



SEQUOIA Analytical Laboratory

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

H. G. Winter, Co.
696-1 Kings Row
San Jose, CA 95112

Date Sampled: 04/06/88
Date Received: 04/08/88
Date Reported: 05/12/88

Project: Monterey Mech., 8275
San Leandro, Oakland

TOTAL PETROLEUM FUEL HYDROCARBONS
WITH BTX DISTINCTION

Sample Number

8040464

Sample Description

Pipings zone
Soil, #1
20 feet from tank

	<u>Detection</u> <u>Limit</u> ppm	<u>Sample</u> <u>Results</u> ppm
Low to Medium Boiling Point Hydrocarbons	1	4.1
Benzene	0.1	< 0.1
Toluene	0.1	0.25
Xylenes	0.1	< 0.1
Ethylbenzene	0.1	0.16

Method of Analysis: EPA 5020/8015/8020

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
Laboratory Director



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San Leandro, Oakland

TOTAL PETROLEUM FUEL HYDROCARBONS WITH BTX DISTINCTION

Sample Number

8040465

Sample Description

Soil, #2
40 feet from tank

	<u>Detection Limit</u> ppm	<u>Sample Results</u> ppm
Low to Medium Boiling Point Hydrocarbons	1	11
Benzene	0.1	0.12
Toluene	0.1	0.90
Xylenes	0.1	1.3
Ethylbenzene	0.1	0.41

Method of Analysis: EPA 5020/8015/8020

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San Leandro, Oakland

TOTAL PETROLEUM FUEL HYDROCARBONS
WITH BTX DISTINCTION

Sample Number

8040466

Sample Description

Soil, #3
Under Disp.

	<u>Detection Limit</u> ppm	<u>Sample Results</u> ppm
Low to Medium Boiling Point Hydrocarbons	1	3.5
Benzene	0.1	< 0.1
Toluene	0.1	0.45
Xylenes	0.1	< 0.1
Ethylbenzene	0.1	< 0.1

Method of Analysis: EPA 5020/8015/8020

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 408-437-1775

CHAIN OF CUSTODY

Site Name & Address						Type of container	ANALYSIS					Remarks
Samplers							Gas	Diesel	Waste	Other		
							TPH G	TPH D	Oil			
							BTX&E	BTX&E	TPH G&D W			
NO.	DATE	TIME	SOIL	WATER	SAMPLE LOC.			Oil & grease	BTX&E	CL HC	Metals	
#1	4/6/88	1 st pm	X		205 from tank	Glass Sleeve	X					
#2	4/6/88	2 nd pm	X		205 from tank	Glass Sleeve	X					
#3	4/6/88	12 th pm	X		Under Disp	Glass Sleeve	X					
Relinquished by: (Sign.)		Date/Time		Received by: (sign.)		Relinquished by: (Sign.)		Date/Time		Received by: (Sign.)		
L. M. O. Williams		4/2/88 12:10		B. J. [Signature]								
Relinquished by: (Sign.)		Date/Time		Received by: (sign.)		Relinquished by: (Sign.)		Date/Time		Received by: (Sign.)		
Relinquished by: (Sign.)		Date/Time		Received for Laboratory by: (Sign.)			Date/Time		Inspector:			
Testing Lab.												

California Regional Water Quality Control Boards'
RECOMMENDED MINIMUM VERIFICATION ANALYSES FOR UGT LEAKS

<u>HYDROCARBON LEAK</u>	<u>SOIL</u>	<u>WATER</u>
<u>Unknown Fuel</u>	TPH G & D (GCFID) BTX&E (8020 or 8240)	TPH G&D (GCFID) BTX&E (602 or 624)
<u>Leaded Gas</u>	TPH G (5030) BTX&E —Optional— TEL (DMS METHOD) EDB (DMS-AB1803)	TPH G (5030) BTX&E TEL (DMS METHOD) EDB (DMS-AB1803)
<u>Unleaded Gas</u>	TPH G BTX&E	TPH G BTX&E
<u>Diesel</u>	TPH D (sonication) BTX&E	TPH D (sonication) BTX&E
<u>Jet Fuel</u>	TPH G&D BTX&E	TPH G&D BTX&E
<u>Kerosene</u>	TPH D BTX&E	TPH D BTX&E
<u>Chlorinated Solvents</u>	CL HC (8010 or 8240) BTX&E	CL HC (601 or 624) BTX&E
<u>Non Chlorinated Solvents</u>	TPH BTX&E	TPH BTX&E
<u>Waste Oil or Unknown</u>	TPH G&D W OIL & GREASE (503e) BTX&E CL HC METALS—Cd, Cr, Pb, Zn—(ICAP or AA) ——METHOD 8270 TO DETECT—— PCB* PCP* PNA CREOSOTE	TPH OIL & GREASE (503e) BTX&E CL HC PCB* PCP* PNA CREOSOTE

*If found, analyze for dibenzofurans (PCBs) or dioxins (PCP)

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CHAIN OF CUSTODY

Site Name & Address		DoKivnd		Mortner Mech. Sandlerdo		Robert Cox Jim Williams		Type of container	ANALYSIS				Other	Remarks
NO.	DATE	TIME	SOIL	WATER	SAMPLE LOC.	Gas TPH G BTX&E	Diesel TPH D BTX&E	Waste Oil TPH GSD W Oil & grease BTX&E CL HC Metals						
#1	3/21/88	1:00 PM			Bobcat	X								
#2	3/21/88	1:50 PM	X		West end	X								
#3	3/21/88	1:40 PM	X		Fillend	X								
#4	3/24/88	3:30 PM	X		Fillend	X								Front tank
#5	3/24/88	3:35 PM	X		Gasline end	X								Front tank
Relinquished by: (Sign.)		Date/Time		Received by: (sign.)		Date/Time		Relinquished by: (Sign.)		Date/Time		Received by: (Sign.)		
Randy Cox		3/21/88 1:20 PM		[Signature]		3/21/88 1:20 PM		[Signature]						
Relinquished by: (Sign.)		Date/Time		Received for Laboratory by: (Sign.)		Date/Time		Inspector:						
Testing Lab.		Houser		[Signature]		[Signature]								



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Project: Monterey Mech,
San Leandro

TOTAL PETROLEUM FUEL
HYDROCARBONS WITH BTX DISTINCTION

Sample Number

8032262

Sample Description

Water, #1

	<u>Detection Limit</u> ppb	<u>Sample Results</u> ppb
Low to Medium Boiling Point Hydrocarbons	50	8,400
Benzene	0.5	68
Toluene	0.5	48
Xylenes	0.5	5,000

Method of Analysis: EPA 5030/602/8015

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San Leandro

TOTAL PETROLEUM FUEL HYDROCARBONS
WITH BTX DISTINCTION

Sample Number

8032263

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	4.6
Benzene	0.1	< 0.1
Toluene	0.1	< 0.1
Xylenes	0.1	0.17

Method of Analysis: EPA 5020/8015/8020

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TOTAL PETROLEUM FUEL HYDROCARBONS
WITH BTX DISTINCTION

Sample Number

8032264

Sample Description

Soil, #3

	<u>Detection Limit</u> ppm	<u>Sample Results</u> ppm
Low to Medium Boiling Point Hydrocarbons	1	2.3
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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San Leandro

TOTAL PETROLEUM FUEL HYDROCARBONS
WITH BTX DISTINCTION

Sample Number

8032265

Sample Description

Soil, #4

	<u>Detection</u> <u>Limit</u> ppm	<u>Sample</u> <u>Results</u> ppm
Low to Medium Boiling Point Hydrocarbons	1	4.1
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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San Leandro

TOTAL PETROLEUM FUEL HYDROCARBONS
WITH BTX DISTINCTION

Sample Number

8032266

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	130
Benzene	0.1	1.6
Toluene	0.1	27
Xylenes	0.1	72

Method of Analysis: EPA 5020/8015/8020

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