

*Received Sep. 27 '94
- J.S.*

QUARTERLY MONITORING REPORT

Tharco Corporation
2222 Grant Avenue
San Lorenzo, California

Sampling Date: July 8, 1994

Prepared by:

HYDRO-ENVIRONMENTAL TECHNOLOGIES, INC.
2363 Mariner Square Drive, Suite 243
Alameda, California 94501
HETI Job No. 7-282

Prepared for:

THARCO CORPORATION
2222 Grant Avenue
San Lorenzo, California 94850-8600

August 8, 1994

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1.0 INTRODUCTION

This report presents the results of quarterly ground water sampling conducted by Hydro-Environmental Technologies, Inc. (HETI) at the Tharco facility in San Lorenzo (Figure 1). Sampling was performed on July 8, 1994.

2.0 BACKGROUND

An underground diesel fuel storage tank was excavated and removed from the site in July, 1993. Ground water in the tank excavation was observed to stabilize at approximately seven to eight feet below ground surface. Laboratory analysis was performed on soil and ground water samples collected from the excavation during tank removal activities. Total petroleum hydrocarbons as gasoline (TPHg) and benzene, toluene, ethylbenzene and total xylenes (BTEX) were detected in these samples.

HETI was retained by Tharco in early 1994 to conduct a preliminary subsurface investigation. HETI installed three ground water monitoring wells at the site in March, 1994. Petroleum hydrocarbons were detected in soil samples collected during the drilling of two of the three wells. Petroleum hydrocarbons were detected in water samples collected from all three wells. The depth to ground water was measured to be five feet below grade. The ground water flow direction was estimated to be to the south. Results of the investigation were presented in HETI's *Subsurface Investigation Report* dated July 7, 1994.

3.0 FIELD ACTIVITIES

On July 8, 1994, the depth to water in each of the wells was gauged to the nearest hundredth of a foot using an electronic depth sounder. Gauging data is included in Table 1. Following gauging, the wells were purged of three well casing volumes. Purging and sampling data is included in Appendix A.

After purging and recovery of the water level in the wells to at least 80 percent of their static levels, ground water samples were collected with dedicated, polyethylene bailers. The samples were transferred to appropriate sample containers provided by the laboratory. Sample containers were documented, labeled and placed in a cooler. A chain of custody was prepared and accompanied the samples to the laboratory; a copy is included in Appendix B. All sampling was performed according to HETI standard protocol, using methods which are consistent with guidelines established by the lead regulatory agencies. A copy of HETI's Drilling, Well Construction and Sampling Protocols was previously included in HETI's *Subsurface Investigation Report* dated July 7, 1994. Ground water sample analysis was performed by PACE Incorporated, a state DHS-certified laboratory located in Novato, California. The

samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8015 (modified), benzene, toluene, ethylbenzene and total xylenes (BTEX) by EPA Method 8020 (modified) and total petroleum hydrocarbons as diesel (TPHd) by EPA Method 8015 (modified).

4.0 RESULTS

4.1 Ground Water Data

The depth to ground water in the wells was measured to be from 5.28 to 5.93 feet below grade. No separate-phase petroleum was detected in the purge water from any of the wells. The depth to water measurements were combined with wellhead elevation data previously collected by HETI to calculate ground water elevations. The groundwater elevations are shown on Figure 3, the Ground Water Contour Map.

The ground water flow direction is southerly at a gradient of 0.014 feet/foot (1.4%). This flow direction and gradient are consistent with previous data. As shown on Table 1, ground water elevations have decreased by approximately one-half of a foot since the first set of groundwater samples was collected in March 1994.

4.2 Laboratory Analytical Results

Petroleum hydrocarbons were detected in ground water samples collected from monitoring wells MW-1 and MW-2 at concentrations of 120 parts per billion (ppb) and 110 ppb TPHg, respectively. Benzene was detected in ground water samples collected from monitoring wells MW-1, MW-2 and MW-3 at concentrations of 37 ppb, 1.1 ppb and 0.8 ppb, respectively. TPHd was detected in ground water samples collected from monitoring wells MW-1, MW-2 and MW-3 at concentrations of 0.1 ppm, 0.67 ppm and 0.27 ppm, respectively.

Cumulative analytical results are presented in Table 1, and are graphically illustrated on Figure 4, the Hydrocarbon Concentration Map. A copy of the laboratory report is attached as Appendix B.

5.0 CERTIFICATION

This report was prepared under the supervision of a professional engineer. All statements, conclusions and recommendations are based solely upon field observations and analytical analyses performed by a state-certified laboratory related to the work performed by Hydro-Environmental Technologies, Inc.

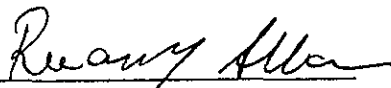
It is possible that variations in the soil or groundwater conditions exist beyond the points explored in this investigation. Also, site conditions are subject to change at some time in the future due to variations in rainfall, temperature, regional water usage, or other factors.

The service performed by Hydro-Environmental Technologies, Inc. has been conducted in a manner consistent with the level of care and skill ordinarily exercised by members of our profession currently practicing under similar conditions in the area of the site. No other warranty, expressed or implied, is made.

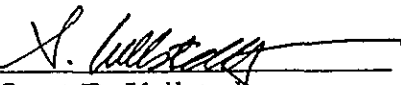
Hydro-Environmental Technologies, Inc. includes in this report chemical analytical data from a state-certified laboratory. These analyses are performed according to procedures suggested by the U.S. EPA and the State of California. Hydro-Environmental Technologies, Inc. is not responsible for laboratory errors in procedure or result reporting.

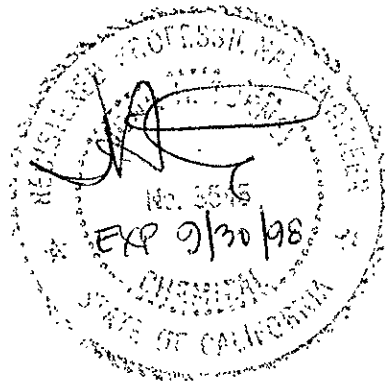
HYDRO-ENVIRONMENTAL TECHNOLOGIES, INC.

Prepared by:


Ruary Allan

Reviewed by:


Scott D. Kellstedt
Operations Manager



John H. Turney P. E.
Senior Engineer

TABLES

Table 1

GROUND WATER ELEVATIONS AND
SAMPLE ANALYTICAL RESULTS

Tharco
2222 Grant Avenue
San Leandro, CA

Sample I.D. #	Sampling Date	TOC (feet)	DTW (feet)	GWE (feet)	TPHg (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	TPHd (ppm)	(ppb)
MW-1	3/29/94	109.93	5.41	104.52	ND<50	2.4	ND<0.5	ND<0.5	0.6	0.05	50
	7/8/94	109.93	5.93	104.00	120	37	ND<0.5	ND<0.5	0.6	0.10	100
MW-2	3/29/94 (1)	109.68	4.81	104.87	460	8.4	0.6	3.4	1.6	1.0 (2)	1000
	7/8/94	109.68	5.28	104.40	110	1.1	ND<0.5	ND<0.5	ND<0.5	0.67	670
MW-3	3/29/94	109.88	5.34	104.54	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.08	80
	7/8/94	109.88	5.74	104.14	ND<50	0.8	ND<0.5	ND<0.5	ND<0.5	0.27 (3)	27

Notes:

TOC: Top of casing elevation

DTW: Depth to water

GWE: Ground water elevation

TPHg: Total petroleum hydrocarbons as gasoline by EPA Method 8015 (DHS-modified)

BTEX: Benzene, toluene, ethylbenzene and total xylenes by EPA Method 8020 (DHS-modified)

TPHd: Total petroleum hydrocarbons as diesel by EPA Method 3510/8015 (DHS-modified)

ppb: Parts per billion

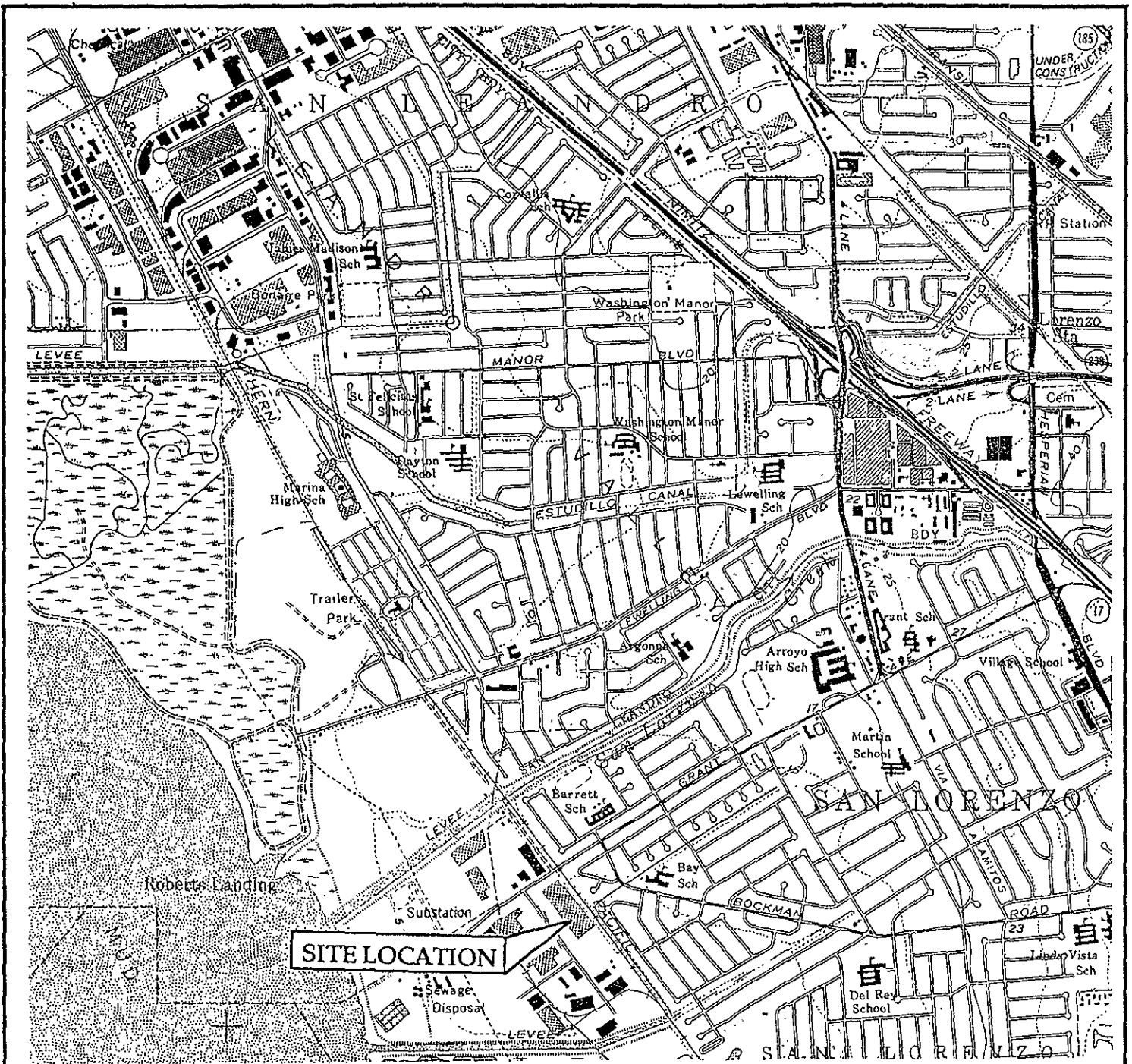
ppm: Parts per million

(1) MW-2 resampled for TPHd on 4/12/94: original 3/29/94 sample lost by laboratory

(2) High boiling point hydrocarbons beyond range of diesel standard were present in sample

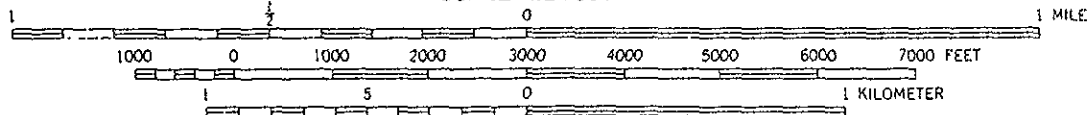
(3) Hydrocarbons present do not match the standard diesel pattern.

FIGURES



SITE LOCATION

SCALE 1:24 000



CONTOUR INTERVAL 20 FEET

SOURCE: USGS 7.5 MINUTE SERIES TOPOGRAPHIC MAP
 ENTITLED: SAN LEANDRO, CALIF. QUADRANGLE
 PHOTOREVISED: 1979



HYDR - ENVIRONMENTAL TECHNOLOGIES, INC.

SITE LOCATION MAP
 Tharco
 2222 Grant Avenue
 San Lorenzo, California

Figure
1
 7-282 3/94

EXPLANATION

⊙ MW-2 ■ MONITORING WELL

--- ■ PROPERTY-LINE

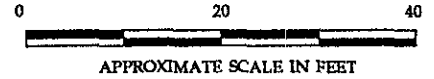
—X— FENCE

OFFICE AND WAREHOUSE BUILDING

TRUCK LOADING AREA

BENCHMARK

NORTH



STORAGE AREA

SEMI-TRAILER

← ABOVEGROUND PROPANE TANK

← APPROXIMATE LOCATION OF FORMER UNDERGROUND DIESEL STORAGE TANK EXCAVATION

CAR PARKING

MW-2

MW-1

SLIDING GATE

MW-3

STORAGE AREA

TRUCK AND TRAILER PARKING AREA

← WOODEN CURB

ENTRANCE

ENTRANCE

WORTHLEY DRIVE

HYDR -
ENVIR -
TECHN -
ENVIRONMENTAL
LOGIES, INC.

SITE PLAN
Tharco Corporation
2222 Grant Avenue
San Lorenzo, California

Figure
2

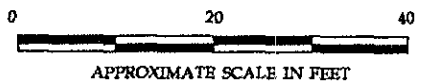
7-282 5/94

EXPLANATION

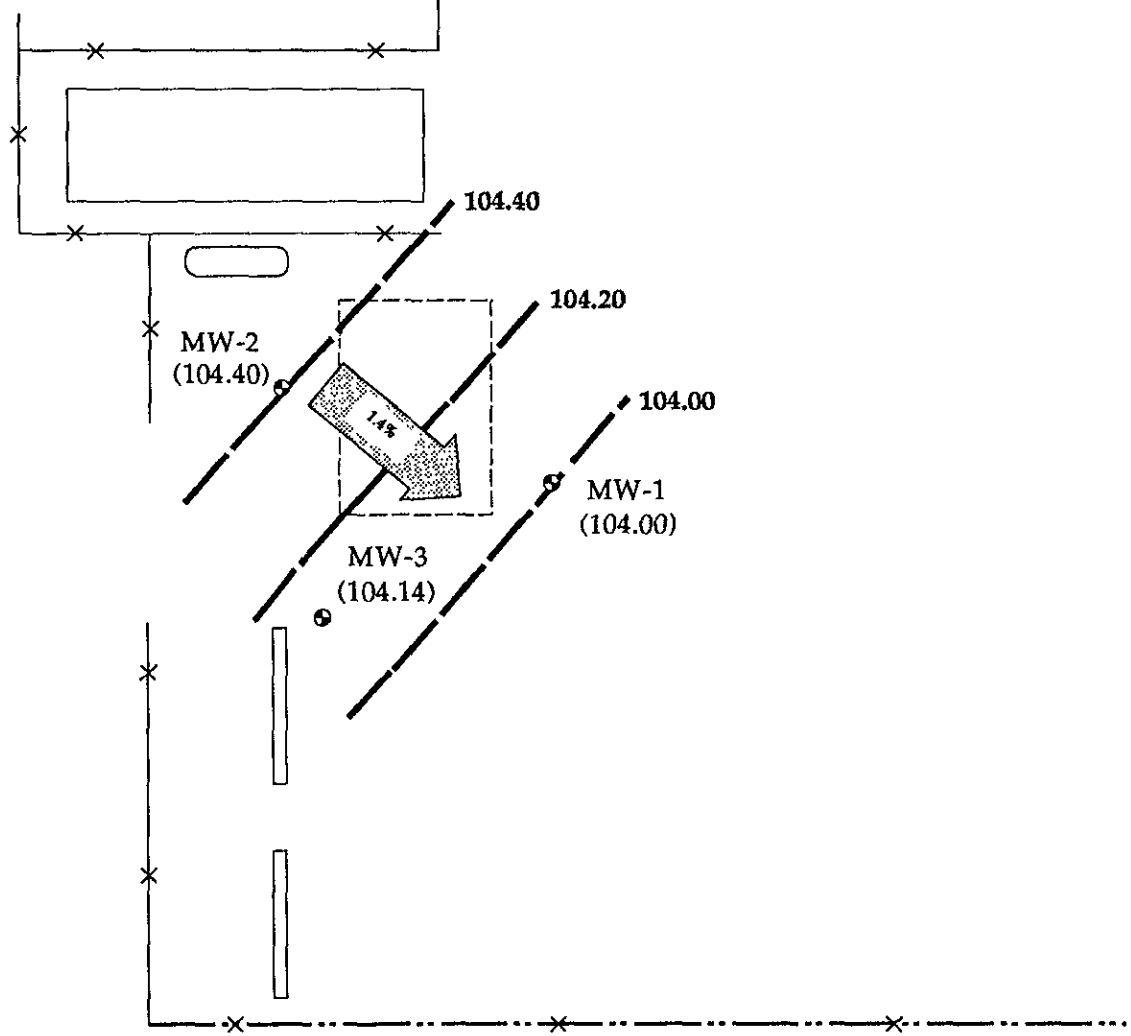
- ⊙ MW-2 = MONITORING WELL
- (104.00) = GROUND WATER ELEVATION (FEET)
- 104.40 = APPROXIMATE GROUND WATER ELEVATION CONTOUR (FEET)
- DASHED WHERE INFERRED
- 1.4% = APPROXIMATE GROUND WATER GRADIENT



NORTH



APPROXIMATE SCALE IN FEET



BASED ON DATA COLLECTED 7/8/94

HYDR -
ENVIR -
TECHN -
LOGIES, INC.

**GROUND WATER
CONTOUR MAP**
Tharco Corporation
2222 Grant Avenue
San Lorenzo, California

Figure
3

7-282 7/94

EXPLANATION

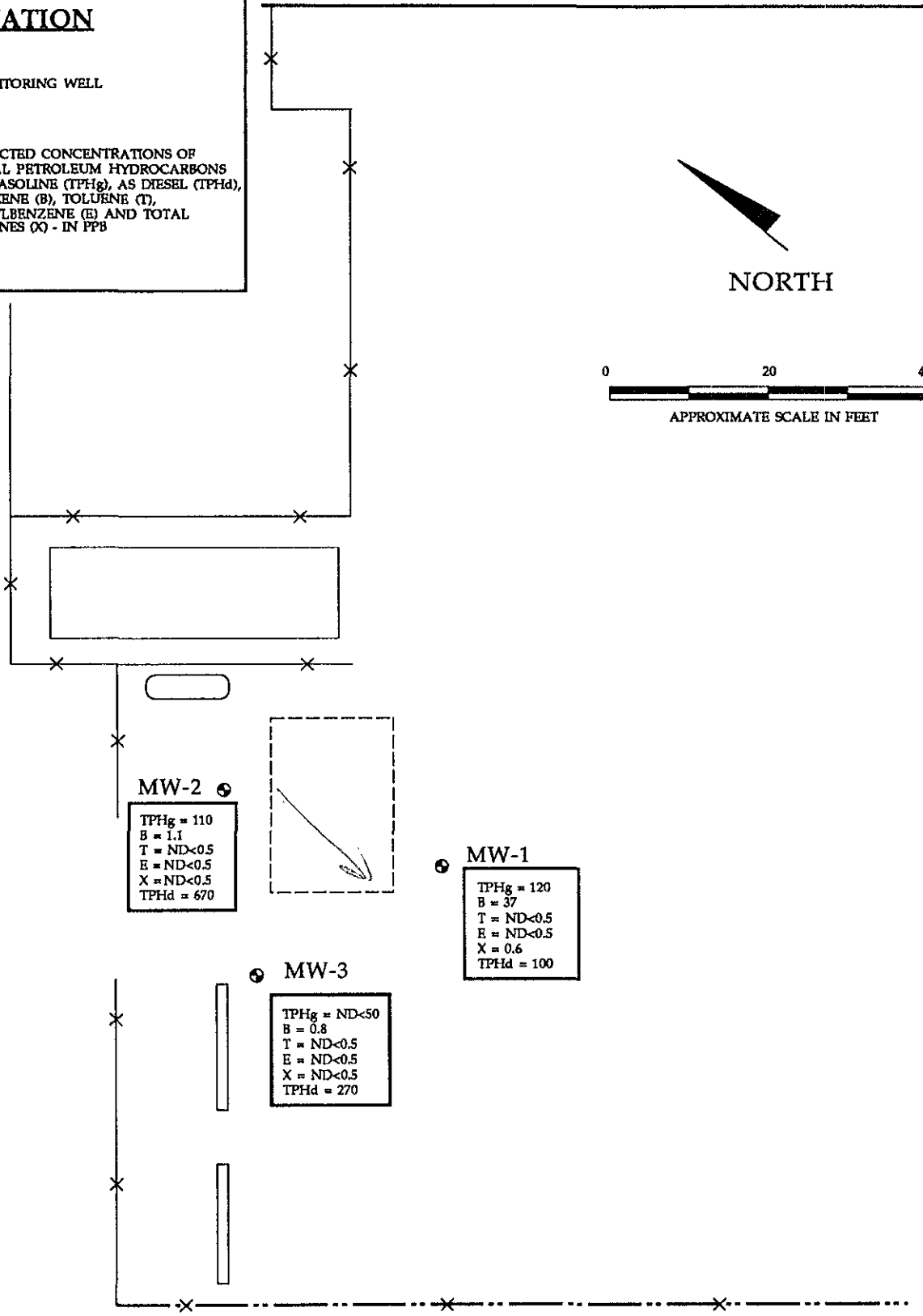
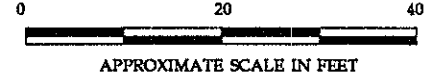
⊙ MW-2 = MONITORING WELL

TPHg = 120
 B = 37
 T = ND<0.5
 E = ND<0.5
 X = 0.6
 TPHd = 100

= DETECTED CONCENTRATIONS OF
 TOTAL PETROLEUM HYDROCARBONS
 AS GASOLINE (TPHg), AS DIESEL (TPHd),
 BENZENE (B), TOLUENE (T),
 ETHYLBENZENE (E) AND TOTAL
 XYLENES (X) - IN PPB



NORTH



MW-2 ⊙
 TPHg = 110
 B = 1.1
 T = ND<0.5
 E = ND<0.5
 X = ND<0.5
 TPHd = 670

MW-1 ⊙
 TPHg = 120
 B = 37
 T = ND<0.5
 E = ND<0.5
 X = 0.6
 TPHd = 100

MW-3 ⊙
 TPHg = ND<50
 B = 0.8
 T = ND<0.5
 E = ND<0.5
 X = ND<0.5
 TPHd = 270

BASED ON DATA COLLECTED 7/8/94

HYDR -
ENVIR -
TECHN -
ENVIRONMENTAL
LOGIES, INC.

HYDROCARBON
CONCENTRATION MAP
 Tharco Corporation
 2222 Grant Avenue
 San Lorenzo, California

Figure
4

7-282 7/94

APPENDIX A

PURGED/SAMPLED BY: R. Allan

DATE: 7-13-94

GAUGING DATA:

Depth to bottom: 18.40 ft.

Depth to water: 5.93 ft.

Saturated Thickness: 12.47 ft.

Conversion	
diam.	gals/ft.
<u>2 in.</u>	<u>x 0.16</u>
4 in.	x 0.65
6 in.	x 1.44

Well casing volume 2.0 gallons

volumes to purge x 3 vols.

*Total volume to purge = 6 gallons

* unless chemical parameters stabilize earlier

PURGING DATA:

Purge method: PVC bailer Submersible pump/ Suction lift pump/ _____
(circle one)

Time	Volume (gallons)	Temp. (°F)	Conductivity (mS/cm)	pH
11:30	0			
	2	72.3	10.25	7.77
	4	71.3	11.04	7.60
	6	70.4	10.19	7.56
	8	72.9	12.11	7.30

Color: tan

Turbidity: high

Recharge: good

SPP 0 ft. sb. elev

SAMPLING DATA:

Sampling method: Dedicated bailer

Sample for: (circle)

- TPHg/BTEX
- TPHd
- TPH mo
- 601
- METALS
- O-Pb
- Total Pb
- 602
- TOC
- TEL
- EDB
- Nitrates
- 8010
- 8020
- 8240
- 8260
- 8270

Other: _____

**HYDRO-
ENVIRONMENTAL
TECHNOLOGIES, INC.**

MONITORING WELL PURGE/SAMPLE SHEET
WELL # MW-1
LOCATION Tharco, San Lorenzo

Job No. 7-282
SHEET
1 of 1

PURGED/SAMPLED BY: R. Allan DATE: 7-13-94

GAUGING DATA:

Depth to bottom: 15.70 ft.
 Depth to water: 5.28 ft.
 Saturated Thickness: 9.42 ft.

Conversion	
diam.	gals/ft.
2 in.	x 0.16
4 in.	x 0.65
6 in.	x 1.44

Well casing volume 1.51 gallons
 # volumes to purge x 3 vols.
 *Total volume to purge = 5 gallons
 * unless chemical parameters stabilize earlier

PURGING DATA:

Purge method: PVC bailer / Submersible pump / Suction lift pump / _____
 (circle one)

Time	Volume (gallons)	Temp. (°F)	Conductivity (mS/cm)	pH
11:20A	0			
	2	73.5	7.34	8.54
	4	71.2	8.65	7.83
	6	70.2	9.44	7.55
	7	70.0	9.59	7.81

Color: brown Turbidity: mod-high
 Recharge: good SPP φ ft.

SAMPLING DATA:

Sampling method: Dedicated bailer / _____

Sample for: (circle)

- TPHg/BTEX METALS TOG 8010
- TPHd O-Pb TEL 8020
- TPH_{no} Total Pb EDB 8240
- 601 602 Nitrates 8260 8270
- Other: _____

**HYDRO-
 ENVIRONMENTAL
 TECHNOLOGIES, INC.**

MONITORING WELL PURGE/SAMPLE SHEET
 WELL # MW-2
 LOCATION Tharco, San Lorenzo

Job No. 7-282
 SHEET
 1 of 1

PURGED/SAMPLED BY: R. Allan

DATE: 7-13-94

GAUGING DATA:

Depth to bottom: 18.25 ft.

Depth to water: 5.74 ft.

Saturated Thickness: 12.51 ft.

Conversion	
diam.	gals/ft.
2 in.	x 0.16
4 in.	x 0.65
6 in.	x 1.44

Well casing volume 2.00 gallons

volumes to purge x 3 vols.

*Total volume to purge = 6 gallons

* unless chemical parameters stabilize earlier

PURGING DATA:

Purge method: PVC bailer Submersible pump/ Suction lift pump/ _____
(circle one)

Time	Volume (gallons)	Temp. (°F)	Conductivity (mS/cm)	pH
11:50	0		-	-
	2	75.7	2.07	8.23
	4	75.1	1.95	7.80
	6	74.8	1.96	7.50

Color: brownish grey

Turbidity: med-high

Recharge: good

SPP 0 ft.

SAMPLING DATA:

Sampling method: Dedicated bailer

Sample for: (circle)

- TPHg/BTEX
- TPHd
- TPH mo
- 601
- METALS
- O-Pb
- Total Pb
- 602
- TOC
- TEL
- EDB
- Nitrates
- 8010
- 8020
- 8240
- 8260
- 8270

Other: _____

**HYDRO-
ENVIRONMENTAL
TECHNOLOGIES, INC.**

MONITORING WELL PURGE/SAMPLE SHEET
WELL # MW-3
LOCATION Tharco, San Lorenzo

Job No.
7-282
SHEET
1 of 1

APPENDIX B



REPORT OF LABORATORY ANALYSIS

HYDRO ENVIRONMENTAL
 2363 Mariner Square Dr. #263
 ALAMEDA, CA 94501

July 22, 1994
 PACE Project Number: 440715505

Attn: Mr. Ruary Allan

Client Reference: 7-282

PACE Sample Number: 70 0356342
 Date Collected: 07/13/94
 Date Received: 07/15/94
 Client Sample ID: MW-1

<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>DATE ANALYZED</u>
------------------	--------------	------------	----------------------

ORGANIC ANALYSIS

<u>PURGEABLE FUELS AND AROMATICS</u>			
<u>TOTAL FUEL HYDROCARBONS, (LIGHT):</u>			
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	07/19/94
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			07/19/94
Benzene	ug/L	0.5	07/19/94
Toluene	ug/L	0.5	07/19/94
Ethylbenzene	ug/L	0.5	07/19/94
Xylenes, Total	ug/L	0.5	07/19/94
<u>EXTRACTABLE FUELS EPA 3510/8015</u>			
Extractable Fuels, as Diesel	mg/L	0.05	07/19/94
Date Extracted			07/18/94



REPORT OF LABORATORY ANALYSIS

Mr. Ruary Allan
Page 2

July 22, 1994
PACE Project Number: 440715505

Client Reference: 7-282

PACE Sample Number:
Date Collected:
Date Received:
Client Sample ID:
Parameter

70 0356350
07/13/94
07/15/94
MW-2

Units MDL DATE ANALYZED

ORGANIC ANALYSIS

PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):				
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	110	07/19/94
PURGEABLE AROMATICS (BTXE BY EPA 8020M):				
Benzene	ug/L	0.5	1.1	07/19/94
Toluene	ug/L	0.5	ND	07/19/94
Ethylbenzene	ug/L	0.5	ND	07/19/94
Xylenes, Total	ug/L	0.5	ND	07/19/94
EXTRACTABLE FUELS EPA 3510/8015				
Extractable Fuels, as Diesel	mg/L	0.05	0.67	07/19/94
Date Extracted			07/18/94	

Mr. Ruary Allan
 Page 3

July 22, 1994
 PACE Project Number: 440715505

Client Reference: 7-282

PACE Sample Number:
 Date Collected:
 Date Received:
 Client Sample ID:
 Parameter

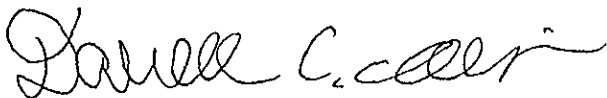
70 0356369
 07/13/94
 07/15/94
 MW-3

Units MDL DATE ANALYZED

ORGANIC ANALYSIS

PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):				
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	-	07/19/94
PURGEABLE AROMATICS (BTXE BY EPA 8020M):				
Benzene	ug/L	0.5	0.8	07/19/94
Toluene	ug/L	0.5	ND	07/19/94
Ethylbenzene	ug/L	0.5	ND	07/19/94
Xylenes, Total	ug/L	0.5	ND	07/19/94
EXTRACTABLE FUELS EPA 3510/8015				
Extractable Fuels, as Diesel	mg/L	0.05	0.27 HP	07/20/94
Date Extracted			07/18/94	

These data have been reviewed and are approved for release.


 Darrell C. Cain
 Regional Director



REPORT OF LABORATORY ANALYSIS

Mr. Ruary Allan
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FOOTNOTES
for pages 1 through 3

July 22, 1994
PACE Project Number: 440715505

Client Reference: 7-282

HP Hydrocarbons present do not match the Diesel Standard pattern.
MDL Method Detection Limit
ND Not detected at or above the MDL.



REPORT OF LABORATORY ANALYSIS

Mr. Ruary Allan
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QUALITY CONTROL DATA

July 22, 1994
PACE Project Number: 440715505

Client Reference: 7-282

EXTRACTABLE FUELS EPA 3510/8015
Batch: 70 32151
Samples: 70 0356342, 70 0356350, 70 0356369

METHOD BLANK:

Parameter	Units	MDL	Method Blank
Extractable Fuels, as Diesel	mg/L	0.05	ND

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	MDL	Reference Value	Recv	Dup1 Recv	RPD
Extractable Fuels, as Diesel	mg/L	0.05	1.00	92%	94%	2%

Mr. Ruary Allan
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QUALITY CONTROL DATA

July 22, 1994
 PACE Project Number: 440715505

Client Reference: 7-282

PURGEABLE FUELS AND AROMATICS
 Batch: 70 32152
 Samples: 70 0356342

METHOD BLANK:

Parameter	Units	MDL	Method Blank
TOTAL FUEL HYDROCARBONS, (LIGHT):			-
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND
PURGEABLE AROMATICS (BTXE BY EPA 8020M)			-
Benzene	ug/L	0.5	ND
Toluene	ug/L	0.5	ND
Ethylbenzene	ug/L	0.5	ND
Xylenes, Total	ug/L	0.5	ND

SPIKE AND SPIKE DUPLICATE:

Parameter	Units	MDL	700354439	Spike	Spike Recv	Dupl Recv	RPD
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND	1000	91%	94%	3%

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	MDL	Reference Value	Recv	Dupl Recv	RPD
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	1000	93%	96%	3%



REPORT OF LABORATORY ANALYSIS

Mr. Ruary Allan
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QUALITY CONTROL DATA

July 22, 1994
PACE Project Number: 440715505

Client Reference: 7-282

PURGEABLE FUELS AND AROMATICS
Batch: 70 32153
Samples: 70 0356350, 70 0356369

METHOD BLANK:

Parameter	Units	MDL	Method Blank
TOTAL FUEL HYDROCARBONS, (LIGHT):			-
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND
PURGEABLE AROMATICS (BTXE BY EPA 8020M)			-
Benzene	ug/L	0.5	ND
Toluene	ug/L	0.5	ND
Ethylbenzene	ug/L	0.5	ND
Xylenes, Total	ug/L	0.5	ND

SPIKE AND SPIKE DUPLICATE:

Parameter	Units	MDL	700356067	Spike	Spike Recv	Spike Dupl Recv	RPD
Benzene	ug/L	0.5	ND	100	90%	89%	1%
Toluene	ug/L	0.5	ND	100	94%	93%	1%
Ethylbenzene	ug/L	0.5	ND	100	95%	93%	2%
Xylenes, Total	ug/L	0.5	ND	300	96%	96%	0%

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	MDL	Reference Value	Recv	Dupl Recv	RPD
Benzene	ug/L	0.5	100	101%	98%	3%
Toluene	ug/L	0.5	100	105%	103%	2%
Ethylbenzene	ug/L	0.5	100	108%	106%	2%
Xylenes, Total	ug/L	0.5	300	110%	108%	2%

Mr. Ruary Allan
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FOOTNOTES
for pages 5 through 7

July 22, 1994
PACE Project Number: 440715505

Client Reference: 7-282

MDL Method Detection Limit
ND Not detected at or above the MDL.
RPD Relative Percent Difference

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client HYDRO-ENVIRONMENTAL
Address 2363 MARINER SQ DR.
#243, ALAMEDA CA 94501
Phone (510) 521-2684

Report To: HYDRO-ENVIRONMENTAL Pace Client No. _____
Bill To: AS ABOVE Pace Project Manager _____
P.O. # / Billing Reference 1 Pace Project No. 440715 505
Project Name / No. 7-282 *Requested Due Date: _____

Sampled By (PRINT): RUARY ALWAN
Sampler Signature Ruary Alwan Date Sampled 7-13-94

NO. OF CONTAINERS	PRESERVATIVES				ANALYSES REQUEST
	UNPRESERVED	H ₂ SO ₄	HNO ₃	VOA	
					TPH9/BTEX TPHd

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PAGE NO.	NO. OF CONTAINERS	H ₂ SO ₄	HNO ₃	VOA	ANALYSES REQUEST	REMARKS
1	MW-1	1PM	H ₂ O	356342	5 X		X		X X	
2	MW-2	↓	↓	35635.0	5 X		X		X X	
3	MW-3	↓	↓	35636.9	5 X		X		X X	
4										
5										
6										
7										
8										

COOLER NOS.	BAILERS	SHIPMENT METHOD	OUT / DATE	RETURNED / DATE	ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
					ALL	Ruary Alwan HETI	X. Willstall	7/14/94	5 pm
					ALL	X. Willstall	Donald Johari Pace	7/15/94	1117
						Donald Johari Pace	D. R. Pace	7/15/94	1245

Additional Comments
2 x 1L ampers for each TPHd
3 x VOA for each TPHg/BTEX
10/4 All