PROJECT NAME : Waste Oil Tank Sampling

PROJECT NUMBER: PE99-2469

Sample	Matrix	Sampled	Tests	Due
042699-W1	WA	04/26/99	O&G IR + SILICA GEL (5520E,F,G/418.1/TRPH)	05/05/99 99-0429-19-1

Relinquished by : Mary Corbit

Relinquished by : _____

Relinquished by : _____

Date/Time: 4/28/99 1716

Date/Time: 4/29/99 1100

Date/Time: _____

Received by: _____

Received by: Jeani Jansen *Calif*
over Mte

Received by: _____



720 Olive Drive, Suite D
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4303

Lab No. 13891

Project Manager:
Mr. Eric Zardo

Phone No.:
(916) 421-1595

Company/Address:
Pecos Environmental

FAX No.:
(916) 425-8257

Chain-of-Custody Record and Analysis Request

Project Number: 6
PE99-2469 P.O. No.:

Project Name:
White Oil Tank Sampling

Analysis Request

Project Location:
Oakland Truck Stop, Oakland

Sampler Signature:
[Signature]

Sample Designation
0421099-131

Sampling		Container (Type/Amount)			Method Preserved				Matrix	
Date	Time	40 ml VOA	SLEWVE	1L GLASS	500 ml GLASS	HCl	HNO ₃	ICE	NONE	WATER/SOIL
4-26-99	12:26	3						✓		E

BTEX (8020)	BTEX/TPH Gas (MTRB (8020/M8015))	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	5 Oxygenates/TPH Gas/BTEX (8260)	7 Oxygenates/TPH Gas/BTEX (8260)	5 Oxygenates (8260)	7 Oxygenates (8260)	EPA 8260	EPA 8270	Lead (7421/239.2)	Cd, Cr, Pb, Zn, Ni	WET (3)	TOTAL OY
-------------	----------------------------------	-----------------------	--------------------------	----------------------------------	----------------------------------	---------------------	---------------------	----------	----------	-------------------	--------------------	---------	----------

TAT	For Lab Use Only
12 hr/24 hr/48 hr/72 hr/1 WE/2 WK	01

Label Oil & Grease

Relinquished by: *[Signature]*

Date: 4-27-99 Time: 2:30P

Received by: *[Signature]* 427-99

Remarks:

Relinquished by:

Date: Time:

Received by:

Email address:

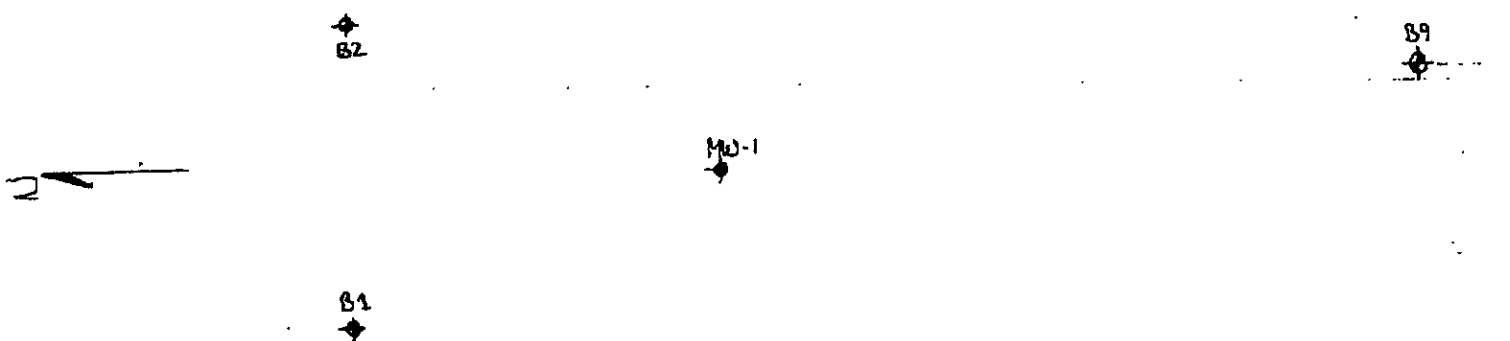
Distribution: White - Lab, Yellow - File, Pink - Originator

File to: .doc .xls .txt other

APPENDIX D

SITE PLAN

San Leandro St



Sample # 010799-801 was collected directly below the W.D.S.T.

OMitted from survey due to obstruction @ 3' bgs

