



# SEQUOIA Analytical Laboratory

2549 Middlefield Road  
Redwood City, CA 94063 • (415) 364-9222

Dames & Moore  
221 Main St., Suite 600  
San Francisco, CA 94105  
Attn: Jim Curtis

Date Sampled: 01/29/88  
Date Received: 01/29/88  
Date Reported: 02/03/88

Project: #12606-016-038, Emporium  
Capwell/Chevron Station, 1911  
Telegraph Ave., Oakland, CA

TOTAL PETROLEUM FUEL HYDROCARBONS  
WITH BTX DISTINCTION

Sample Number

8012048

Sample Description

Soil, #1

	<u>Detection Limit</u> ppm	<u>Sample Results</u> ppm
Low to Medium Boiling Point Hydrocarbons	1	4.9
Benzene	0.1	0.53
Toluene	0.1	< 0.1
Xylenes	0.1	< 0.1

Method of Analysis: EPA 5020/8015/8020

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Arthur G. Burton  
Laboratory Director



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Sample Number

8012049

Sample Description

Soil, #2

	<u>Detection</u> <u>Limit</u> ppm	<u>Sample</u> <u>Results</u> ppm
Low to Medium Boiling Point Hydrocarbons	1	80
Benzene	0.1	1.4
Toluene	0.1	5.4
Xylenes	0.1	18

Method of Analysis: EPA 5020/8015/8020

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WITH BTX DISTINCTION

Sample Number

8012050

Sample Description

Soil, #3A

	<u>Detection Limit</u> ppm	<u>Sample Results</u> ppm
Low to Medium Boiling Point Hydrocarbons	1	140
Benzene	0.1	3.4
Toluene	0.1	2.7
Xylenes	0.1	22

Method of Analysis: EPA 5020/8015/8020

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WITH BTX DISTINCTION

Sample Number

8012051

Sample Description

Soil, #4A

	<u>Detection Limit</u> ppm	<u>Sample Results</u> ppm
Low to Medium Boiling Point Hydrocarbons	1	66
Benzene	0.1	7.7
Toluene	0.1	9.9
Xylenes	0.1	11

Method of Analysis: EPA 5020/8015/8020

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TOTAL PETROLEUM FUEL HYDROCARBONS  
WITH BTX DISTINCTION

Sample Number

8012052

Sample Description

Soil, #5

	<u>Detection</u> <u>Limit</u> ppm	<u>Sample</u> <u>Results</u> ppm
Low to Medium Boiling Point Hydrocarbons	1	5.8
Benzene	0.1	< 0.1
Toluene	0.1	< 0.1
Xylenes	0.1	< 0.1

Method of Analysis: EPA 5020/8015/8020

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Telegraph Ave., Oakland, CA

Sample Number

8012052

Sample Description

Soil, #5

PRIORITY POLLUTANTS

PESTICIDE AND PCB COMPOUNDS

results in ppb

Aldrin.....	< 5	Endrin.....	< 5
α-BHC.....	< 10	Endrin Aldehyde.....	< 10
β-BHC.....	< 10	Heptachlor.....	< 2
δ-BHC.....	< 10	Heptachlor Epoxide.....	< 10
γ-BHC.....	< 5	Toxaphene.....	< 10
Chlordane.....	< 5	PCB-1016.....	< 10
4,4'-DDD.....	< 10	PCB-1221.....	< 10
4,4'-DDE.....	< 5	PCB-1232.....	< 10
4,4'-DDT.....	< 10	PCB-1242.....	< 10
Dieldrin.....	< 5	PCB-1248.....	< 10
Endosulfan I.....	< 10	PCB-1254.....	< 10
Endosulfan II.....	< 10	PCB-1260.....	< 10
Endosulfan Sulfate.....	< 10		

Method of Analysis: EPA 8080

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TOTAL PETROLEUM FUEL HYDROCARBONS  
WITH BTX DISTINCTION

Sample Number

8012053

Sample Description

Soil, #6A

	<u>Detection Limit</u> ppm	<u>Sample Results</u> ppm
Low to Medium Boiling Point Hydrocarbons	1	2.6
Benzene	0.1	< 0.1
Toluene	0.1	< 0.1
Xylenes	0.1	< 0.1

Method of Analysis: EPA 5020/8015/8020

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Sample Number

8012053

Sample Description

Soil, #6A

PRIORITY POLLUTANTS

PESTICIDE AND PCB COMPOUNDS

results in ppb

Aldrin.....	< 5	Endrin.....	< 5
α-BHC.....	< 10	Endrin Aldehyde.....	< 10
β-BHC.....	< 10	Heptachlor.....	< 2
δ-BHC.....	< 10	Heptachlor Epoxide.....	< 10
γ-BHC.....	< 5	Toxaphene.....	< 10
Chlordane.....	< 5	PCB-1016.....	< 10
4,4'-DDD.....	< 10	PCB-1221.....	< 10
4,4'-DDE.....	< 5	PCB-1232.....	< 10
4,4'-DDT.....	< 10	PCB-1242.....	< 10
Dieldrin.....	< 5	PCB-1248.....	< 10
Endosulfan I.....	< 10	PCB-1254.....	< 10
Endosulfan II.....	< 10	PCB-1260.....	< 10
Endosulfan Sulfate.....	< 10		

Method of Analysis: EPA 8080

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TOTAL PETROLEUM FUEL HYDROCARBONS  
WITH BTX DISTINCTION

Sample Number

8012054


Sample Description

Soil, #7A

	<u>Detection</u> <u>Limit</u> ppm	<u>Sample</u> <u>Results</u> ppm
Low to Medium Boiling Point Hydrocarbons	1	1,400
Benzene	0.1	230
Toluene	0.1	140
Xylenes	0.1	80

Method of Analysis: EPA 5020/8015/8020

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TOTAL PETROLEUM FUEL HYDROCARBONS  
WITH BTX DISTINCTION

Sample Number

8012055

Sample Description

Soil, #8A

	<u>Detection Limit</u> ppm	<u>Sample Results</u> ppm
Low to Medium Boiling Point Hydrocarbons	1	13
Benzene	0.1	< 0.1
Toluene	0.1	< 0.1
Xylenes	0.1	< 0.1

Method of Analysis: EPA 5020/8015/8020

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TOTAL PETROLEUM FUEL HYDROCARBONS  
WITH BTX DISTINCTION

Sample Number

8012056

Sample Description

Soil, #9

	<u>Detection</u> <u>Limit</u> ppm	<u>Sample</u> <u>Results</u> ppm
Low to Medium Boiling Point Hydrocarbons	1	< 1.0
Benzene	0.1	< 0.1
Toluene	0.1	< 0.1
Xylenes	0.1	< 0.1

Method of Analysis: EPA 5020/8015/8020

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Sample Number

8012056

Sample Description

Soil, #9

PRIORITY POLLUTANTS

PESTICIDE AND PCB COMPOUNDS

results in ppb

Aldrin.....	< 5	Endrin.....	< 5
α-BHC.....	< 10	Endrin Aldehyde.....	< 10
β-BHC.....	< 10	Heptachlor.....	< 2
δ-BHC.....	< 10	Heptachlor Epoxide.....	< 10
γ-BHC.....	< 5	Toxaphene.....	< 10
Chlordane.....	< 5	PCB-1016.....	< 10
4,4'-DDD.....	< 10	PCB-1221.....	< 10
4,4'-DDE.....	< 5	PCB-1232.....	< 10
4,4'-DDT.....	< 10	PCB-1242.....	< 10
Dieldrin.....	< 5	PCB-1248.....	< 10
Endosulfan I.....	< 10	PCB-1254.....	< 10
Endosulfan II.....	< 10	PCB-1260.....	< 10
Endosulfan Sulfate.....	< 10		

Method of Analysis: EPA 8080

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TOTAL PETROLEUM FUEL HYDROCARBONS  
WITH BTX DISTINCTION

Sample Number

8012057


Sample Description

Soil, #10A

	<u>Detection</u> <u>Limit</u> ppm	<u>Sample</u> <u>Results</u> ppm
Low to Medium Boiling Point Hydrocarbons	1	2.5
Benzene	0.1	< 0.1
Toluene	0.1	< 0.1
Xylenes	0.1	< 0.1

Method of Analysis: EPA 5020/8015/8020

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TOTAL PETROLEUM FUEL HYDROCARBONS  
WITH BTX DISTINCTION

Sample Number

8012058

Sample Description

Soil, #11A

	<u>Detection Limit</u> ppm	<u>Sample Results</u> ppm
Low to Medium Boiling Point Hydrocarbons	1	2.6
Benzene	0.1	< 0.1
Toluene	0.1	< 0.1
Xylenes	0.1	< 0.1

Method of Analysis: EPA 5020/8015/8020

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TOTAL PETROLEUM FUEL HYDROCARBONS  
WITH BTX DISTINCTION

Sample Number

8012059

Sample Description

Soil, #12

	<u>Detection Limit</u> ppm	<u>Sample Results</u> ppm
Low to Medium Boiling Point Hydrocarbons	1	1.6
Benzene	0.1	< 0.1
Toluene	0.1	< 0.1
Xylenes	0.1	< 0.1

Method of Analysis: EPA 5020/8015/8020

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## TOTAL PETROLEUM HYDROCARBONS

<u>Sample Number</u>	<u>Sample Description</u> Soil,	<u>Detection Limit</u> ppm	<u>High Boiling Point Hydrocarbons</u> ppm
8012048	#1	1	110
8012052	#5	1	7.1
8012053	#6A	1	18
8012056	#9	1	21

Method of Analysis: EPA 3550/8015

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Project: #12606-016-038,  
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1911 Telegraph Ave., Oakland, CA

<u>Sample Number</u>	<u>Sample Description</u> Soil Samples	<u>Total Lead</u> mg/kg-wet wt.
8012049	#2	5.9
8012050	#3A	8.8
8012051	#4A	5.5
8012054	#7A	5.5
8012055	#8A	1.9
8012057	#10A	1.5
8012058	#11A	1.3
8012059	#12	45

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