



*Renewed on 2/1/95
by J. Beech*

ALCO
HAZMAT

94 NOV 14 PM 4: 36

November 11, 1994

Ms. Juliet Shin
Alameda County Department of
Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502

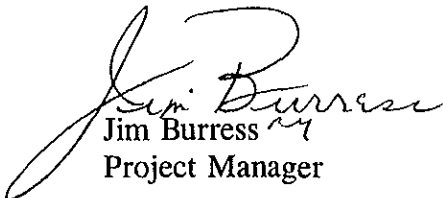
RE: Tharco Facility, 2222 Grant Avenue, San Lorenzo, CA

Dear Ms. Shin:

Enclosed please find a final copy of the Quarterly Monitoring Report prepared by Hydro-Environmental Technologies, Inc. (HETI) for the above-referenced site.

If you have any questions, please feel free to call me at 510/276-3000 X409.

Sincerely,


Jim Burrese
Project Manager

JB:py

Enc.

94 NOV 14 PM 4: 36

QUARTERLY MONITORING REPORT

Tharco Corporation
2222 Grant Avenue
San Lorenzo, California

Sampling Date: September 29, 1994

Prepared for:

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

Prepared by:

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

November 2, 1994

TABLE OF CONTENTS

1.0 INTRODUCTION1

2.0 BACKGROUND.....1

3.0 FIELD ACTIVITIES.....1

4.0 RESULTS2

 4.1 Ground Water Data.....2

 4.2 Laboratory Analytical Results.....2

5.0 CERTIFICATION3

TABLES

Table 1: Ground Water Elevations and Sample Analytical Results

FIGURES

- Figure 1: Site Location Map
- Figure 2: Site Plan
- Figure 3: Ground Water Contour Map
- Figure 4: Hydrocarbon Concentration Map

APPENDICES

- Appendix A: Ground Water Gauging and Purge/Sampling Field Notes
- Appendix B: Laboratory Reports and Chain-of-Custody Records

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 September 29, 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. Low to medium boiling point hydrocarbons, 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 September 29, 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, while recording field readings of pH, temperature, and electrical conductivity. 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), 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 6.06 to 6.46 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 southeasterly at a gradient of 0.006 feet/foot (0.6%). This flow direction and gradient are consistent with previous data. As shown on Table 1, ground water elevations have decreased by more than one 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 well MW-1 at a concentration of 180 parts per billion (ppb) TPHg. Benzene was detected in ground water samples collected from monitoring wells MW-1, MW-2 and MW-3 at concentrations of 1.2 ppb, 1.2 ppb and 0.6 ppb, respectively. TPHd was detected in ground water samples collected from monitoring wells MW-1, MW-2 and MW-3 at concentrations of 0.10 parts per million (ppm), 0.95 ppm and 0.42 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.

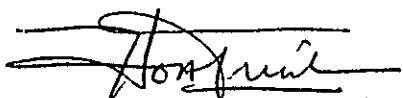
It is possible that variations in the soil or groundwater conditions exist beyond the points explored in this investigation. Also, site conditions are subject to change at some time in the future due to variations in rainfall, temperature, regional water usage, or other factors.

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:

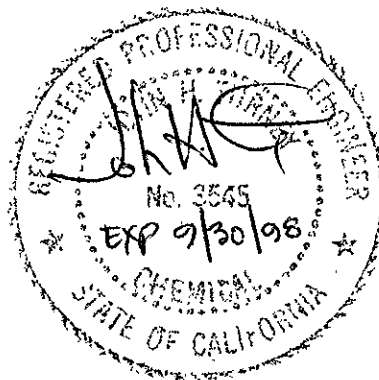


Hoa Trinh, E.I.T.
Staff Engineer

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

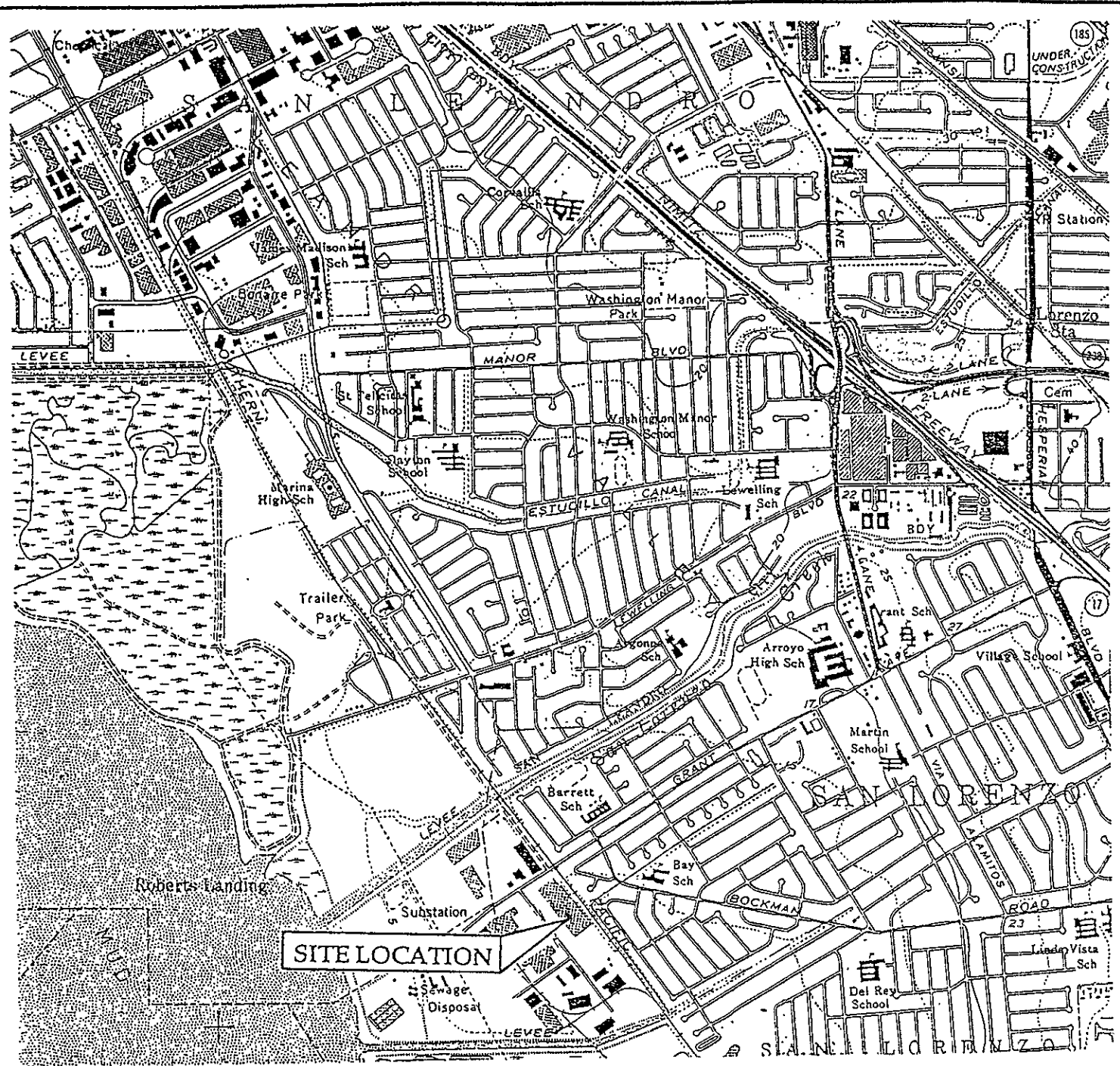
Sample furnished 7/93.

Sample I.D. #	Sampling Date	TOC (feet)	DTW (feet)	GWE (feet)	TPHg (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	TPHd (ppm)
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
	7/8/94	109.93	5.93	104.00	120	37	ND<0.5	ND<0.5	0.6	0.10
	9/29/94	109.93	6.46	103.47	180	1.2	0.7	1.4	0.5	0.10 <i>100 ppb</i>
MW-2	3/29/94 (1)	109.68	4.81	104.87	460	8.4	0.6	3.4	1.6	1.0 (2)
	7/8/94	109.68	5.28	104.40	110	1.1	ND<0.5	ND<0.5	ND<0.5	0.67
	9/29/94	109.68	6.06	103.62	ND<50	1.2	ND<0.5	ND<0.5	2.3	0.95 <i>950 ppb</i>
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
	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)
	9/29/94	109.88	6.24	103.64	ND<50	0.6	0.5	ND<0.5	3.6	0.42 <i>420 ppb</i>

Notes:

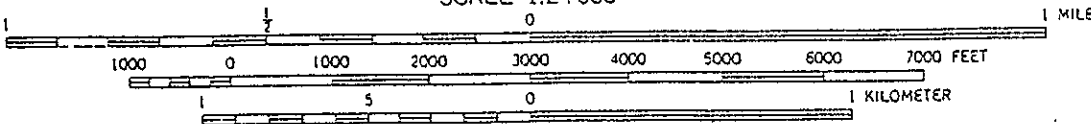
- TOC: Top of casing elevation
- DTW: Depth to water
- GWE: Ground water elevation
- TPHg: Total petroleum hydrocarbons as gasoline by EPA Method 8015 (DHS-modified)
- BTEX: Benzene, toluene, ethylbenzene and total xylenes by EPA Method 8020 (DHS-modified)
- TPHd: Total petroleum hydrocarbons as diesel 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 1:24000



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 ■ BENCHMARK

----- PROPERTY-LINE

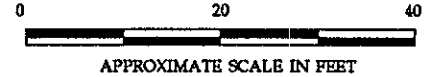
—X— FENCE

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 **NMENTAL**
TECHN **LOGIES, INC.**

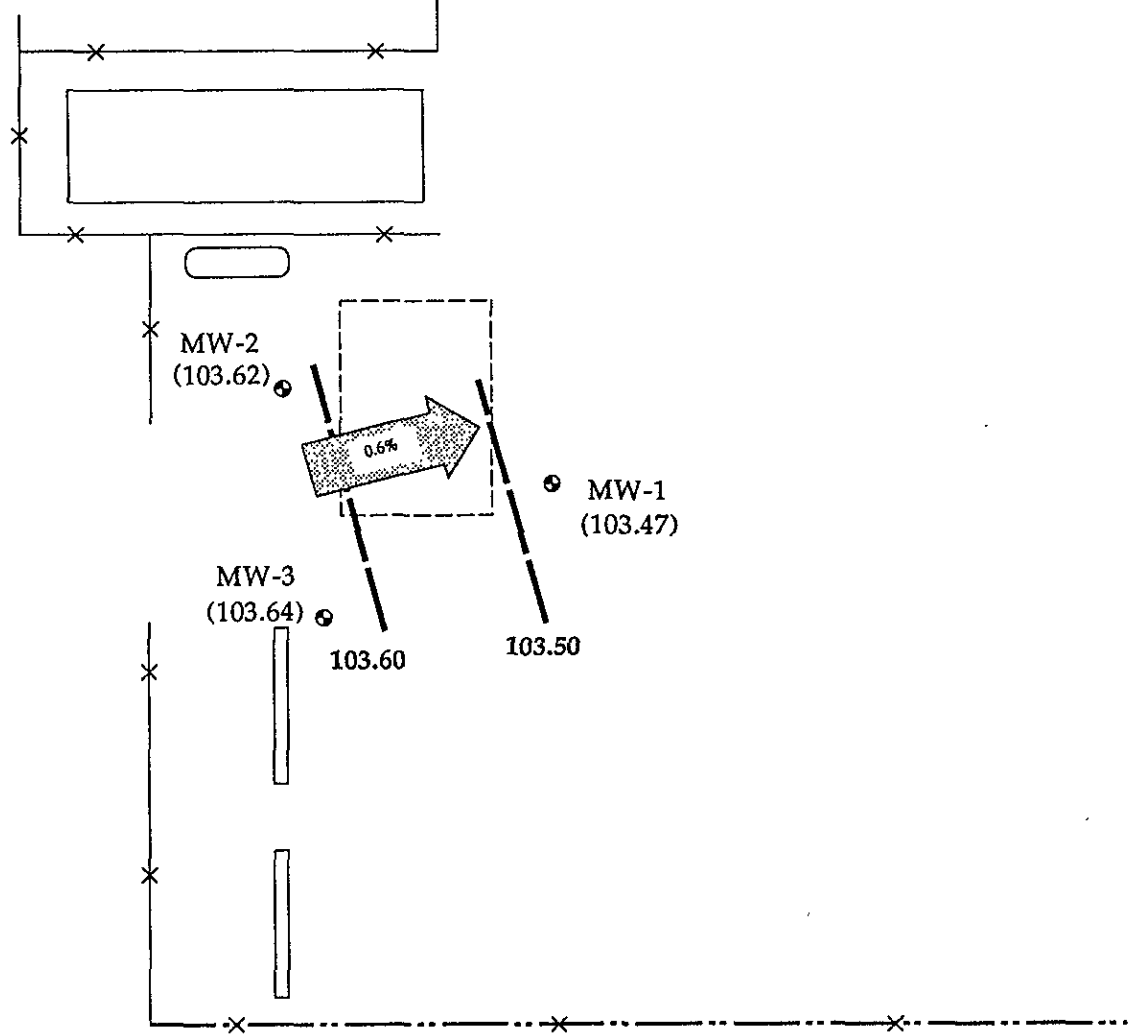
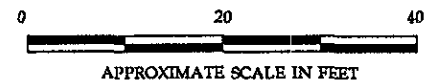
SITE PLAN
Tharco Corporation
2222 Grant Avenue
San Lorenzo, California

Figure
2

7-282 5/94

EXPLANATION

- MW-2 - MONITORING WELL
- (103.62) - GROUND WATER ELEVATION (FEET)
- 103.60 - APPROXIMATE GROUND WATER ELEVATION CONTOUR (FEET)
- DASHED WHERE INFERRED
- 0.6% - APPROXIMATE GROUND WATER GRADIENT



BASED ON DATA COLLECTED 9/29/94

HYDR -
ENVIR -
TECHN -
LOGIES, INC.

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

Figure
3

7-282 10/94

EXPLANATION

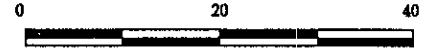
● MW-2 = MONITORING WELL

TPHg = 180
 B = 1.2
 T = 0.7
 E = 1.4
 X = 0.5
 TPHd = 100

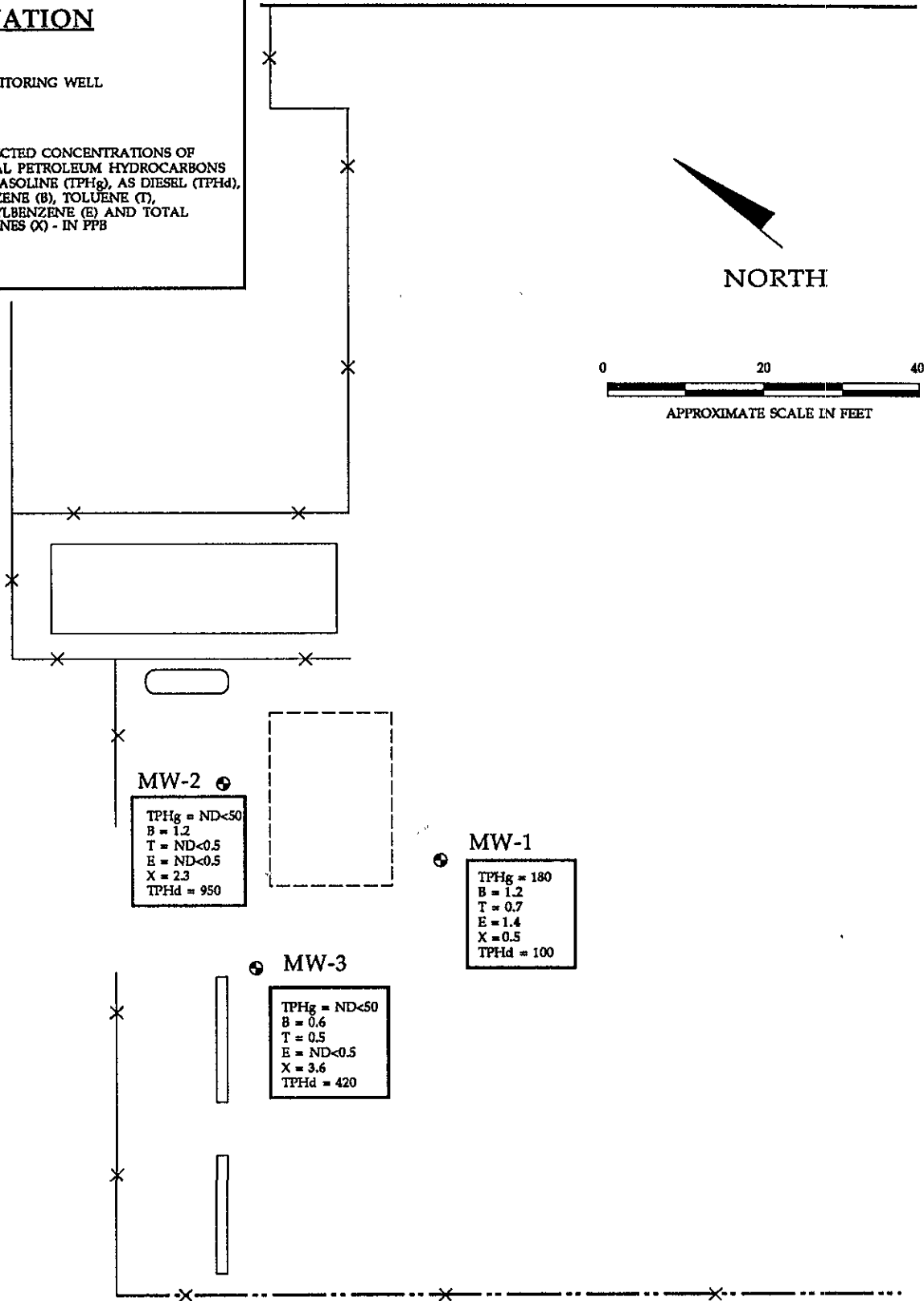
= DETECTED CONCENTRATIONS OF
 TOTAL PETROLEUM HYDROCARBONS
 AS GASOLINE (TPHg), AS DIESEL (TPHd),
 BENZENE (B), TOLUENE (T),
 ETHYLBENZENE (E) AND TOTAL
 XYLENES (X) - IN PPB



NORTH



APPROXIMATE SCALE IN FEET



MW-2 ●

TPHg = ND<50
 B = 1.2
 T = ND<0.5
 E = ND<0.5
 X = 2.3
 TPHd = 950

MW-1 ●

TPHg = 180
 B = 1.2
 T = 0.7
 E = 1.4
 X = 0.5
 TPHd = 100

MW-3 ●

TPHg = ND<50
 B = 0.6
 T = 0.5
 E = ND<0.5
 X = 3.6
 TPHd = 420

BASED ON DATA COLLECTED 9/29/94

HYDR  **ENVIRONMENTAL**
TECHNOLOGIES, INC.

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

Figure
4

7-282 10/94

APPENDIX A

PURGED/SAMPLED BY: R. Allan DATE: 9-29-94

GAUGING DATA:

Depth to bottom: 18.06 ft.
 Depth to water: 6.46 ft.
 Saturated Thickness: 11.60 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 1086 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) °C	Conductivity (mS/cm)	pH
<u>3.50</u>	<u>0</u>	<u>—</u>	<u>—</u>	<u>—</u>
	<u>2</u>	<u>21.5</u>	<u>11.67</u>	<u>6.66</u>
	<u>4</u>	<u>20.8</u>	<u>12.96</u>	<u>6.63</u>
<u>4.00</u>	<u>6</u>	<u>20.4</u>	<u>13.20</u>	<u>6.63</u>

Color: brown Turbidity: mod-high
 Recharge: mod SPP ∅ ft.

SAMPLING DATA:

Sampling method: Dedicated bailer / _____

Sample for: (circle)

- TPHg/BTEX METALS TOG 8010
- TPHA O-Pb TEL 8020
- TPH mro Total Pb EDB 8240
- 601 602 Nitrates 8260 8270
- Other: _____

**HYDRO-
 ENVIRONMENTAL
 TECHNOLOGIES, INC.**

MONITORING WELL PURGE/SAMPLE SHEET
 WELL # MW-1
 LOCATION THARCO, SAN LORENZO

Job No.
7-282
 SHEET
 (of 1)

PURGED/SAMPLED BY: R. Allan

DATE: 9-29-94

GAUGING DATA:

Depth to bottom: 17.17 ft.

Depth to water: 6.06 ft.

Saturated Thickness: 11.11 ft.

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

Well casing volume 1.78 gallons

volumes to purge x 3 vols.

*Total volume to purge = 5 1/2 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
4.20	0	—	—	—
	2	21.0	2.70	7.40
	4	20.8	2.85	7.32
4.27	5 1/2	20.6	2.96	7.21

Color: grey-brown

Turbidity: mod-high

Recharge: mod

SPP 0 ft.

SAMPLING DATA:

Sampling method: Dedicated bailer / _____

Sample for: (circle)

- IPHg/BTEX METALS TOC 8010
 - IPHd O-Pb TEL 8020
 - IPH mo Total Pb EDB 8240
 - 601 602 Nitrates 8260 8270
- Other: _____

HYDRO-
ENVIRONMENTAL
TECHNOLOGIES, INC.

MONITORING WELL PURGE/SAMPLE SHEET
WELL # MW-2
LOCATION TMARCO, SAN LORENZO

Job No.
7-282
SHEET
1 of 1

PURGED/SAMPLED BY: R. Allan DATE: 9-29-94

GAUGING DATA:

Depth to bottom: 17.46 ft.
 Depth to water: 6.24 ft.
 Saturated Thickness: 11.22 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 1.8 gallons
 # volumes to purge x 3 vols.
 *Total volume to purge = 5 1/2 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
4.05	0	-	-	-
4.10	2	19.5	10.82	7.10
	4	19.6	11.33	7.03
4.15	5 1/2	19.6	11.65	7.00

Color: brown Turbidity: mod - high
 Recharge: good SPP 0 ft.

SAMPLING DATA:

Sampling method: Dedicated bailer

- Sample for: (circle)
- TPH_g/BTEX METALS TOC 8010
 - TPH_d O-Pb TEL 8020
 - TPH_{ms} Total Pb EDB 8240
 - 601 602 Nitrates 8260 8270
- Other: _____

**HYDRO-
 ENVIRONMENTAL
 TECHNOLOGIES, INC.**

MONITORING WELL PURGE/SAMPLE SHEET
 WELL # MW-3
 LOCATION THARCO, SAN LORENZO

Job No. 9-282
 SHEET
 1 of 1

APPENDIX B



REPORT OF LABORATORY ANALYSIS

Hydro-Environmental Tech., Inc.
 2363 Mariner Square Dr., Suite 243
 Alameda, CA 94501

October 13, 1994
 PACE Project Number: 440930513

Attn: Mr. Scott Kellstedt

Client Reference: HETI 7-282; (Thatco)

PACE Sample Number: 70 0407800
 Date Collected: 09/29/94
 Time Collected: 17:00
 Date Received: 09/30/94
 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>			
TOTAL FUEL HYDROCARBONS, (LIGHT):		-	10/06/94
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	180
PURGEABLE AROMATICS (BTXE BY EPA 8020M):		-	10/06/94
Benzene	ug/L	0.5	1.2
Toluene	ug/L	0.5	0.7
Ethylbenzene	ug/L	0.5	1.4
Xylenes, Total	ug/L	0.5	0.5
<u>EXTRACTABLE FUELS EPA 3510/8015</u>			
Extractable Fuels, as Diesel	mg/L	0.05	0.10
Date Extracted			10/05/94



REPORT OF LABORATORY ANALYSIS

Mr. Scott Kellstedt
Page 2

October 13, 1994
PACE Project Number: 440930513

Client Reference: HETI 7-282: (Thatco)

PACE Sample Number: 70 0407818
 Date Collected: 09/29/94
 Time Collected: 17:00
 Date Received: 09/30/94
 Client Sample ID: MW-2

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

ORGANIC ANALYSIS

PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):				
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND	10/06/94
PURGEABLE AROMATICS (BTXE BY EPA 8020M):				
Benzene	ug/L	0.5	1.2	10/06/94
Toluene	ug/L	0.5	ND	10/06/94
Ethylbenzene	ug/L	0.5	ND	10/06/94
Xylenes, Total	ug/L	0.5	2.3	10/06/94
EXTRACTABLE FUELS EPA 3510/8015				
Extractable Fuels, as Diesel	mg/L	0.05	0.95	10/10/94
Date Extracted			10/05/94	

REPORT OF LABORATORY ANALYSIS

Mr. Scott Kellstedt
 Page 3

October 13, 1994
 PACE Project Number: 440930513

Client Reference: HETI 7-282; (Thatco)

PACE Sample Number: 70 0407826
 Date Collected: 09/29/94
 Time Collected: 17:00
 Date Received: 09/30/94
 Client Sample ID: MW-3

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

ORGANIC ANALYSIS

PURGEABLE FUELS AND AROMATICS

TOTAL FUEL HYDROCARBONS, (LIGHT):		-		10/06/94
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND	10/06/94
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	10/06/94
Benzene	ug/L	0.5	0.6	10/06/94
Toluene	ug/L	0.5	0.5	10/06/94
Ethylbenzene	ug/L	0.5	ND	10/06/94

Xylenes, Total	ug/L	0.5	3.6	10/06/94
----------------	------	-----	-----	----------

EXTRACTABLE FUELS EPA 3510/8015

Extractable Fuels, as Diesel	mg/L	0.05	0.42	10/10/94
Date Extracted			10/05/94	

These data have been reviewed and are approved for release.



for Darrell C. Cain
 Regional Director



REPORT OF LABORATORY ANALYSIS

Mr. Scott Kellstedt
Page 4

FOOTNOTES
for pages 1 through 3

October 13, 1994
PACE Project Number: 440930513

Client Reference: HETI 7-282: (Thatco)

MDL Method Detection Limit
ND Not detected at or above the MDL.



REPORT OF LABORATORY ANALYSIS

Mr. Scott Kellstedt
Page 5

QUALITY CONTROL DATA

October 13, 1994
PACE Project Number: 440930513

Client Reference: HETI 7-282; (Thatco)

EXTRACTABLE FUELS EPA 3510/8015
Batch: 70 34916
Samples: 70 0407800, 70 0407818, 70 0407826

METHOD BLANK:

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

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>Reference Value</u>	<u>Recv</u>	<u>Dup1 Recv</u>	<u>RPD</u>
Extractable Fuels, as Diesel	mg/L	0.05	1.00	36%	53%	38%



REPORT OF LABORATORY ANALYSIS

Mr. Scott Kellstedt
Page 6

QUALITY CONTROL DATA

October 13, 1994
PACE Project Number: 440930513

Client Reference: HETI 7-282; (Thatco)

PURGEABLE FUELS AND AROMATICS

Batch: 70 34924
Samples: 70 0407800, 70 0407818, 70 0407826

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	700401917	Spike	Spike Recv	Spike Dupl Recv	RPD
Benzene	ug/L	0.5	ND	100	106%	102%	4%
Toluene	ug/L	0.5	ND	100	102%	98%	4%
Ethylbenzene	ug/L	0.5	ND	100	98%	94%	4%
Xylenes, Total	ug/L	0.5	ND	300	101%	97%	4%

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	MDL	Reference Value	Recv	Dupl Recv	RPD
Benzene	ug/L	0.5	100	96%	104%	8%
Toluene	ug/L	0.5	100	94%	102%	8%
Ethylbenzene	ug/L	0.5	100	93%	100%	7%
Xylenes, Total	ug/L	0.5	300	96%	104%	8%



REPORT OF LABORATORY ANALYSIS

Mr. Scott Kellstedt
Page 7

FOOTNOTES
for pages 5 through 6

October 13, 1994
PACE Project Number: 440930513

Client Reference: HETI 7-282; (Thatco)

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

**CHAIN-OF-CUSTODY RECORD
Analytical Request**

Client H.E.T. I.
Address 2363 MARINER SQ. DR.
#243, ALAMEDA CA 94501
Phone (510) 521-2684

Report To: HET I (SCOTT KELLSTEDT) Pace Client No. 781128
Bill To: HET I Pace Project Manager RMC
P.O. # / Billing Reference 7-282 Pace Project No. 440930.513
Project Name / No. Threat Co. *Requested Due Date: 10 day

Sampled By (PRINT): RUARY ALLAN
Sampler Signature Ruary Allan Date Sampled _____

NO. OF CONTAINERS	PRESERVATIVES				ANALYSES REQUEST	REMARKS
	UNPRESERVED	H ₂ SO ₄	HNO ₃	VOA		
5	2	3	3	3	<input checked="" type="checkbox"/> TPMS <input checked="" type="checkbox"/> BTEX <input checked="" type="checkbox"/> TPHd	

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PAGE NO.	NO. OF CONTAINERS	UNPRESERVED	H ₂ SO ₄	HNO ₃	VOA	ANALYSES REQUEST	REMARKS
1	MW-1	5P	H ₂ O	40780.0	5	2	3	3	3	<input checked="" type="checkbox"/> TPMS <input checked="" type="checkbox"/> BTEX <input checked="" type="checkbox"/> TPHd	
2	MW-2	↓	↓	40781.8	↓	↓	↓	↓	↓	↓	
3	MW-3	↓	↓	40782.6	↓	↓	↓	↓	↓	↓	
4											
5											
6											
7											
8											

COOLER NOS.	BAILERS	SHIPMENT METHOD	ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
		OUT / DATE	RETURNED / DATE	All Ruary Allan HET I	Scott Kellstedt HET I	9/27	6pm
				All [Signature]	[Signature]	9/31	6:30
				All [Signature]	[Signature]	9/30	7:30

Additional Comments