

Shell Oil Company



EAST BAY
MARKETING DISTRICT

P.O. Box 4023
Concord, CA 94524
(415) 676-1414

March 31, 1989

3/31/89

Mr. Larry Seto
Alameda County Environmental Health Department
Hazardous Materials Division
80 Swan Way, Room 200
Oakland, CA 94621

Dear Mr. Seto:

RE: SOIL SAMPLING - NEW TANK HOLE
SHELL STATION
2724 CASTRO VALLEY BOULEVARD
CASTRO VALLEY, CA

On March 24, 1989 sampling of excavation #2 (new tank hole area) yielded non-detectable levels of TPH-D and total oil and grease (503-E). Four samples showed detectable TPH-G, the highest concentration measuring 5.3 ppm.

These levels are far below the Regional Board Staff Recommendations for Initial Evaluation and Investigation of Underground Tanks (June 2, 1988) commonly cited 100 ppm priority level.

Shell requests your approval to proceed with installation of new storage tanks.

All soil removed from excavation #2 (new tank hole) will be transported off site as a non-hazardous material with proper documents.

Regarding excavation #1 (old tank hole) Shell proposes to excavate additional soils on sidewalls and piping trenches to acceptable levels.

Shell intends to perform a soil/groundwater investigation including installation and development and sampling of groundwater monitoring wells (LUFT Guidelines) in order to define the lateral and vertical extent of contamination.

If you have any questions, please call me on (415) 676-1414, Ext. 128.

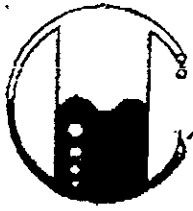
Very truly yours,

A handwritten signature in cursive script that reads "R. G. Newsome".

R. G. Newsome
Sr. District Engineer

Attachments

cc + Attachs: Mr. Mike Johnson, Moore-Clifford-Wolfe-Larson-Turner



MOBILE CHEM LABS INC.

733 Dartmouth Avenue
San Carlos, CA 94070 • (415) 591-5820

Shell Oil Co.
P.O. BOX 4023
Concord, CA 94524
Attn: Ray Newson

Date Sampled: 03-24-89
Date Received: 03-24-89
Date Reported: 02-26-89

Sample Number

039086

Sample Description

4237-T Castro Valley
2724 Castro Valley Blvd.
F212 SOIL

ANALYSIS

	Detection Limit	Sample Results
	-----	-----
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	4.0
Benzene	0.1	<0.1
Toluene	0.1	<0.1
Xylenes	0.1	<0.1
Ethylbenzene	0.1	<0.1

Note: Analysis was performed using EPA methods 5020 and 8015 with method 8020 used for BTX distinction.

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Ronald G. Evans
Ronald G. Evans



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Attn: Ray Newsome

Date Sampled: 03-24-89
Date Received: 03-24-89
Date Reported: 03-24-89

Sample Number	Sample Description	Detection Limit	Total Petroleum Hydrocarbons as Diesel
		ppm	ppm
	4237-T Castro Valley 2724 Castro Valley Blvd.		
039074	F200	10	<10
039075	F201	10	<10
039076	F202	10	<10
039077	F203	10	<10
039078	F204	10	<10
039079	F205	10	<10
039080	F206	10	<10
039081	F207	10	<10
039082	F208	10	<10

Note: Analysis was performed using EPA methods 3550 and 8015

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Ronald G. Evans
Ronald G. Evans
Lab Director



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Date Sampled: 03-24-89
Date Received: 03-24-89
Date Reported: 03-26-89

Sample Number	Sample Description	Detection Limit	Gravimetric Waste Oil as Petroleum Oil
		PPM	PPM
	4237-T Castro Valley 2724 Castro Valley Blvd.		
039083	F209	50	<50
039084	F210	50	<50
039085	F211	50	<50
039086	F212	50	<50

Note: Analysis was performed using EPA extraction method 3510 with Trichlorotrifluoroethane as solvent, and gravimetric determination by standard methods 503e

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Date Received: 03-24-89
Date Reported: 03-26-89

Sample Number	Sample Description	Detection Limit	Gravimetric Waste Oil as Petroleum Oil
		ppm	ppm
	4237-T Castro Valley 2724 Castro Valley Blvd.		
039074	F200	50	<50
039075	F201	50	<50
039076	F202	50	<50
039077	F203	50	<50
039078	F204	50	<50
039079	F205	50	<50
039080	F206	50	<50
039081	F207	50	<50
039082	F208	50	<50

Note: Analysis was performed using EPA extraction method 3510 with Trichlorotrifluoroethane as solvent, and gravimetric determination by standard methods 503c

Handwritten signature or initials



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Date Reported: 03-26-89

Sample Number	Sample Description	Detection Limit	Gravimetric Waste Oil as Petroleum Oil
		ppm	ppm
	4237-T Castro Valley 2724 Castro Valley Blvd.		
039083	F209	50	<50
039084	F210	50	<50
039085	F211	50	<50
039086	F212	50	<50

Note: Analysis was performed using EPA extraction method 3510 with Trichlorotrifluoroethane as solvent, and gravimetric determination by standard methods 503e.

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Date Sampled: 03-24-89
Date Received: 03-24-89
Date Reported: 02-26-89

Sample Number

039074

Sample Description

4237-T Castro Valley
2724 Castro Valley Blvd.
F200 SOIL

ANALYSIS

	<u>Detection Limit</u>	<u>Sample Results</u>
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	<1.0
Benzene	0.1	<0.1
Toluene	0.1	<0.1
Xylenes	0.1	<0.1
Ethylbenzene	0.1	<0.1

Note: Analysis was performed using EPA methods 5020 and 8015 with method 8020 used for BTX distinction.

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Date Sampled: 03-24-89
Date Received: 03-24-89
Date Reported: 02-26-89

Sample Number

039075

Sample Description

4237-T Castro Valley
2724 Castro Valley Blvd.
F201 SOIL

ANALYSIS

	<u>Detection Limit</u>	<u>Sample Results</u>
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	<1.0
Benzene	0.1	<0.1
Toluene	0.1	<0.1
Xylenes	0.1	<0.1
Ethylbenzene	0.1	<0.1

Note: Analysis was performed using EPA methods 5020 and 8015 with method 8020 used for BTX distinction.

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Date Sampled: 03-24-89
Date Received: 03-24-89
Date Reported: 02-26-89

Sample Number

039076

Sample Description

4237-T Castro Valley
2724 Castro Valley Blvd.
F202 SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	<1.0
Benzene	0.1	<0.1
Toluene	0.1	<0.1
Xylenes	0.1	<0.1
Ethylbenzene	0.1	<0.1

Note: Analysis was performed using EPA methods 5020 and 8015 with method 8020 used for BTX distinction.

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Attn: Ray Newson

Date Sampled: 03-24-89
Date Received: 03-24-89
Date Reported: 02-26-89

Sample Number

039077

Sample Description

4237-T Castro Valley
2724 Castro Valley Blvd.
F203 SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	<1.0
Benzene	0.1	<0.1
Toluene	0.1	<0.1
Xylenes	0.1	<0.1
Ethylbenzene	0.1	<0.1

Note: Analysis was performed using EPA methods 5020 and 8015 with method 8020 used for BTX distinction.

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Attn: Ray Newson

Date Sampled: 03-24-89
Date Received: 03-24-89
Date Reported: 02-26-89

Sample Number

039076

Sample Description

4237-T Castro Valley
2724 Castro Valley Blvd.
F204 SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	<1.0
Benzene	0.1	<0.1
Toluene	0.1	<0.1
Xylenes	0.1	<0.1
Ethylbenzene	0.1	<0.1

Note: Analysis was performed using EPA methods 5020 and 8015 with method 8020 used for BTX distinction.

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Attn: Ray Newson

Date Sampled: 03-24-89
Date Received: 03-24-89
Date Reported: 02-26-89

Sample Number

039078

Sample Description

4237-T Castro Valley
2724 Castro Valley Blvd.
F205 SOIL

ANALYSIS

	<u>Detection Limit</u>	<u>Sample Results</u>
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	5.3
Benzene	0.1	<0.1
Toluene	0.1	<0.1
Xylenes	0.1	<0.1
Ethylbenzene	0.1	<0.1

Note: Analysis was performed using EPA methods 5020 and 8015 with method 8020 used for BTX distinction.

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Date Sampled: 03-24-89
Date Received: 03-24-89
Date Reported: 02-26-89

Sample Number

039080

Sample Description

4237-T Castro Valley
2724 Castro Valley Blvd.
F206 SOIL

ANALYSIS

	<u>Detection Limit</u>	<u>Sample Results</u>
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	<1.0
Benzene	0.1	<0.1
Toluene	0.1	<0.1
Xylenes	0.1	<0.1
Ethylbenzene	0.1	<0.1

Note: Analysis was performed using EPA methods 5020 and 8015 with method 8020 used for BTX distinction.

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Date Sampled: 03-24-89
Date Received: 03-24-89
Date Reported: 02-26-89

Sample Number

039081

Sample Description

4237-T Castro Valley
2724 Castro Valley Blvd.
F207 SOIL

ANALYSIS

	<u>Detection Limit</u>	<u>Sample Results</u>
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	<1.0
Benzene	0.1	<0.1
Toluene	0.1	<0.1
Xylenes	0.1	<0.1
Ethylbenzene	0.1	<0.1

Note: Analysis was performed using EPA methods 5020 and 8015 with method 8020 used for BTX distinction.

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Date Sampled: 03-24-89
Date Received: 03-24-89
Date Reported: 02-26-89

Sample Number

039082

Sample Description

4237-T Castro Valley
2724 Castro Valley Blvd.
F208 SOIL

ANALYSIS

	<u>Detection Limit</u>	<u>Sample Results</u>
	PPM	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	<1.0
Benzene	0.1	<0.1
Toluene	0.1	<0.1
Xylenes	0.1	<0.1
Ethylbenzene	0.1	<0.1

Note: Analysis was performed using EPA methods 5020 and 8015 with method 8020 used for BTX distinction.

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Attn: Ray Newson

Date Sampled: 03-24-89
Date Received: 03-24-89
Date Reported: 02-26-89

Sample Number

039083

Sample Description

4237-T Castro Valley
2724 Castro Valley Blvd.
F209 SOIL

ANALYSIS

	<u>Detection Limit</u>	<u>Sample Results</u>
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	3.3
Benzene	0.1	<0.1
Toluene	0.1	<0.1
Xylenes	0.1	<0.1
Ethylbenzene	0.1	<0.1

Note: Analysis was performed using EPA methods 5020 and 8015 with method 8020 used for BTX distinction.

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P.O. BOX 4023
Concord, CA 94524
Attn: Ray Newson

Date Sampled: 03-24-89
Date Received: 03-24-89
Date Reported: 02-26-89

Sample Number

039084

Sample Description

4237-T Castro Valley
2724 Castro Valley Blvd.
F210 SOIL

ANALYSIS

	<u>Detection Limit</u>	<u>Sample Results</u>
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	3.8
Benzene	0.1	<0.1
Toluene	0.1	<0.1
Xylenes	0.1	<0.1
Ethylbenzene	0.1	<0.1

Note: Analysis was performed using EPA methods 5020 and 8015 with method 8020 used for BTX distinction.

Ray Newson



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Shell Oil Co.
P.O. BOX 4023
Concord, CA 94524
Attn: Ray Newson

Date Sampled: 03-24-89
Date Received: 03-24-89
Date Reported: 02-26-89

Sample Number

039085

Sample Description

.4237-T Castro Valley
2724 Castro Valley Blvd.
F211 SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	<1.0
Benzene	0.1	<0.1
Toluene	0.1	<0.1
Xylenes	0.1	<0.1
Ethylbenzene	0.1	<0.1

Note: Analysis was performed using EPA methods 5020 and 8015 with method 8020 used for BTX distinction.

MOBILE CHEM LABS

Ronald H. Evans

493

BRONX

or
CON-
TAINERS

SAMPLERS: Signature

Send report attention to;

[Signature]

DAVE SADOFF

STA NO	DATE	TIME	COMP.	GRAB	STATION LOCATION	TPH-037	TPH-D	TOG 503
F200	3/24	3:30		Y	SE WALL 5'	X	X	
F 201					" " 10'	✓	✓	
F 202					" " 13'4"	✓	✓	
203					NE WALL 5'	✓	✓	
204					" " 10'	✓	✓	
205					" " 13'4"	✓	✓	
206					NW WALL 5'	✓	✓	
207					" " 10'	✓	✓	
208					" " 13'4"	✓	✓	
209					SW WALL 5'	✓	✓	
210					" " 10'	✓	✓	
211					" " 13'4"	✓	✓	
212					NE WALL 3'8 1/2	X	X	

Relinquished by: Signature	Date/Time	Received by: Signature	Date/Time
<i>[Signature]</i>	3/24/89 11:0	<i>[Signature]</i>	3/24/89 17:10
Relinquished by: Signature	Date/Time	Received by: Signature	Date/Time
Relinquished by: Signature	Date/Time	Received by: Signature	Date/Time

REMARKS:

Company Name:
Address



Environmental Management Inc.
6430 Armita Street • Oakland, California 94621
(415) 634-0336
FAX (415) 633-0757