



SEQUOIA ANALYTICAL

880 Chasapeake Drive • Redwood City, CA 94063
(415) 364-9800 • FAX (415) 364-9233

SOIL SAMPLES

Exceltech	Client Project ID: #1736-G, Larkin, PO #17074	Sampled: Feb 28, 1990
41674 Christy Street	Matrix Descript: Soil	Received: Mar 1, 1990
Fremont, CA 94538	Analyse Method: EPA 8030/8015/8020	Analyzed: Mar 13, 1990
Attention: Randy Stone	First Sample #: 003-0022	Reported: Mar 15, 1990

TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

Sample Number	Sample Description	Low/Medium B.P. Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Ethyl Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)
003-0022	#1	150	N.D.	N.D.	N.D.	0.20
003-0023	#2	3.7	N.D.	N.D.	N.D.	N.D.

Detection Limits:	1.0	0.050	0.10	0.10	0.10
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Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard. Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

[Signature]
Vivian Tague
Project Manager



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SOIL SAMPLES

Exceltech 41674 Christy Street Fremont, CA 94538 Attention: Randy Stone	Client Project ID: Larkin, #1736-G Matrix Descript: Soil Analysis Method: EPA 5030/8015/8020 First Sample #: 003-0024	Sampled: Feb 28, 1990 Received: Mar 1, 1990 Analyzed: Mar 2, 1990 Reported: Mar 9, 1990
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TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

Sample Number	Sample Description	Low/Medium B.P. Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Ethyl Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)
003-0024	#3	6.0	N.D.	N.D.	N.D.	N.D.
003-0025	#4	N.D.	N.D.	N.D.	N.D.	N.D.
003-0026	#5	N.D.	N.D.	N.D.	N.D.	N.D.
003-0027	#6	1.0	N.D.	N.D.	N.D.	N.D.
003-0103	#7	N.D.	N.D.	N.D.	N.D.	N.D.
003-0104	#8	N.D.	N.D.	N.D.	N.D.	N.D.

Detection Limits:	1.0	0.050	0.10	0.10	0.10
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Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

V. Tague
Vickie Tague
Project Manager

30024.ENS <1>



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SOIL SAMPLES

Exceltech
41674 Christy Street
Fremont, CA 94538
Attention: Randy Stone

Client Project ID: #1736-G, Larkin, PO #17074
Matrix Descript: Soil
Analysis Method: EPA 3550/8015
First Sample #: 003-0022

Sampled: Feb 28, 1990
Received: Mar 1, 1990
Extracted: Mar 14, 1990
Analyzed: Mar 15, 1990
Reported:

TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015)

Sample Number	Sample Description	High B.P. Hydrocarbons mg/kg (ppm)
003-0022	#1	150
003-0023	#2	22

Detection Limits:

1.0

High Boiling Point Hydrocarbons are quantitated against a diesel fuel standard.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

[Signature]
Vickie Tague
Project Manager



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SOIL SAMPLES

Exceltech 41674 Christy Street Fremont, CA 94538 Attention: Randy Stone	Client Project ID: Larkin, #1736-G Matrix Descript: Soil Analysis Method: EPA 3550/8015 First Sample #: 003-0024	Sampled: Feb 28, 1990 Received: Mar 1, 1990 Extracted: Mar 2, 1990 Analyzed: Mar 5, 1990 Reported: Mar 9, 1990
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TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015)

Sample Number	Sample Description	High B.P. Hydrocarbons mg/kg (ppm)
003-0024	#3	N.D.
003-0025	#4	N.D.
003-0026	#5	N.D.
003-0027	#6	2.9
003-0103	#7	N.D.
003-0104	#8	N.D.

Detection Limits: 1.0

High Boiling Point Hydrocarbons are quantitated against a diesel fuel standard.
 Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Vickie Tague
 Vickie Tague
 Project Manager



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SOIL SAMPLES

Exceltech
41874 Christy Street
Fremont, CA 94538
Attention: Handy Stone

Client Project ID: #1736-G, Larkin, PO #17074
Matrix Descript: Soil
Analysis Method: SM 503 D&E (Gravimetric)
First Sample #: 003-0022

Sampled: Feb 28, 1990
Received: Mar 1, 1990
Extracted: Mar 12, 1990
Analyzed: Mar 13, 1990
Reported: Mar 15, 1990

TOTAL RECOVERABLE PETROLEUM OIL

Sample Number	Sample Description	Oil & Grease mg/kg (ppm)
003-0022	#1	N.D.
003-0023	#2	N.D.

Detection Limits:

30

Analytes reported as N.D. were not present above the stated limit of detection.

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Project Manager



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SOIL SAMPLES

Exceltech 41674 Christy Street Fremont, CA 94538 Attention: Randy Stone	Client Project ID: Larkin, #1736-G Matrix Descript: Soil Analysis Method: SM 503 D&E (Gravimetric) First Sample #: 003-0024	Sampled: Feb 28, 1990 Received: Mar 1, 1990 Extracted: Mar 2, 1990 Analyzed: Mar 2, 1990 Reported: Mar 9, 1990
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TOTAL RECOVERABLE PETROLEUM OIL

Sample Number	Sample Description	Oil & Grease mg/kg (ppm)
003-0024	#3	N.D.
003-0025	#4	N.D.
003-0026	#6	72
003-0027	#6	N.D.
003-0028	#7	N.D.
003-0029	#8	N.D.

Detection Limits: 30

Analytes reported as N.D. were not present above the stated limit of detection.

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 Vickie Tague
 Project Manager



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WATER SAMPLES

Exceltech 41674 Christy Street Fremont, CA 94538 Attention: Randy Stone	Client Project ID: Larkin, #1736-G, PO #17074 Matrix Descript: Water Analysis Method: EPA 5030/8015/8020 First Sample #: 003-0029	Sampled: Feb 28, 1990 Received: Mar 1, 1990 Analyzed: Mar 5, 1990 Reported: Mar 9, 1990
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TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

Sample Number	Sample Description	Low/Medium B.P. Hydrocarbons	Benzene	Toluene	Ethyl Benzene	Xylenes
		$\mu\text{g/L}$ (ppb)	$\mu\text{g/L}$ (ppb)	$\mu\text{g/L}$ (ppb)	$\mu\text{g/L}$ (ppb)	$\mu\text{g/L}$ (ppb)
003-0029	#8	8,000	83	280	83	1,000
003-0031	#10	7,900	95	290	220	1,100

Detection Limits:	30	0.30	0.30	0.30	0.30
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Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard.
 Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Vickie Tague
 Vickie Tague
 Project Manager



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WATER SAMPLES

Exceltech 41674 Christy Street Fremont, CA 94538 Attention: Randy Stone	Client Project ID: Larkin, #1736-G Matrix Descript: Water Analysis Method: EPA 3510/8015 First Sample #: 003-0028	Sampled: Feb 28, 1990 Received: Mar 1, 1990 Extracted: Mar 2, 1990 Analyzed: Mar 5, 1990 Reported: Mar 9, 1990
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TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015)

Sample Number	Sample Description	High B.P. Hydrocarbons µg/L (ppb)
003-0028	#7	8,700
003-0030	#8	8,600

Detection Limits:

50

High Boiling Point Hydrocarbons are quantitated against a diesel fuel standard.
 Analytes reported as N.D. were not present above the stated limit of detection.

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Vickie Tague
 Vickie Tague
 Project Manager

30024.ENS (4)



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WATER SAMPLES

Exceltech
41674 Christy Street
Fremont, CA 94538
Attention: Randy Stone

Client Project ID: Larkin, #1736-G
Matrix Descript: Water
Analysis Method: SM 503 A&E (Gravimetric)
First Sample #: 003-0028

Sampled: Feb 28, 1990
Received: Mar 1, 1990
Extracted: Mar 2, 1990
Analyzed: Mar 2, 1990
Reported: Mar 9, 1990

TOTAL RECOVERABLE PETROLEUM OIL

Sample Number	Sample Description	Oil & Grease mg/L (ppm)
003-0028	#7	13
003-0028	#8	16

Detection Limits: 5.0

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Vickie Tague
Vickie Tague
Project Manager

CHAIN OF CUSTODY RECORD

PROJECT NO		PROJECT NAME		TEST REQUESTED				P.O. #
1736-G		Larkin		TPH-G	TPH-D	D+G	BTEX	17074
SAMPLERS (Signature)								LAB
<i>[Signature]</i>								Sequoia
NO.	DATE	TIME	STATION AND LOCATION	TPH-G	TPH-D	D+G	BTEX	TURN AROUND TIME
1	2-29-90	1115	See map, Brass Lacq	X	X	X	X	Normal = 10 DAYS
2	"	1130	"	X	X	X	X	Normal = 10 DAYS
3	"	1140	"	X	X	X	X	24 hr turnaround
4	"	1200	"	X	X	X	X	"
5	"	1215	"	X	X	X	X	"
6	"	1300	"	X	X	X	X	"
7	"	0930	Baker Tank-Amber Jar	X	X	X	X	"
8	"	0935	Baker Tank-Voa	X	X	X	X	"
9	"	0940	in excavation-Amber Jar	X	X	X	X	"
10	"	0945	in excavation-Voa	X	X	X	X	"
			Soil	X	X	X	X	Logm as of 3/28/90
			Soil	X	X	X	X	"

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030103
04

RELINQUISHED BY: <i>J. Williams</i>	DATE: TIME: 3-1-90 1:40	RECEIVED BY: <i>K. Roll</i>	RELINQUISHED BY:	DATE: TIME:	RECEIVED BY:
RELINQUISHED BY:	DATE: TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE: TIME:	RECEIVED BY:
RELINQUISHED BY:	DATE: TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE: TIME:	RECEIVED BY:

REPORT TO: *Ravens*

WESCO environmental services, Inc.
 41674 Christy Street
 Fremont, C.A. 94538-3114
 (415) 659-0404
 Fax (415) 651-3677
 Conv. Lic. No. 550205

all samples
Taken at 6'
Depth

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