

TMA
Thermo Analytical Inc.

TMA/Norcal

2030 Wright Avenue

P.O. Box 4040

Richmond, CA 94804-0040

(415) 235-2633

July 16, 1988

Abdo Allen Company
718 Douglas Avenue
Oakland, CA 94603

Attention: Dick Goblirsch

Reference: TMA/Norcal I.D. 2300-2,3, Foothill Blvd. and Belvedere Street Site
Oakland, California

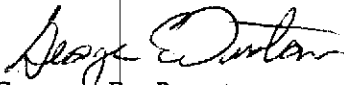
Dear Mr. Goblirsch:

Enclosed are the results of the analysis of samples collected at the above referenced site on June 29 and 30, 1988. The enclosed site diagram indicates the location of the samples.

Also enclosed is a copy of TMA/Norcal's general brochure and fee schedule. The fee schedule will be updated within the next month.

Please call me at 235-2633 if you have any questions concerning this information.

Sincerely,


George E. Dunstan
Director of Program Management

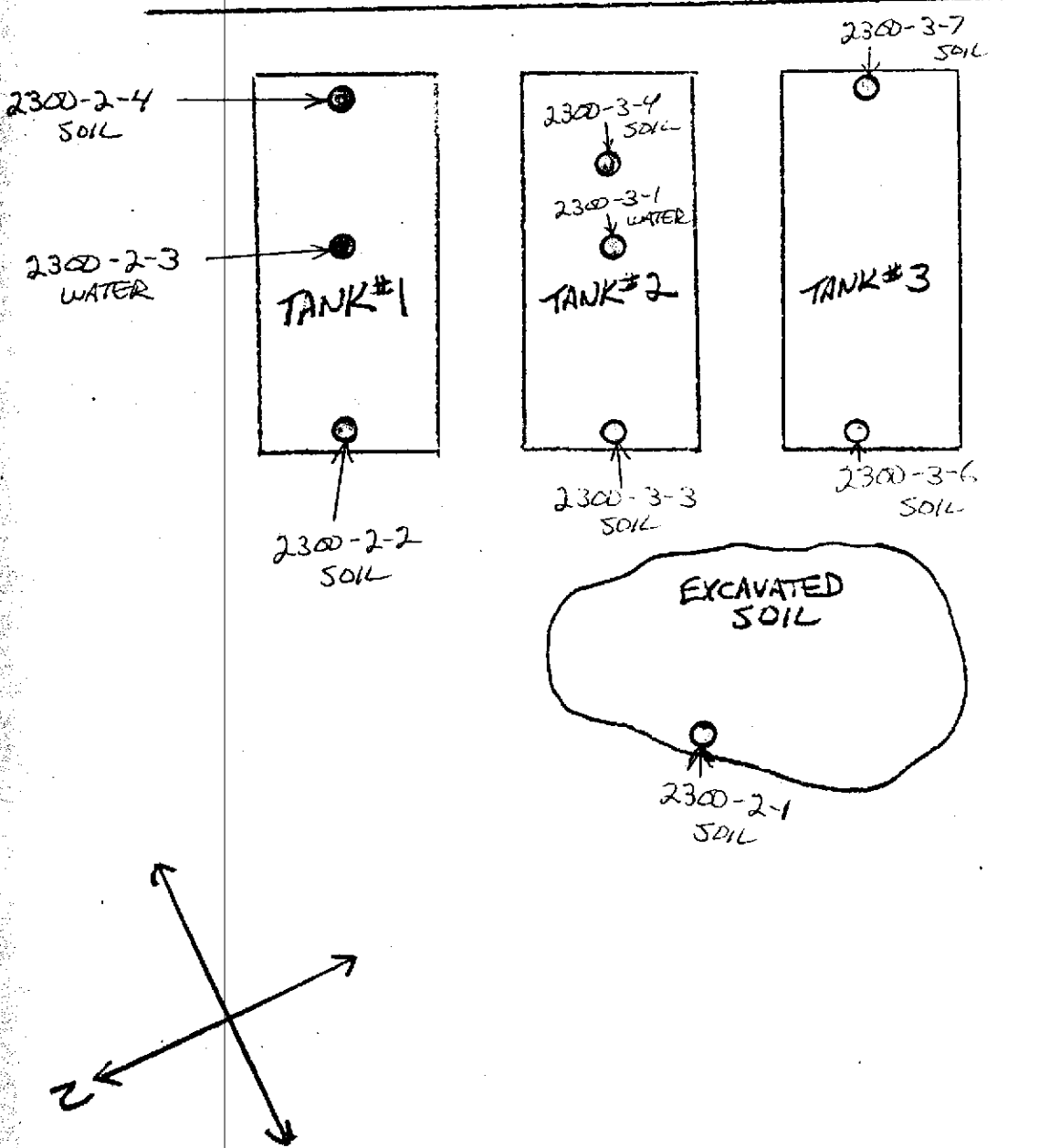
GED/dss

Enclosures

RECEIVED
JUL 26 1988

HAZARDOUS MATERIALS/
WASTE PROGRAM

BELVEDERE



FOOTHILL BLVD.

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Received: 06/30/88

TMA Inc. REPORT
07/18/88 15:41:20

Work Order # 88-06-176

REPORT TMA/NORCAL
TO 2030 Wright Ave
Richmond, CA 94804

PREPARED Thermo Analytical, Inc.
BY 160 Taylor Street
Monrovia, CA 91016

Wendy Coates
CERTIFIED BY

ATTEN Sample Control

ATTEN _____
PHONE 818-357-3247

CONTACT WMC

CLIENT TMA NORCAL SAMPLES 4
COMPANY TMA/NORCAL
FACILITY _____

This report is for the sole and exclusive use of the client to whom it is addressed and represents only those samples herein described. Samples not destroyed in testing are retained a maximum of 30 days unless otherwise requested.

WORK ID Project: 2300-2
TAKEN Unknown
TRANS By UPS
TYPE Soil, Sludge and Water
P.O. # 7009
INV DICE under separate cover

Results reported via telecon to George Dunstan on 7/18/88.

SAMPLE IDENTIFICATION

01 2300-2-1
02 2300-2-2
03 2300-2-3
04 2300-2-4

TEST CODES and NAMES used on this report

8015M Fuels-Total Hydrocarbons
8015MS Fuels-Total Hydrocarbons

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TMA Inc.

REPORT

Work Order # 88-06-176

Results by Sample

SAMPLE ID 2300-2-1

FRACTION 01A TEST CODE B015MS NAME Fuels-Total Hydrocarbons
Date & Time Collected not specified Category _____

unwanted source

MODIFIED B015 - FUEL HYDROCARBONS

COMPOUND	RESULT	DET	LIMIT	ANALYST	RMM
C5 - C12 Gasoline Range	<u>1951</u>		0.2		
C10 - C16 Jet Fuel Range	<u>ND</u>		0.2	DATE INJECTED	<u>07/11/88</u>
C9 - C22 Diesel Range	<u>ND</u>		0.2	DILUTION FACTOR	<u>1.00</u>
				VERIFIED	<u>WMC</u>

NOTE: All results reported in mg/Kg unless otherwise specified
ND = Not detected at the specified limits

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TMA Inc.

REPORT

Work Order # 88-06-176

Results by Sample

SAMPLE ID 2300-2-2

FRACTION 02A TEST CODE 8015MS NAME Fuels-Total Hydrocarbons
Date & Time Collected not specified Category

MODIFIED 8015 - FUEL HYDROCARBONS

COMPOUND	RESULT	DET	LIMIT
C5 - C12 Gasoline Range	<u>84.3</u>		0.2
C10 - C16 Jet Fuel Range	<u>ND</u>		0.2
C9 - C22 Diesel Range	<u>ND</u>		0.2

ANALYST RMM
DATE INJECTED 07/11/88
DILUTION FACTOR 1.00
VERIFIED WMC

NOTE: All results reported in mg/Kg unless otherwise specified
ND = Not detected at the specified limits

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TMA Inc. REPORT
Results by Sample

Work Order # 88-06-176

SAMPLE ID 2300-2-3 FRACTION 03A TEST CODE 8015M NAME Fuels-Total Hydrocarbons
Date & Time Collected not specified Category

MODIFIED 8015 - FUEL HYDROCARBONS

COMPOUND	RESULT	DET	LIMIT	ANALYST	RMM
C5 - C12 Gasoline Range	<u>ND</u>		0.03	DATE INJECTED	<u>07/11/88</u>
C10 - C16 Jet Fuel Range	<u>ND</u>		0.03	DILUTION FACTOR	<u>1.00</u>
C9 - C22 Diesel Range	<u>6.0</u>		0.03	VERIFIED	<u>WMC</u>

NOTE: All results reported in mg/L unless otherwise specified
ND = Not detected at the specified limits

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TMA Inc. REPORT
Results by Sample

Work Order # 88-06-176

SAMPLE ID 2300-2-4

FRACTION 04A TEST CODE 8015MS NAME Fuels-Total Hydrocarbons
Date & Time Collected not specified Category _____

MODIFIED 8015 - FUEL HYDROCARBONS

COMPOUND	RESULT	DET	LIMIT	ANALYST	<u>RMM</u>
C5 - C12 Gasoline Range	<u>182</u>		0.2	DATE INJECTED	<u>07/12/88</u>
C10 - C16 Jet Fuel Range	<u>ND</u>		0.2	DILUTION FACTOR	<u>1.00</u>
C9 - C22 Diesel Range	<u>ND</u>		0.2	VERIFIED	<u>WMC</u>

NOTE: All results reported in mg/Kg unless otherwise specified
ND = Not detected at the specified limits

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TMA Inc.

REPORT

Work Order # 88-06-176

07/18/88 15:41:20

TMA/NORCAL

As requested, four samples were analyzed in accordance with US EPA method 8015 modified. Please see the attached tables for the results.

Page 1
Received: 07/06/88

TMA Inc. REPORT
07/18/88 14:48:26

Work Order # 88-07-013

REPORT TMA/NORCAL
TO 2030 Wright Ave
Richmond, CA 94804

PREPARED Thermo Analytical, Inc.
BY 160 Taylor Street
Monrovia, CA 91016

Wendy Coates
CERTIFIED BY

ATTEN Sample Control

ATTEN _____
PHONE 818-357-3247

CONTACT WMC

CLIENT TMA NORCAL SAMPLES 5
COMPANY TMA/NORCAL
FACILITY _____

This report is for the sole and exclusive use of the client to whom it is addressed and represents only those samples herein described. Samples not destroyed in testing are retained a maximum of 30 days unless otherwise requested.

WORK ID Project: 2300-3
TAKEN Unknown
TRANS By UPS
TYPE Water & Soils
P. O. # 7012
INVOICE under separate cover

Results reported via telecon to George Dunstan on 7/18/88.

SAMPLE IDENTIFICATION

TEST CODES and NAMES used on this report

- 01 2300-3-1
- 02 2300-3-3
- 03 2300-3-4
- 04 2300-3-6
- 05 2300-3-7

- 8015M Fuels-Total Hydrocarbons
- 8015MS Fuels-Total Hydrocarbons

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TMA Inc. REPORT
Results by Sample

Work Order # 88-07-013

SAMPLE ID 2300-3-1

FRACTION 01A TEST CODE 8015M NAME Fuels-Total Hydrocarbons
Date & Time Collected not specified Category _____

MODIFIED 8015 - FUEL HYDROCARBONS

COMPOUND	RESULT	DET	LIMIT	ANALYST	RRM
C5 - C12 Gasoline Range	<u>257</u>		0.05	DATE INJECTED	<u>07/13/88</u>
C10 - C16 Jet Fuel Range	<u>ND</u>		0.05	DILUTION FACTOR	<u>1.00</u>
C9 - C22 Diesel Range	<u>ND</u>		0.05	VERIFIED	<u>WMC</u>

NOTE: All results reported in mg/L unless otherwise specified
ND = Not detected at the specified limits

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TMA Inc.

REPORT

Work Order # 88-07-013

Results by Sample

SAMPLE ID 2300-3-3

FRACTION Q2A TEST CODE 8015MS NAME Fuels-Total Hydrocarbons
Date & Time Collected not specified Category

MODIFIED 8015 - FUEL HYDROCARBONS

COMPOUND	RESULT	DET	LIMIT	ANALYST	RRM
C5 - C12 Gasoline Range	<u>120</u>		0.2	DATE INJECTED	<u>07/13/88</u>
C10 - C16 Jet Fuel Range	<u>ND</u>		0.2	DILUTION FACTOR	<u>1.00</u>
C9 - C22 Diesel Range	<u>ND</u>		0.2	VERIFIED	<u>WMC</u>

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TMA Inc.

REPORT

Work Order # 88-07-013

Results by Sample

SAMPLE ID 2300-3-4

FRACTION 03A TEST CODE 8015MS NAME Fuels-Total Hydrocarbons
Date & Time Collected not specified Category

MODIFIED 8015 - FUEL HYDROCARBONS

COMPOUND	RESULT	DET	LIMIT
C5 - C12 Gasoline Range	<u>ND</u>		0.2
C10 - C16 Jet Fuel Range	<u>ND</u>		0.2
C9 - C22 Diesel Range	<u>ND</u>		0.2

ANALYST RRM
DATE INJECTED 07/13/88
DILUTION FACTOR 1.00
VERIFIED WMC

NOTE: All results reported in mg/Kg unless otherwise specified
ND = Not detected at the specified limits

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TMA Inc.

REPORT

Work Order # 88-07-013

Results by Sample

SAMPLE ID 2300-3-6

FRACTION Q4A

TEST CODE B015MS

NAME Fuels-Total Hydrocarbons

Date & Time Collected not specified

Category _____

MODIFIED 8015 - FUEL HYDROCARBONS

COMPOUND	RESULT	DET	LIMIT
C5 - C12 Gasoline Range	<u>ND</u>		0.2
C10 - C16 Jet Fuel Range	<u>ND</u>		0.2
C9 - C22 Diesel Range	<u>ND</u>		0.2

ANALYST RRM
DATE INJECTED 07/13/88
DILUTION FACTOR 1.00
VERIFIED WMC

NOTE: All results reported in mg/Kg unless otherwise specified
ND = Not detected at the specified limits

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TMA Inc.

REPORT

Work Order # 88-07-013

Results by Sample

SAMPLE ID 2300-3-7

FRACTION 05A

TEST CODE 8015MS

NAME Fuels-Total Hydrocarbons

Date & Time Collected not specified

Category _____

MODIFIED 8015 - FUEL HYDROCARBONS

COMPOUND	RESULT	DET	LIMIT
C5 - C12 Gasoline Range	<u>627</u>		0.2
C10 - C16 Jet Fuel Range	<u>ND</u>		0.2
C9 - C22 Diesel Range	<u>ND</u>		0.2

ANALYST RRM
DATE INJECTED 07/13/88
DILUTION FACTOR 1.00
VERIFIED WMC

NOTE: All results reported in mg/Kg unless otherwise specified
ND = Not detected at the specified limits

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Received: 07/06/88

TMA Inc.

REPORT

Work Order # 88-07-013

07/18/88 14:48:26

TMA/NORCAL

As requested, five samples were analyzed in accordance with US EPA method 8015 modified. Please see the attached tables for the results.