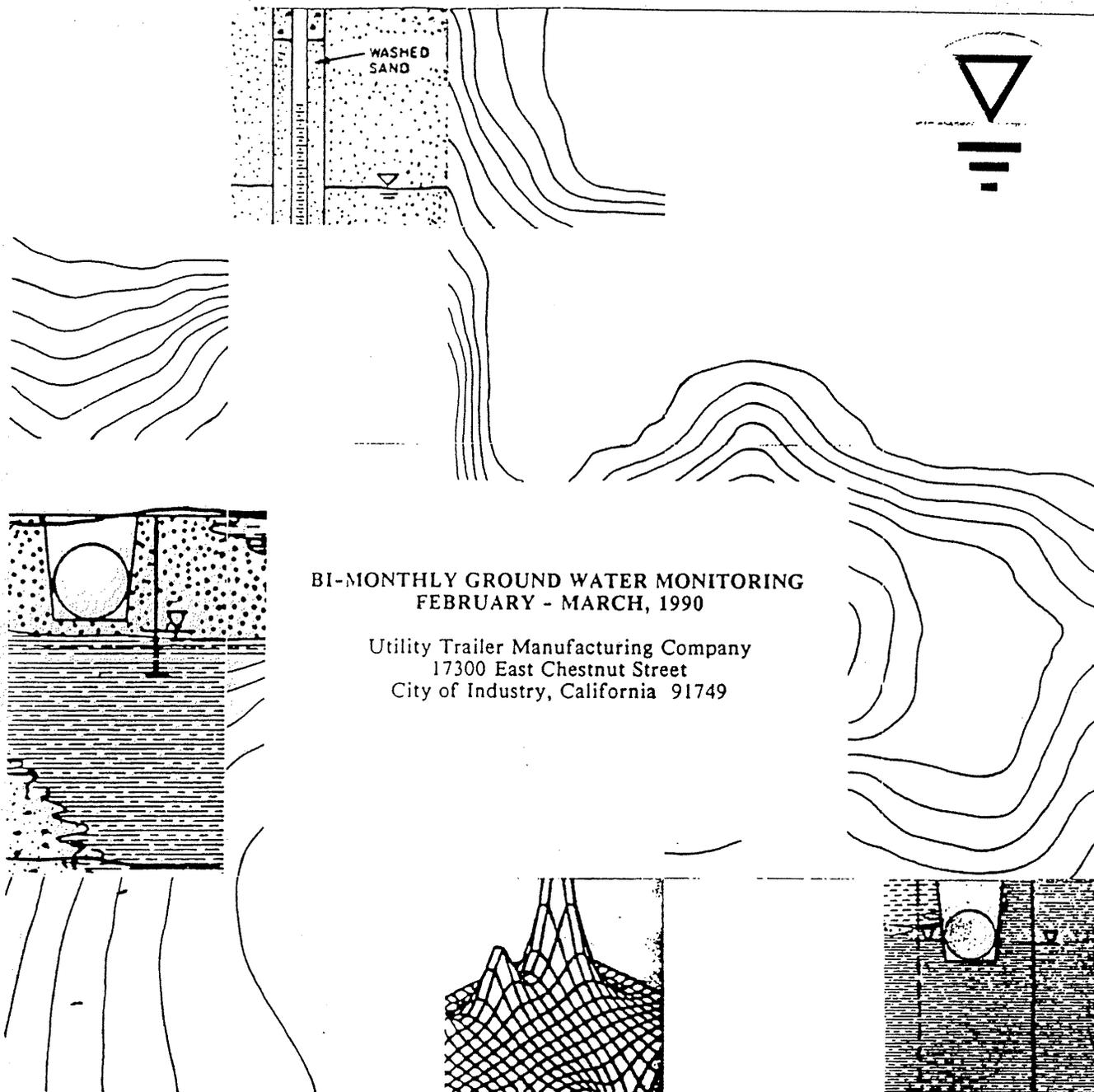


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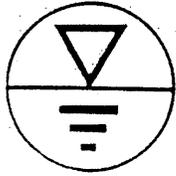
BI-MONTHLY GROUND WATER MONITORING
FEBRUARY - MARCH, 1990

Utility Trailer Manufacturing Company
17300 East Chestnut Street
City of Industry, California 91749

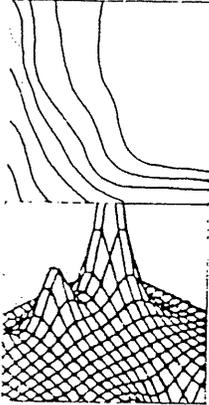
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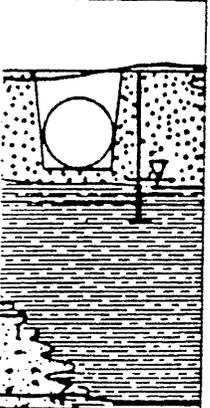
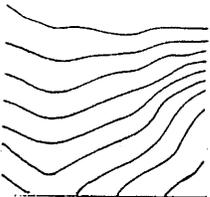
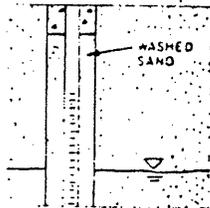
Prepared for:

Utility Trailer Manufacturing, Inc.
P.O. Box 1299
City of Industry, California 91749

Attention: Mr. Gary Little

BI-MONTHLY GROUND WATER MONITORING FEBRUARY - MARCH, 1990

Utility Trailer Manufacturing Company
17300 East Chestnut Street
City of Industry, California 91749



HFR00019.090

Project Number 1614-06

March 29, 1990

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**BI-MONTHLY GROUND WATER MONITORING
FEBRUARY - MARCH, 1990
17300 EAST CHESTNUT STREET
CITY OF INDUSTRY, CALIFORNIA**

1.0 EXECUTIVE SUMMARY

Presented herein are the results of bi-monthly ground water sampling completed during February and March, 1990 for Utility Trailer Manufacturing, Inc. located in the City of Industry, California. Samples collected from the Site's five ground water monitoring wells were analyzed for volatile halogenated and aromatic hydrocarbons. Sampled ground water is shallow and unconfined with an average gradient of 0.00509 feet per foot and a northwesterly flow direction.

Five volatile halogenated hydrocarbon compounds were detected in Site ground water. These included tetrachloroethene (PCE), trichloroethene (TCE), 1,1,1 trichloroethane (TCA), 1,1 dichloroethane (DCA), 1,1 dichloroethene (DCE). All of these compounds have been previously detected in Site ground water. All isoconcentration maps illustrate the location of highest concentrations of volatile halogenated hydrocarbons to be on the northwestern or northern portions of the Site (near MW-2 and MW-3, respectively).

2.0 INTRODUCTION

This report presents the findings of bi-monthly ground water monitoring completed for Utility Trailer Manufacturing, Incorporated. Included are an analysis of collected data and a summary of monitoring related activities completed during February and March, 1990.

2.1 SITE DESCRIPTION

Utility Trailer Manufacturing Company (the "Site") is located at 17300 East Chestnut Street, in the City of Industry, Los Angeles County, California (Figure 1).

The Site is bounded by Chestnut Street and San Jose Creek to the north, Los Angeles Water Company to the east, Somitex Prints of California, Inc. to the south and a vacant dirt field adjacent to Azusa Road to the west (Figure 2). The Site is currently occupied by a main manufacturing building, plant operations building and numerous small operational support buildings. The property is paved with asphalt and concrete, except for two unpaved areas located on the north and west portions of the Site. The northern area is used as an employee parking lot. The western area is used as a quality assurance test track. In the past, the Site has been used by previous occupants for raising livestock and other agricultural activities.

2.2 BACKGROUND

Numerous environmental investigations have been conducted at the Site by Triad Engineering and HYDRO-FLUENT, INC. These studies assessed the degree to which Site soil and ground water had been impacted by volatile halogenated and aromatic hydrocarbons. An overview of these investigations was presented in HYDRO-FLUENT, INC.'s June 9, 1989 report entitled "Ground Water Assessment" (Job No. 1614-04).

Upon reviewing these reports the California Regional Water Quality Control Board (CRWQCB) requested a bi-monthly ground water monitoring program for the Site (File No. AB105.296). In response to this request, Utility Trailer Manufacturing, Inc. contracted HYDRO-FLUENT, INC. to collect ground water samples from the Site's five existing monitoring wells and to present analytical test results in a format acceptable to the CRWQCB. The requested monitoring period began in August, 1989 and will continue until October, 1990.

3.0 GEOLOGY

3.1 REGIONAL GEOLOGY

The Site is located in the Puente Valley between the San Jose Hills to the north and the Puente Hills to the south. The Site is part of the Peninsular Range physiographic province, and lies within the Northeastern structural block as defined by United States Geological Survey (Yerkes and others, 1965). The region consists of Quaternary aged sediments and moderately thick Tertiary aged sedimentary strata overlying crystalline basement rocks.

The Tertiary aged sequence consists of fine- to coarse-grained marine clastic sedimentary rocks which have been divided into three formational units, the Puente, Repetto, and Pico Formations. The Puente Formation is the oldest Tertiary aged unit and the Pico Formation the youngest.

Quaternary aged sediments consists of unconsolidated to semi-consolidated alluvial and terrace deposits. Recent alluvium consists of coarse boulders, gravel, sand, silt, and some clay. Thickness of the alluvium ranges from a few inches to 100 feet depending upon the distance from the local hills. The thicker deposits occur at the center of the valley. Sediments are generally finer grained with increased distance from the local hills.

The Site overlies the Puente ground water basin. Water bearing zones exist in the upper member of the Pico Formation and the alluvium deposits. Ground water flow is generally east to west towards the Whittier Narrows area, and generally follows the San Jose Creek flood control channel.

3.2 SITE GEOLOGY

The Site is located adjacent to San Jose Creek within Quaternary aged alluvium underlain by Tertiary aged marine sediments. Clayey and sandy silts comprise the majority of sediments between the ground surface and 12 feet. Sands interbedded with silty clay predominate the sediments from 12 to 50 feet. The sands range from fine- to coarse-grained and commonly contain some clay. Coarser-grained sands generally occur at a lower depth within the borings and commonly contain approximately ten percent irregular shaped, angular gravel ranging from one to three inches in diameter. The MW-3 and MW-6 borings were terminated in a suspected impermeable silty clay.

3.3 HYDROGEOLOGY

Depth to ground water was measured at the time of sampling on February 12, 1990 and again on March 9, 1990 (See Table 1). Ground water elevations were then calculated by subtracting this height from the surveyed well elevations. Using this data, two ground water piezometric surfaces were contoured and are presented on Figures 3 and 4.

The contoured data exhibits a shallow unconfined layer of perched (?) ground water at an elevation of approximately 354 feet above mean sea level with an average gradient of 0.00509 feet per foot and a northwesterly flow direction. From June 1, 1989 to January 15, 1990, the ground water piezometric surface continually dropped, averaging a total of 0.30 feet. Current measurements indicate that the piezometric surface has risen an average of 0.22 feet since January (See Figure 5).

4.0 GROUND WATER SAMPLING METHODS

Prior to sampling, the wells were purged a minimum of three well volumes to remove standing water from the well casing and to promote the flow of water from the surrounding formation into the well casing. Well purging was accomplished through the use of a teflon bailer. Well volumes were calculated based on the height of the water column in the well casing and the casing diameter. All purging equipment was thoroughly washed using an aqueous solution of Alconox and double rinsed in bottled distilled water before being placed into a well.

Purge water was collected by lowering the bailer to the mid-point of the screened interval of each well. The wells were purged until the pH, electric conductance (EC) and temperature stabilized. A Presto-Tek model DspH-3 pH and conductivity meter was used to measure pH and EC, and a Taylor Instruments pocket mercury thermometer was used to measure temperature.

Water samples were collected using a clean teflon bailer. The teflon bailer was properly washed with an aqueous solution of Alconox and double rinsed in distilled water prior to the each use. For the purpose of quality control, a field blank was collected and designated "MW-7". This sample consisted of water which had been used for the final rinse of the sampling equipment. Chemical analysis of this sample is presented in Appendix A.

Samples obtained for determination of volatile organic hydrocarbons (VOC) were collected in 40-milliliter, "zero head-space" glass vials with teflon septa. The pre-cleaned vials were filled so that a positive (upward) meniscus resulted. The caps were secured and the vial inverted and tapped on a hard surface. If air bubbles were observed, the sample was discarded and the sampling procedure repeated.

All ground water samples were immediately labeled, placed into an ice chest with blue ice and chilled to 4 degrees Centigrade. Samples were delivered to a California state certified laboratory for analysis.

5.0 ANALYTICAL TESTING

Subsequent to the collection and proper labeling of each water sample, a HYDRO-FLUENT, INC. Chain-of-Custody Form was utilized to properly document the samples' date and time of collection, field conditions and identification number and/or location. Upon the completion of each day's field work, samples were transported under chain of custody to The Earth Technology Corporation, a California state certified laboratory, for chemical analysis by EPA established test methods. All testing procedures are described in Section 5.1 Analytical Methods.

5.1 ANALYTICAL METHODS

All ground water samples were analyzed utilizing EPA Method 624 (Method 624) which identifies volatile halogenated and aromatic hydrocarbons utilizing a gas chromatograph as a separator and a mass spectrometer as a detector.

5.2 ANALYTICAL RESULTS

Method 624 analysis of Site ground water revealed detectable amounts of five volatile halogenated hydrocarbon compounds. These included tetrachloroethene (PCE), trichloroethene (TCE), 1,1,1 trichloroethane (TCA), 1,1 dichloroethane (DCA), 1,1 dichloroethene (DCE). All of these compounds have been previously detected in Site ground water.

The highest concentrations of halogenated hydrocarbons were detected in samples collected from monitoring wells MW-2 and MW-3, in which MW-2 concentrations were higher for all detected analytes (See Tables 2 and 3). Ground water collected from MW-2 contained 820 parts per billion (ppb) of PCE, 56 ppb of TCE, 52 ppb of TCA, trace amounts of DCA (19 ppb), and 97 ppb of DCE. Chemical analysis of samples collected from MW-3 contained 340 ppb of PCE, 56 ppb of TCE, and detectable trace amounts of TCA and DCE (approximately 10 ppb and 13 ppb, respectively).

Concentrations of halogenated hydrocarbons detected at monitoring wells MW-4, MW-5, and MW-6 were generally lower than those detected at monitoring wells MW-2 and MW-3 (See Tables 4, 5, and 6). Chemical analysis of these samples detected concentrations of PCE ranging from 44 to 87 ppb, TCE concentrations ranging from trace amounts (approximately 3 ppb) to 10 ppb, TCA concentrations ranging from 15 ppb to 49 ppb, DCA concentrations ranging from nondetected to 5 ppb, and DCE concentrations ranging from 9 to 39 ppb.

6.0 SUMMARY OF FINDINGS

6.1 HYDROGEOLOGY

Contoured ground water piezometric surfaces exhibit a shallow unconfined layer of perched (?) ground water with an average gradient of 0.00509 feet per foot and a northwesterly flow direction.

6.2 ANALYTICAL OBSERVATIONS

Five volatile halogenated hydrocarbon compounds were detected in Site ground water samples. The highest concentrations were detected in samples collected from monitoring well MW-2. Maximum Site concentrations detected from MW-2 ground water were, 820 ppb of PCE, 56 ppb of TCE, 52 ppb of TCA, 19 ppb of DCA, and 97 ppb of DCE. Ground water samples collected from MW-3 also exhibited the TCE Site maximum concentration of 56 ppb.

Concentrations of detected volatile halogenated hydrocarbons were contoured to produce compound specific isoconcentration maps of the Site (See Figures 6, 7, 8, 9, and 10). A uniform, linear relationship was used to interpolate concentration values between data points. The contouring did not incorporate any site specific geological, historical, or operational information. All isoconcentration maps illustrate the location of highest concentrations of volatile halogenated hydrocarbons to be on the northwestern or northern portions of the Site (near MW-2 and MW-3, respectively).

Concentrations of detected volatile halogenated hydrocarbons were generally lower or remained approximately the same as those observed during the December, 1989 sampling. The maximum detected concentrations of PCE was 90 ppb less, TCE was 24 ppb less, TCA was 12 ppb less, DCA was 3 ppb less, and DCE was 13 ppb less than that observed in December, 1989.

7.0 SCHEDULED WORK ACTIVITIES

Six hundred gallons of purge water generated during December, 1989 and February, 1990 sampling work was manifested as a hazardous waste and transported on March 9, 1990 by a California state licensed hazardous waste hauler to Gibson Oil Refinery for treatment and disposal (See Appendix B).

Ground water sampling is tentatively scheduled for the middle of April, 1990. Ground water elevations will be measured during the sampling work and again in the middle of May, 1990.

8.0 LIMITATIONS

8.1 REPORT

Services performed by the Consultant under this Agreement were conducted in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions and in similar locations.

Client recognizes that subsurface conditions may vary from those encountered at the location where borings, surveys, or explorations are made by the Consultant and that the data, interpretations and recommendations of the Consultant are based solely on the information available to him. The Consultant shall not be responsible for the interpretation by others of the information developed.

The interpretations and conclusions of this report are based in part on data supplied by others, (previous investigation performed by others, laboratory analysis results, and toxicology or health information supplied by others). Such information, prepared by professionals, and in the case of the laboratory, certified by the State of California and using test methods established by the Environmental Protection Agency, are presumed correct and representative. The consultant has no control over or involvement in such testing or analysis, and does not possess a means of confirming accuracy of test results. Therefore, the consultant disclaims any responsibility for inaccuracy of information supplied by others in the preparation of this report.

Samples, sample analyses and observations used in the preparation of this report are inferred to be representative of the study area, however, geologic and hydrogeologic conditions revealed by future work at the site may disagree with preliminary findings. If conditions are different from those presented in the preliminary findings, the designs and plans may be re-evaluated and adjusted by the project engineer or geologist.

The findings in this report are valid as of the date presented. Site conditions may alter with time due to natural or man-made changes on this or adjacent property. Additionally, changes in governmental regulations applicable to the site may occur. The findings of this report may be partially, or wholly invalidated by changes beyond the consultant's control.

TABLES

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TABLE 1
GROUND WATER ELEVATIONS

MONITORING WELL NUMBER	WELL LOCATION CALIFORNIA COORDINATES NORTHINGS/EASTINGS	* SURVEYED ELEVATION (FEET ABOVE MEAN SEA LEVEL)		DEPTH TO GROUND WATER (FEET)		GROUND WATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)	
		2/12/90	3/9/90	2/12/90	3/9/90	2/12/90	3/9/90
MW-2	4,115,173.6537 / 4,310,197.4018	377.16	23.66	23.57	353.50	353.59	
MW-3	4,114,893.3839 / 4,310,644.9150	378.56	22.47	22.30	356.09	356.26	
MW-4	4,114,197.0643 / 4,310,242.6061	383.57	27.97	27.83	355.60	355.74	
MW-5	4,114,527.5265 / 4,310,068.9473	381.15	26.46	26.35	354.69	354.80	
MW-6	4,114,687.7317 / 4,310,297.7964	380.20	24.67	24.52	355.53	355.68	

* ELEVATION SURVEYED TO TOP EDGE OF WELL BOX

† THE CALIFORNIA COORDINATES FOR MW-3 SHOWN ON HYDRO-FLUENT, INC. JUNE 9, 1989 (JOB # 1614-04) REPORT WERE INCORRECTLY CALCULATED BY THE SURVEYOR. THE CORRECT COORDINATES ARE SHOWN HERE.

TABLE 2

GROUND WATER ANALYTICAL RESULTS
MONITORING WELL MW-2

DETECTED COMPOUNDS	EPA METHOD 624 ug/l (ppb)				
	5/10/89	8/29/89	10/12/89	12/12/89	02/13/90
VC	TR (3)	ND (10)	ND (5)	ND (10)	ND (50)
FREON 11	ND (5)	ND (5)	17	TR (8)	ND (50)
TRANS -1,2 DCE	ND (5)	ND (5)	13	ND (5)	ND (25)
DCE	480	26	120	110	97
DCA	72	9	42	22	TR (19)
CHLOROFORM	ND (5)	ND (5)	ND (5)	TR (3)	ND (25)
TCA	240	37	70	64	52
TCE	74	62	96	65	56
PCE	1100	150	990	E (910)	820

NOTES: (ND) nondetected, detection limit shown; (TR) trace detected, estimated amount shown; (E) estimated concentration; (VC) vinyl chloride; (FREON 11) trichlorofluoromethane; (DCE) 1,1 dichloroethene; (DCA) 1,1 dichloroethane; (TRANS-1,2 DCE) trans-1,2 dichloroethene; (TCA) 1,1,1 trichloroethane; (TCE) trichloroethene; (PCE) tetrachloroethene; (ppb) parts per billion; (ug/l) micrograms per liter.

TABLE 3

GROUND WATER ANALYTICAL RESULTS
MONITORING WELL MW-3

DETECTED COMPOUNDS	EPA METHOD 624 ug/l (ppb)				
	5/11/89	8/29/89	10/12/89	12/12/89	02/13/90
FREON 11	5	ND (10)	31	ND(100)	ND (50)
TRANS-1,2 DCE	ND (5)	ND (5)	20	ND (50)	ND (25)
DCE	28	97	34	TR (15)	TR (13)
DCA	18	20	11	ND (50)	ND (25)
TCA	89	53	6	TR (16)	TR (10)
TCE	63	53	100	80	56
PCE	100	530	170	330	340

NOTES: (ND) nondetected, detection limit shown; (TR) trace detected, estimated amount shown; (FREON 11) trichlorofluoromethane; (DCE) 1,1 dichloroethene; (DCA) 1,1 dichloroethane; (TRANS-1,2 DCE) trans-1,2 dichloroethene; (TCA) 1,1,1 trichloroethane; (TCE) trichloroethene; (PCE) tetrachloroethene; (ppb) parts per billion; (ug/l) micrograms per liter.

TABLE 4

GROUND WATER ANALYTICAL RESULTS
MONITORING WELL MW-4

DETECTED COMPOUNDS	EPA METHOD 624 ug/l (ppb)				
	5/11/89	8/28/89	10/11/89	12/12/89	02/12/90
CARBON DISULFIDE	ND (5)	ND (5)	TR (4)	ND (50)	ND (5)
DCE	25	17	14	ND (50)	12
DCA	TR (2)	ND (5)	ND (5)	ND (50)	ND (5)
TCA	30	20	19	TR (17)	15
TCE	.5	TR (3)	ND (5)	TR (23)	TR (3)
PCE	120	79	73	89	87
TOLUENE	ND (5)	ND (5)	TR (2)	ND (50)	ND (5)

NOTES: (ND) nondetected, detection limit shown; (TR) trace detected, estimated amount shown; (DCE) 1,1 dichloroethene; (DCA) 1,1 dichloroethane; (TCA) 1,1,1 trichloroethane; (TCE) trichloroethene; (PCE) tetrachloroethene; (ppb) parts per billion; (ug/l) micrograms per liter.

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TABLE 5

GROUND WATER ANALYTICAL RESULTS
MONITORING WELL MW-5

DETECTED COMPOUNDS	EPA METHOD 624 ug/l (ppb)				
	5/10/89	8/28/89	10/11/89	12/11/89	02/12/90
CARBON DISULFIDE	ND (5)	ND (5)	7	ND (5)	ND (5)
DCE	17	11	9	8	9
DCA	TR (2)	ND (5)	ND (5)	TR (1)	ND (5)
CHLOROFORM	ND (5)	ND (5)	TR (2)	ND (5)	ND (5)
TCA	32	20	21	17	21
TCE	6	TR (4)	TR (4)	TR (5)	TR (4)
PCE	48	32	34	38	44

NOTES: (ND) nondetected, detection limit shown; (TR) trace detected, estimated amount shown; (DCE) 1,1 dichloroethene; (DCA) 1,1 dichloroethane; (TCA) 1,1,1 trichloroethane; (TCE) trichloroethene; (PCE) tetrachloroethene; (ppb) parts per billion; (ug/l) micrograms per liter.

UTM 000538

TABLE 6

GROUND WATER ANALYTICAL RESULTS
MONITORING WELL MW-6

DETECTED COMPOUNDS	EPA METHOD 624 ug/l (ppb)				
	5/10/89	8/28/89	10/11/89	12/12/89	02/12/90
CARBON DISULFIDE	ND (5)	ND (5)	7	ND (5)	ND (5)
DCE	58	53	45	39	39
DCA	5	ND (5)	TR (4)	TR (4)	TR (5)
TCA	79	52	50	43	49
TCE	10	8	9	10	10
PCE	77	62	64	76	72
TOLUENE	ND (5)	ND (5)	TR (1)	ND (5)	ND (5)

NOTES: (ND) nondetected, detection limit shown; (TR) trace detected, estimated amount shown; (DCE) 1,1 dichloroethene; (DCA) 1,1 dichloroethane; (TCA) 1,1,1 trichloroethane; (TCE) trichloroethene; (PCE) tetrachloroethene; (ppb) parts per billion; (ug/l) micrograms per liter.

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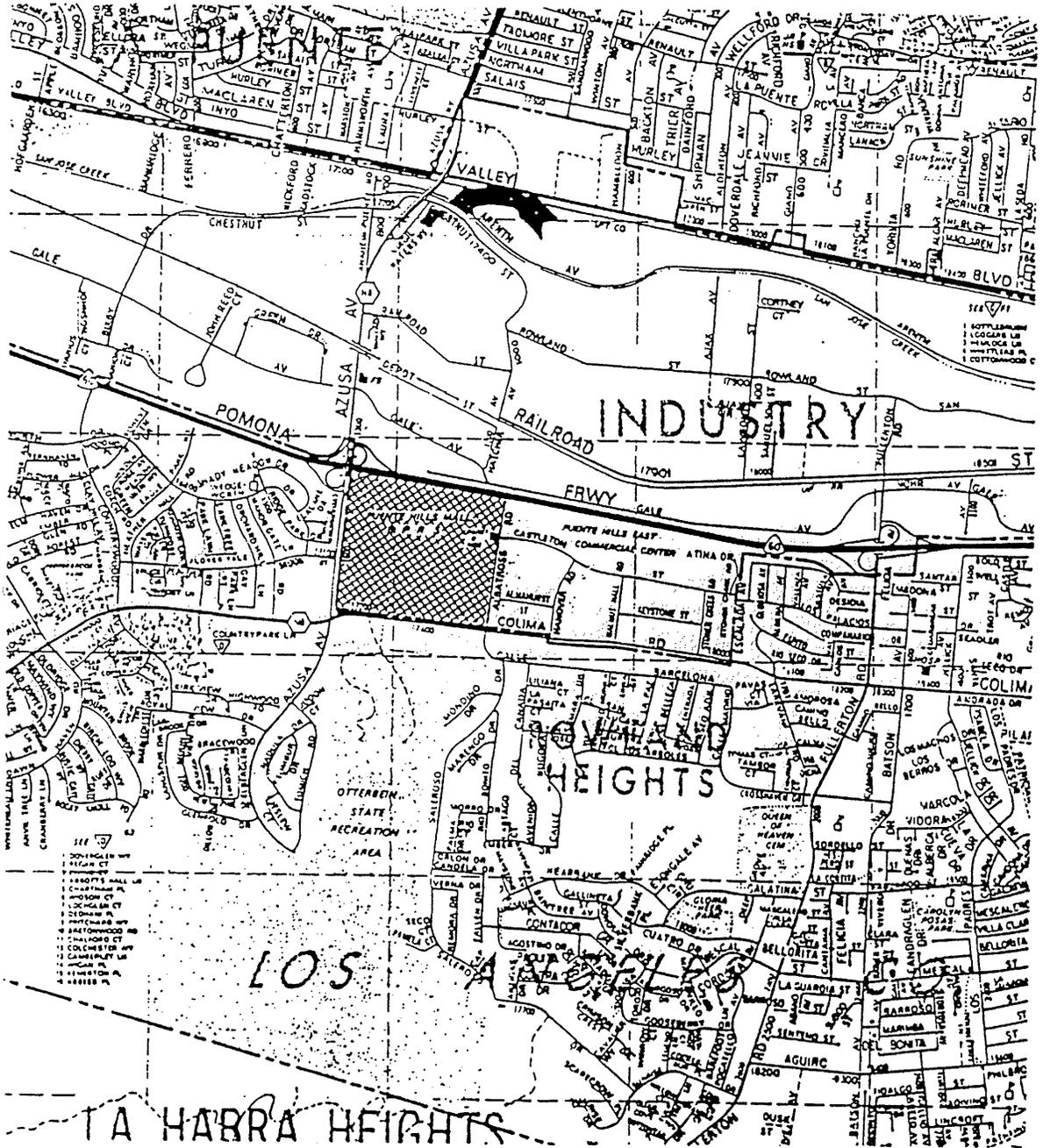
FIGURES

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SITE

LOCATION

MAP



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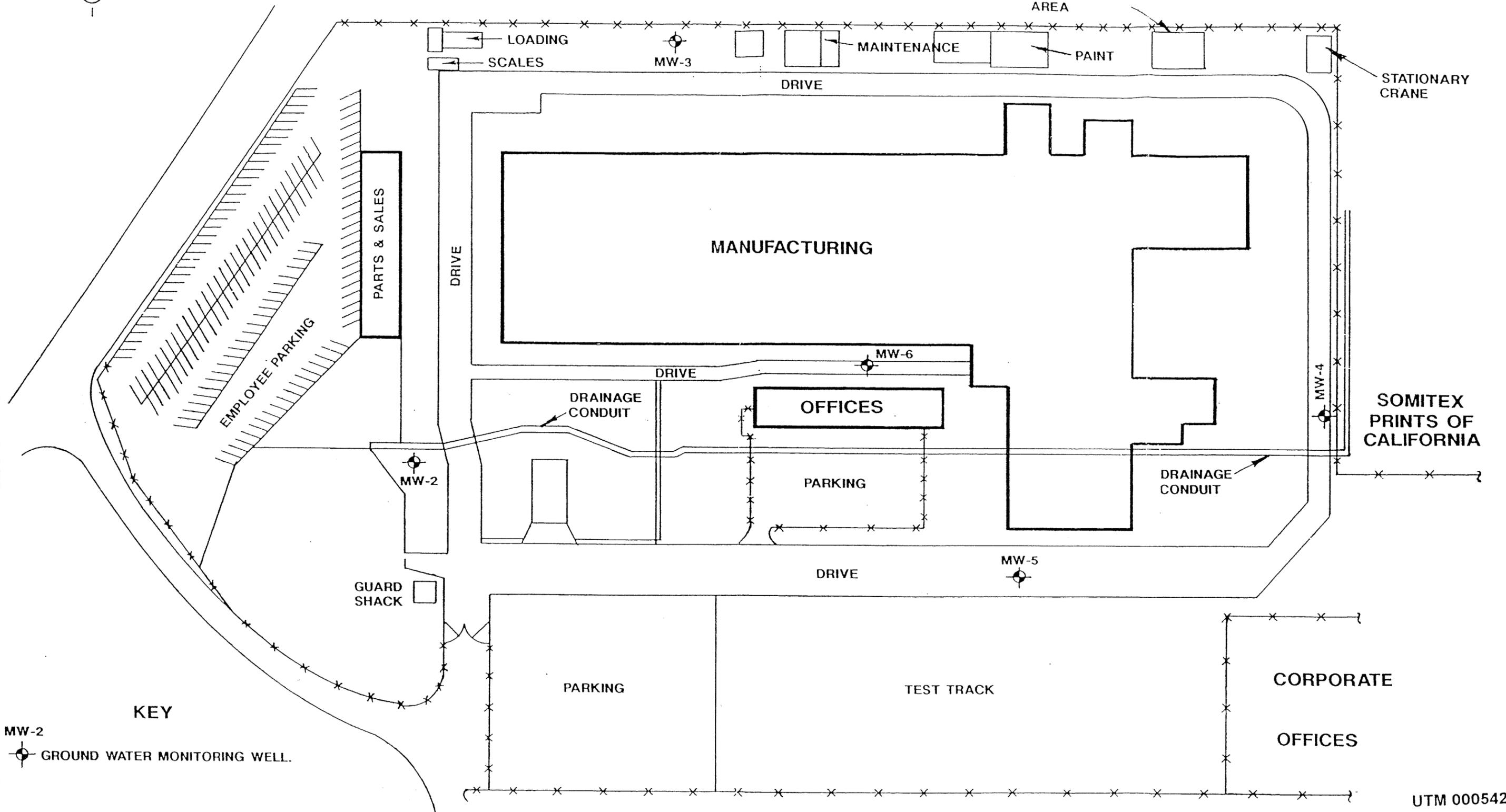
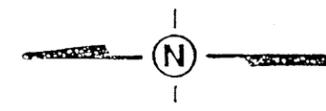


UTILITY TRAILER MANUFACTURING CO
1730 E CHESTNUT STREET
CITY OF INDUSTRY, CALIFORNIA

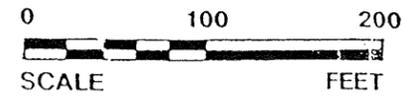
Project No.: 1614-06

Figure No.: 1

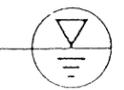
SPILL
CONTAINMENT
AREA



KEY
 MW-2
 GROUND WATER MONITORING WELL.



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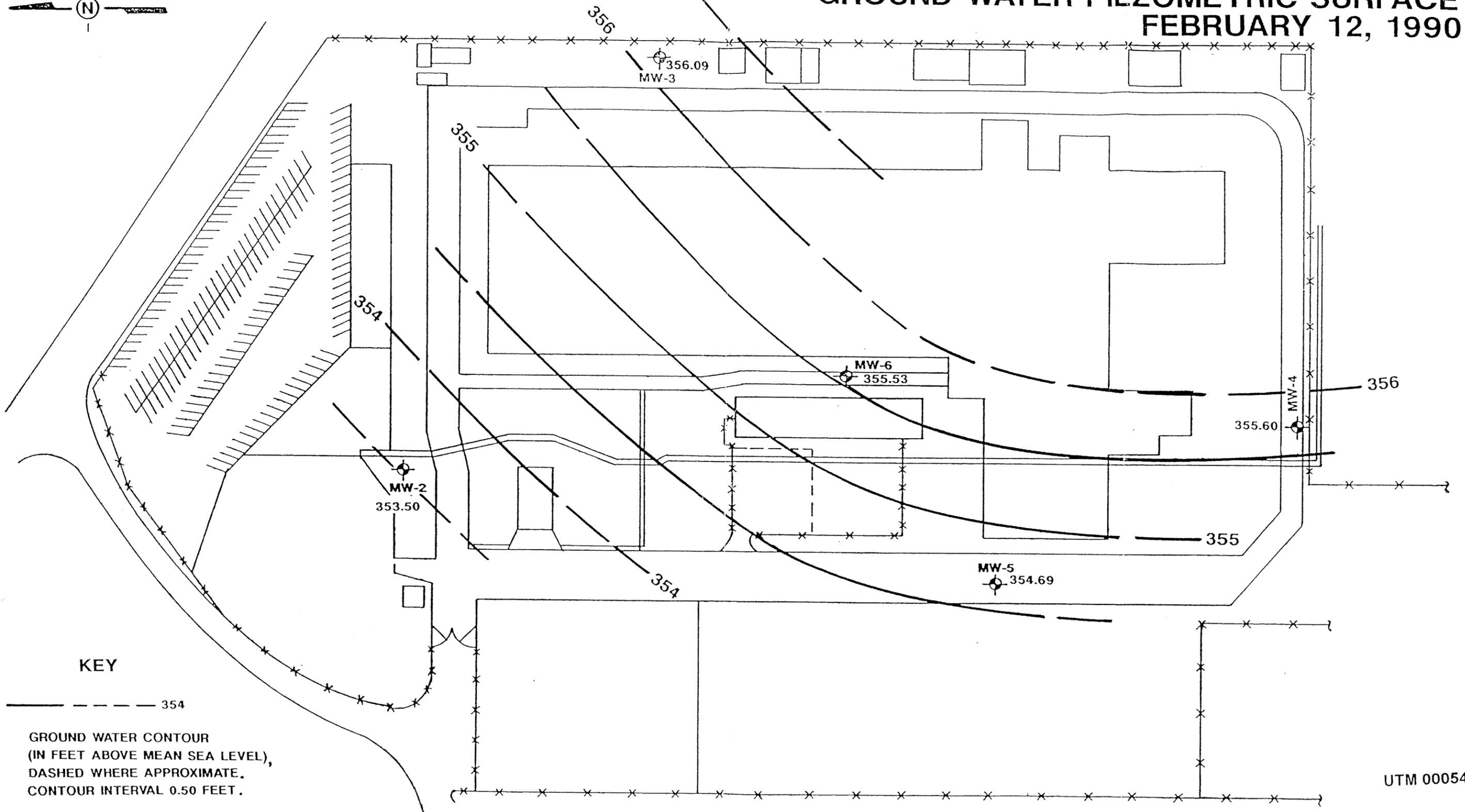
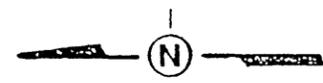
UTILITY TRAILER MANUFACTURING, CO
 1730 E. CHESTNUT STREET
 CITY OF INDUSTRY, CALIFORNIA

Project No.: 1614-06

Figure No.: 2

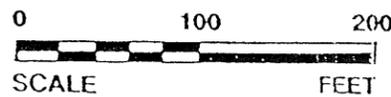
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GROUND WATER PIEZOMETRIC SURFACE FEBRUARY 12, 1990



KEY

354
 GROUND WATER CONTOUR
 (IN FEET ABOVE MEAN SEA LEVEL),
 DASHED WHERE APPROXIMATE.
 CONTOUR INTERVAL 0.50 FEET.



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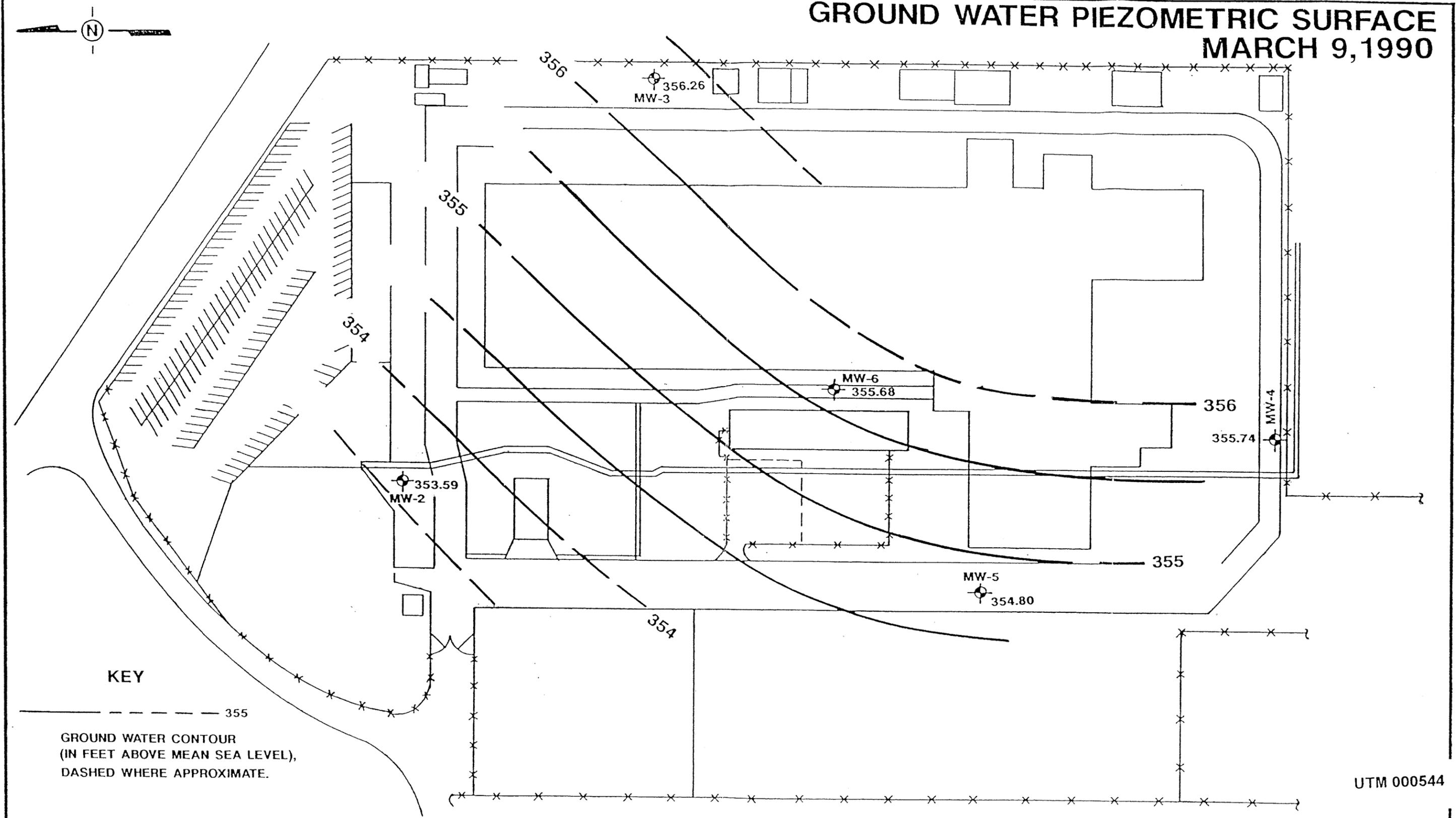
Project No.: 1614-06

Figure No.: 3

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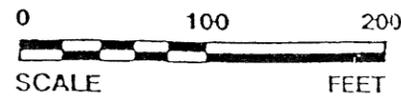
MARCH 90

GROUND WATER PIEZOMETRIC SURFACE MARCH 9, 1990



KEY

--- 355
GROUND WATER CONTOUR
(IN FEET ABOVE MEAN SEA LEVEL),
DASHED WHERE APPROXIMATE.



UTM 000544

MARCH 90

HYDRO-FLUENT, INC.
geology • engineering • environmental services

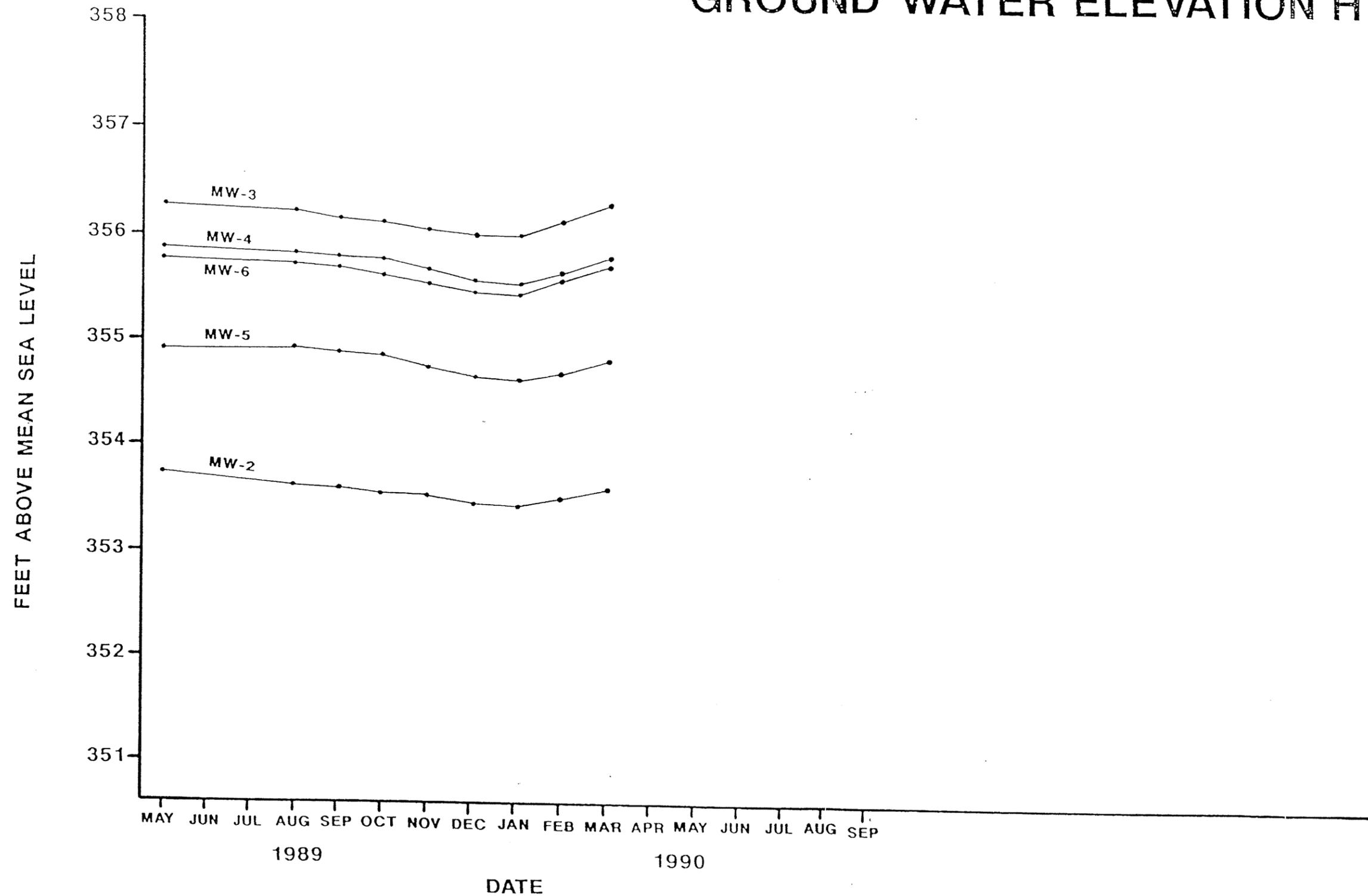


UTILITY TRAILER MANUFACTURING, CO
1730 E. CHESTNUT STREET
CITY OF INDUSTRY, CALIFORNIA

Project No.: 1614-06

Figure No.: 4

GROUND WATER ELEVATION HYDROGRAPH



MARCH 1990

HYDRO-FLUENT, INC.

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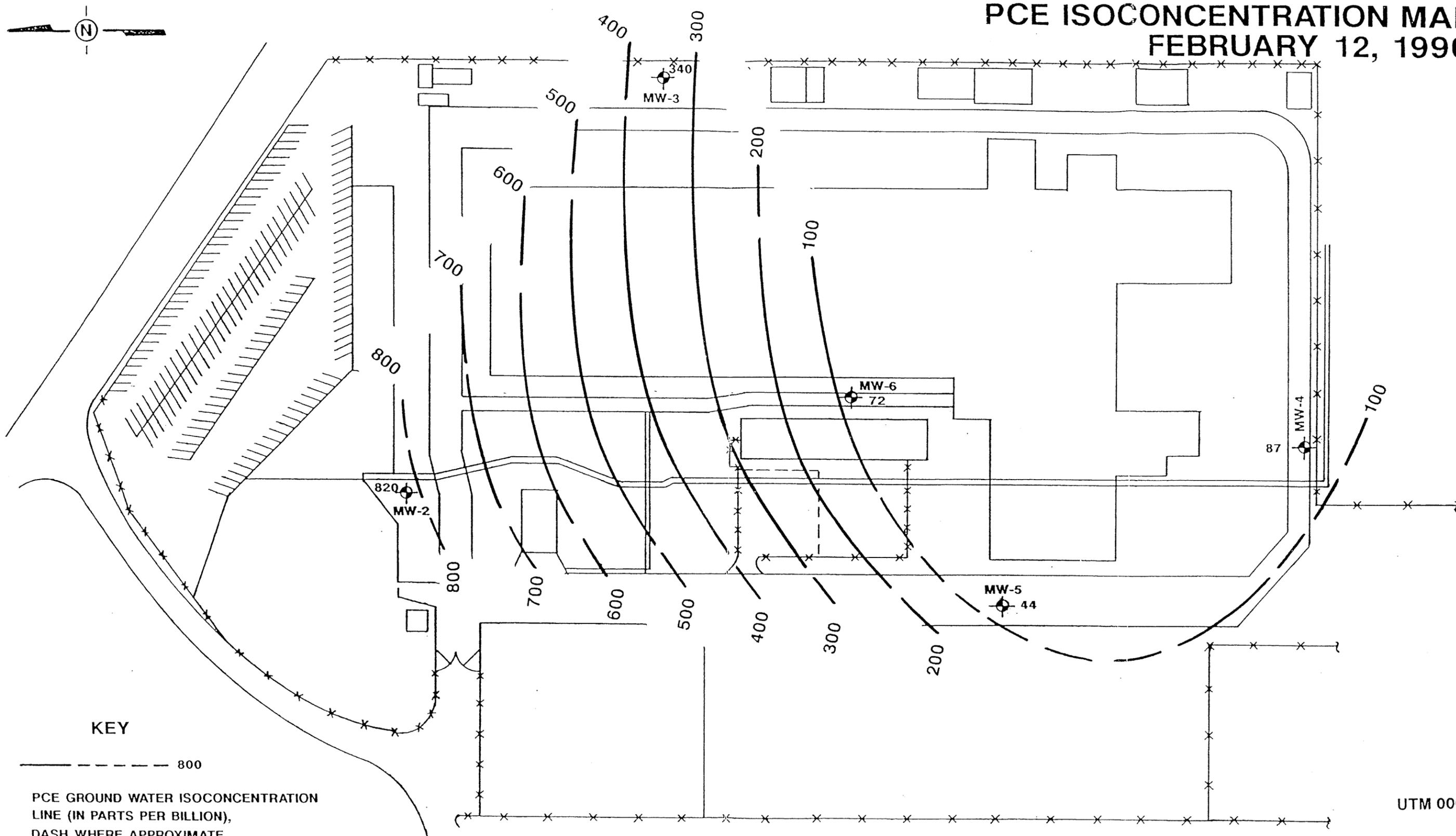


UTILITY TRAILER MANUFACTURING
1730 E. CHESTNUT STREET
CITY OF INDUSTRY, CALIFORNIA

Project No.: 1614-06

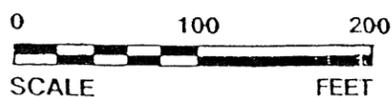
Figure No.: 5

PCE ISOCONCENTRATION MAP FEBRUARY 12, 1990



KEY

----- 800
 PCE GROUND WATER ISOCONCENTRATION
 LINE (IN PARTS PER BILLION),
 DASH WHERE APPROXIMATE.



UTM 000546

MARCH 90

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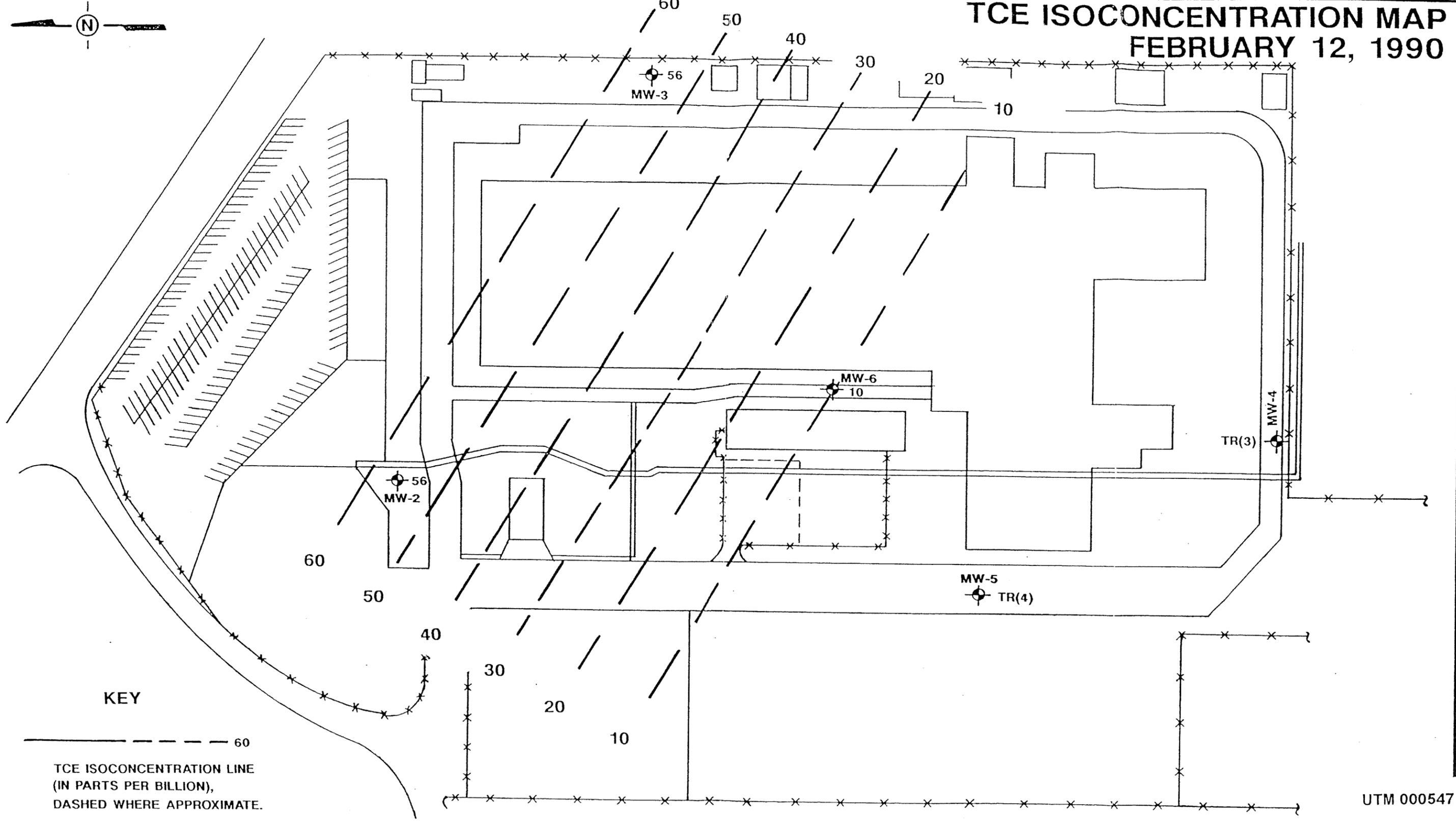


UTILITY TRAILER MANUFACTURING, CO
 1730 E. CHESTNUT STREET
 CITY OF INDUSTRY, CALIFORNIA

Project No.: 1614-06

Figure No.: 6

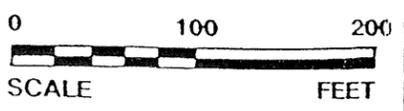
TCE ISOCONCENTRATION MAP FEBRUARY 12, 1990



KEY

----- 60
TCE ISOCONCENTRATION LINE
(IN PARTS PER BILLION),
DASHED WHERE APPROXIMATE.

TR TRACE DETECTED, ESTIMATED AMOUNT SHOWN.

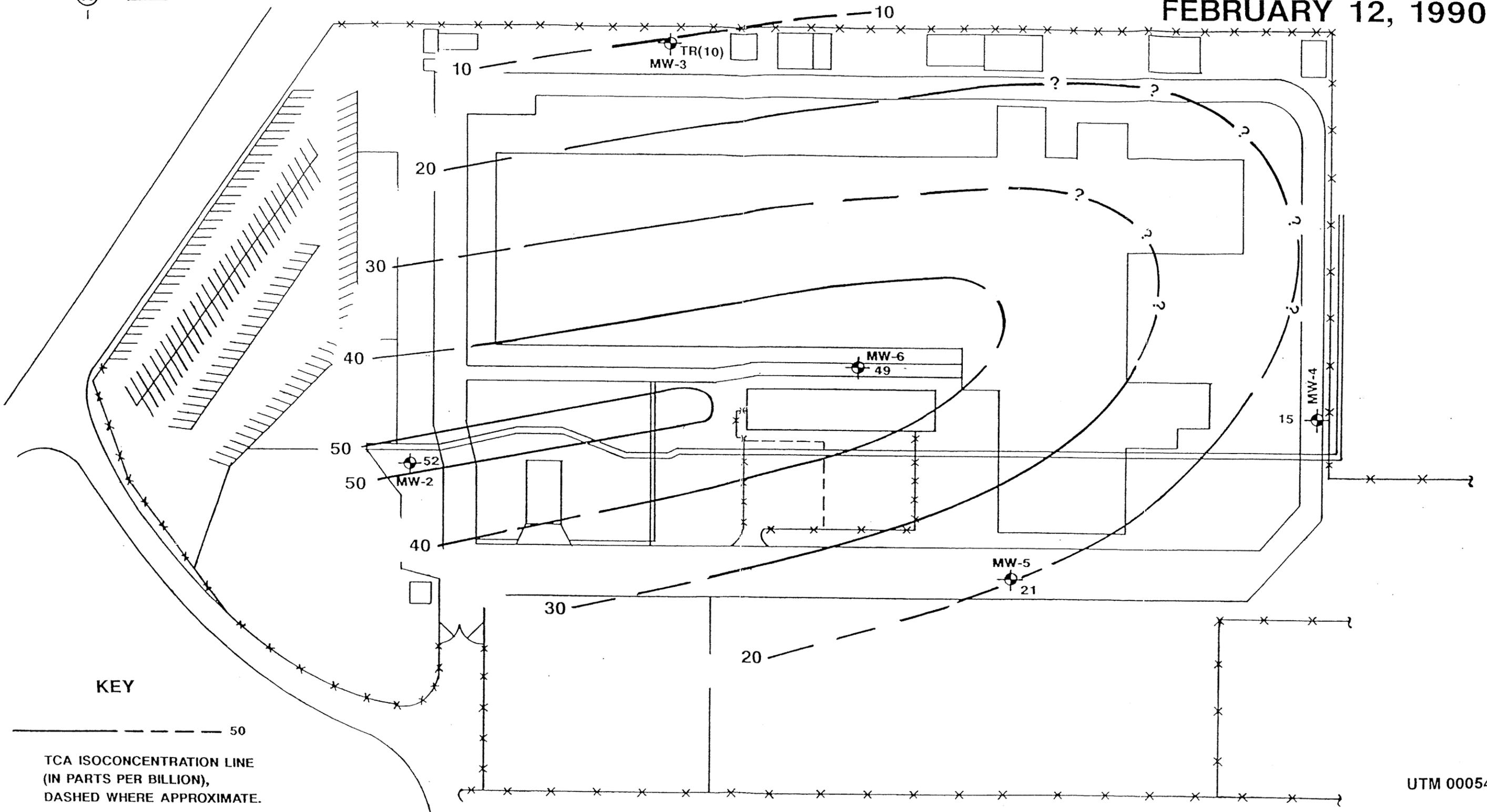
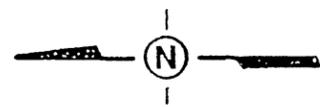


UTM 000547

MARCH 90

HYDRO-FLUENT, INC. <small>geology • engineering • environmental services</small>				UTILITY TRAILER MANUFACTURING, CO 1730 E. CHESTNUT STREET CITY OF INDUSTRY, CALIFORNIA	
Project No.: 1614-06		Figure No.: 7			

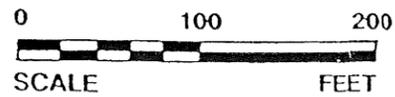
TCA ISOCONCENTRATION MAP FEBRUARY 12, 1990



KEY

----- 50
TCA ISOCONCENTRATION LINE
(IN PARTS PER BILLION),
DASHED WHERE APPROXIMATE.

TR TRACE DETECTED, ESTIMATED AMOUNT SHOWN.



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UTILITY TRAILER MANUFACTURING, CO
1730 E. CHESTNUT STREET
CITY OF INDUSTRY, CALIFORNIA

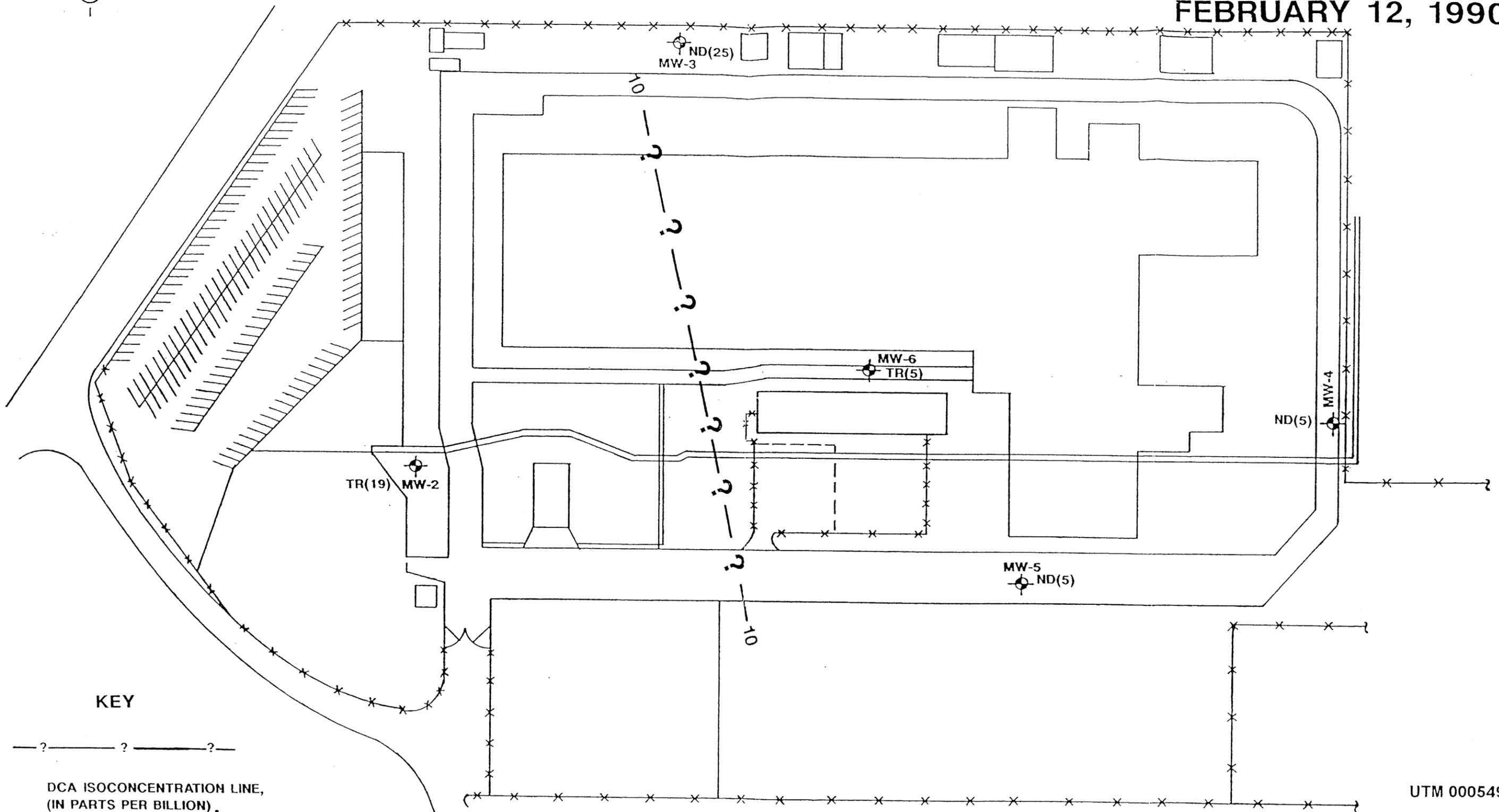
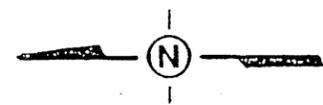
Project No.: 1614-06

Figure No.: 8

UTM 000548

MARCH 90

DCA ISOCONCENTRATION MAP FEBRUARY 12, 1990



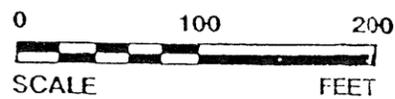
KEY

— ? — ? — ? —

DCA ISOCONCENTRATION LINE,
(IN PARTS PER BILLION),
QUERIED WHERE UNCERTAIN.

ND NONDETECTED, PRACTICAL QUANTIFICATION
LIMIT SHOWN.

TR TRACE DETECTED, ESTIMATED AMOUNT
SHOWN.



UTM 000549

MARCH 90

HYDRO-FLUENT, INC.

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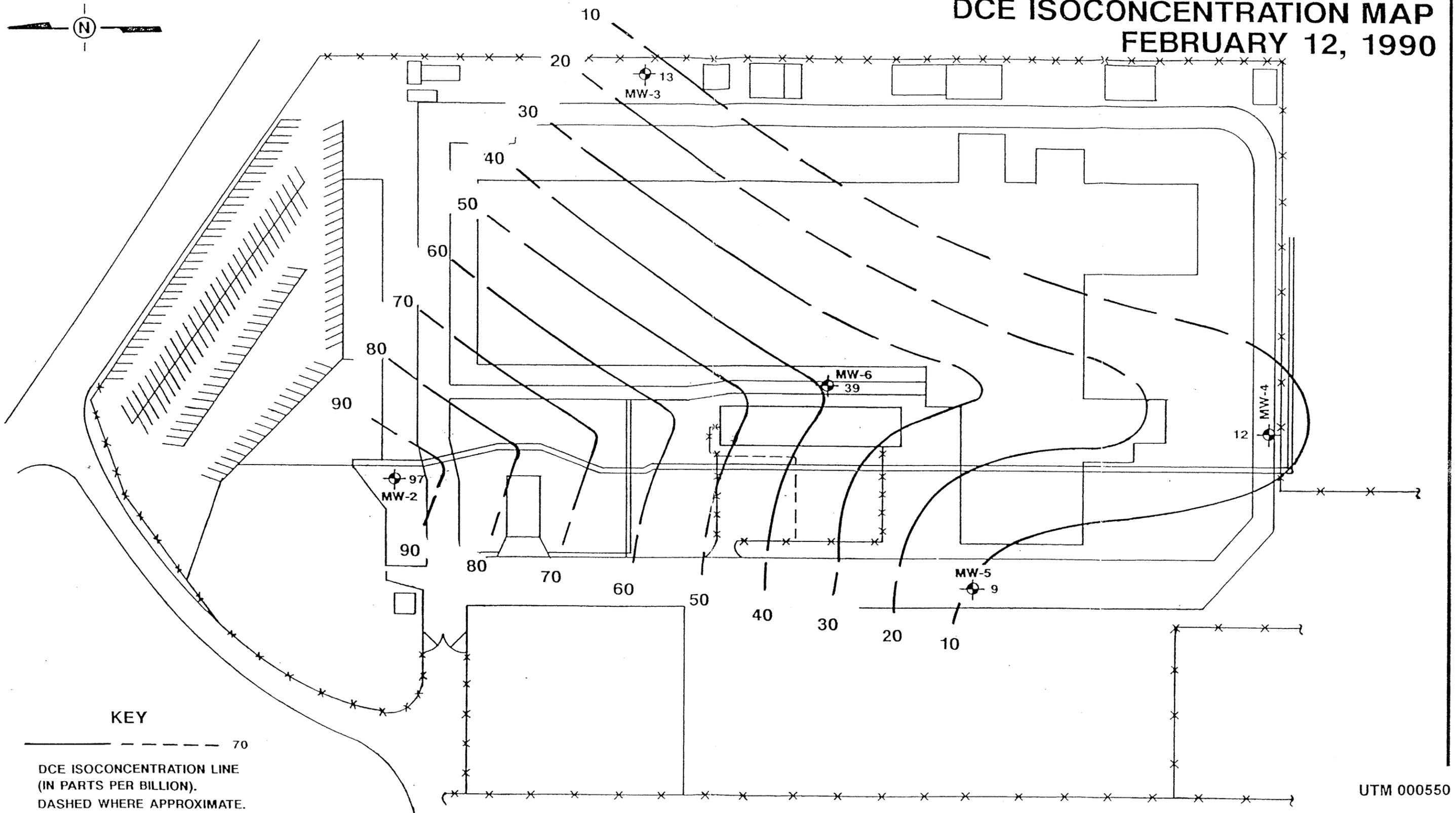
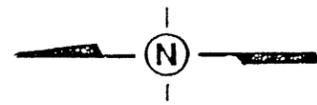


UTILITY TRAILER MANUFACTURING, CO
1730 E. CHESTNUT STREET
CITY OF INDUSTRY, CALIFORNIA

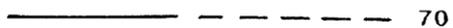
Project No.: 1614-06

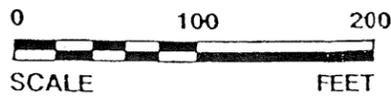
Figure No.: 9

DCE ISOCONCENTRATION MAP FEBRUARY 12, 1990



KEY

 70
 DCE ISOCONCENTRATION LINE
 (IN PARTS PER BILLION).
 DASHED WHERE APPROXIMATE.



UTM 000550

MARCH 90

HYDRO-FLUENT, INC.
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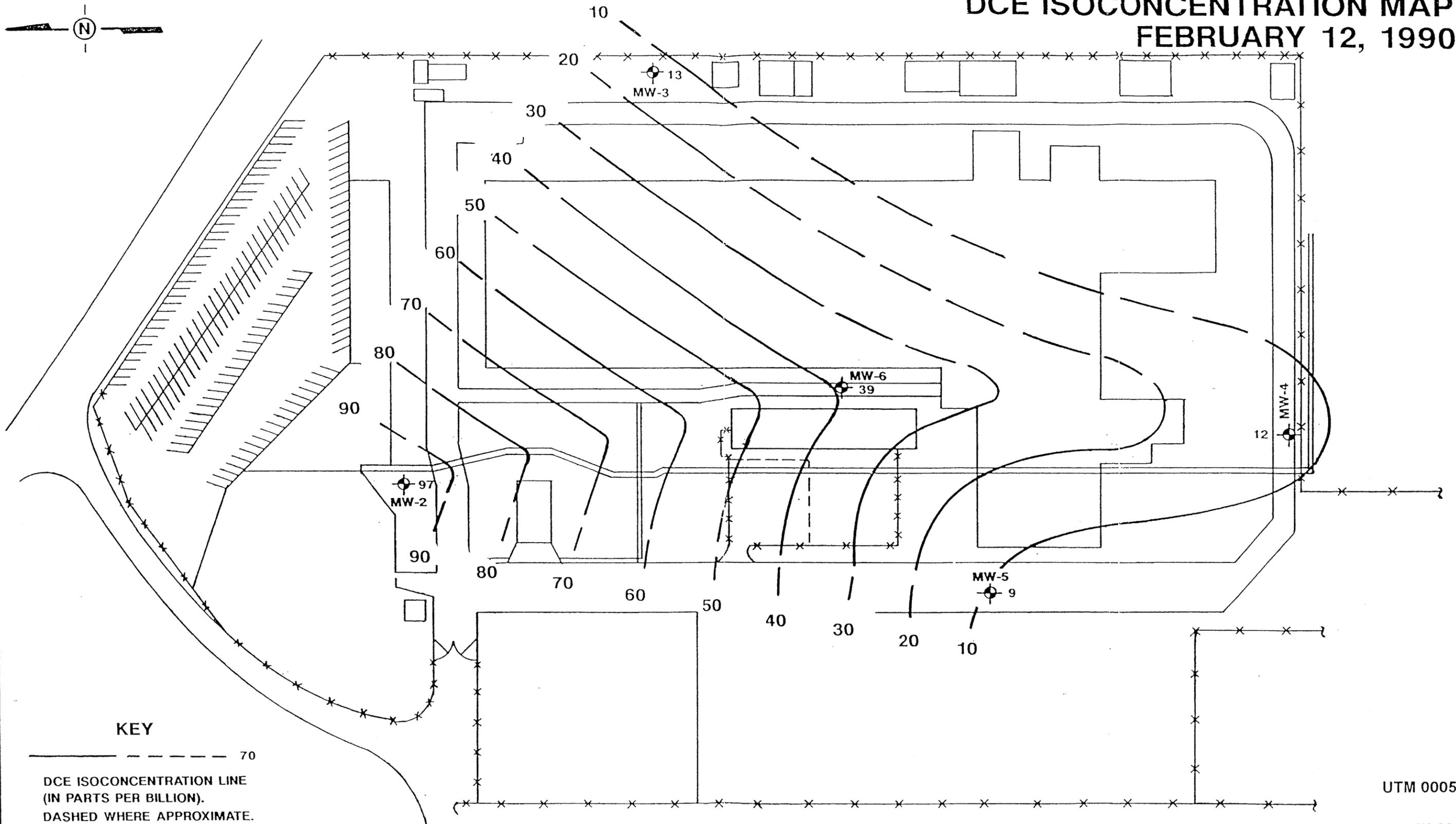


UTILITY TRAILER MANUFACTURING, CO
1730 E. CHESTNUT STREET
CITY OF INDUSTRY, CALIFORNIA

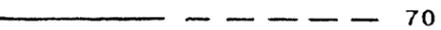
Project No.: 1614-06

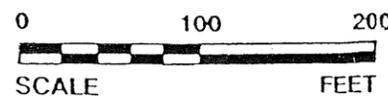
Figure No.: 10

DCE ISOCONCENTRATION MAP FEBRUARY 12, 1990



KEY

 70
 DCE ISOCONCENTRATION LINE
 (IN PARTS PER BILLION).
 DASHED WHERE APPROXIMATE.



UTM 000551
MARCH 90

HYDRO-FLUENT, INC. geology • engineering • environmental services	UTILITY TRAILER MANUFACTURING, CO 1730 E. CHESTNUT STREET CITY OF INDUSTRY, CALIFORNIA	
	Project No.: 1614-06	Figure No.: 10

APPENDIX A
CHAIN OF CUSTODY FORMS
AND
LABORATORY ANALYSES

UTM 000552

HYDRO-FLUENT, INC.

geology • engineering • environmental services

701 E. BALL ROAD, SUITE 105, ANAHEIM, CA. 92805 714-772-1220

12379

CHAIN OF CUSTODY FORM

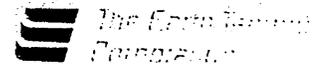
Sheet / Of /

Project No. 1614-06	Project Name UTILITY TRAILER	Samplers (Signatures) <i>Stan Peabon</i>					
Sampling Method Baier	Field Conditions cloudy & cool						
Date	Time	Station Number / Location	Sample Type	Sample Container	Type of Preservative	Analysis Required	
2-13-90	10:27 AM	MW-2	WATER	VOA	BLUE ICE	624	
2-13-90	11:26 AM	MW-3					
2-12-90	11:10 AM	MW-4					
2-12-90	10:03 AM	MW-5					
2-12-90	1:04 PM	MW-6				↓	
2-13-90	4:27 AM	MW-2				HOLD	
2-13-90	11:56 AM	MW-3					
2-12-90	11:10 AM 12:04 PM	MW-4					
2-12-90	10:03 AM	MW-5					
2-12-90	12:04 PM	MW-6					
2-12-90	11:20 AM	MW-7				624	
2-12-90	11:20 AM	MW-7				HOLD	
Comments RESULTS TO STAN PEABON							Total Number of Containers

Relinquished By: (Signature) <i>Stan Peabon</i>	Date 2-13-90	Time 2:12 PM	Received By: (Signature) <i>Stan Peabon</i>	Date	Time	Relinquished By: (Signature)	Date	Time	Received By: (Signature)
Relinquished By:	Date	Time	Received By: (Signature)	Date	Time	Relinquished By: (Signature)	Date	Time	Received By: (Signature)

UTM 000553

RECEIVED
MAR 01 1990
RECEIVED



Environmental Laboratories

LABORATORY REPORT

Report to: Hydro-Fluent, Inc.
701 East Ball Road
Suite 105
Anaheim, CA 92805

Project Name: Utility Trailer

Project No.: 1614-06

Laboratory No.: 02379

Report Date: 02-26-90

Analysis Request Date: 02-13-90

Attention: Stan Popelar

Sample Description: Six Water Samples

Testing Method: Volatile Organics Analysis/GC-MS; EPA Method 624

Results for the 624 analyses are given on the following summary sheet(s).


Manny Velazquez
Assistant Laboratory Manager


Val Mallari
Technical Director

UTM 000554

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET
EPA METHOD 624

CLIENT SAMPLE NO.

MW-2

Sample No.: 2379-001

Client: HYDRO FLUENT/1614-06

Data File: >2ATB2

Matrix: WATER

Sample wt/vol: 1 mL

Date Received: 02/13/90

Analyst: JANET

Date Analyzed: 02/20/90

Dilution Factor: 5

CAS NO.	COMPOUND	CONCENTRATION	
		UNITS:	Q
		ug/L	
74-87-3	Chloromethane	50.	U
74-83-9	Bromomethane	50.	U
75-01-4	Vinyl Chloride	50.	U
75-00-3	Chloroethane	50.	U
75-09-2	Methylene Chloride	25.	U
75-69-4	Trichlorofluoromethane	50.	U
67-64-1	Acetone	50.	U
75-15-0	Carbon Disulfide	25.	U
156-60-5	Trans-1,2-Dichloroethene	25.	U
75-35-4	1,1-Dichloroethene	25.	U
75-34-3	1,1-Dichloroethane	97.	@
67-66-3	Chloroform	19.	@T
107-02-2	1,2-Dichloroethane	25.	U
78-93-3	2-Butanone	25.	U
71-55-6	1,1,1-Trichloroethane	50.	U
56-23-5	Carbon Tetrachloride	52.	@
108-05-4	Vinyl Acetate	25.	U
75-27-4	Bromodichloromethane	50.	U
78-87-5	1,2-Dichloropropane	25.	U
10061-01-5	cis-1,3-Dichloropropene	25.	U
79-01-6	Trichloroethene	25.	U
124-48-1	Dibromochloromethane	56.	@
79-00-5	1,1,2-Trichloroethane	25.	U
71-43-2	Benzene	25.	U
10061-02-6	trans-1,3-Dichloropropene	25.	U
75-25-2	Bromoform	25.	U
108-10-1	4-Methyl-2-pentanone	25.	U
591-78-6	2-Hexanone	50.	U
127-18-4	Tetrachloroethene	50.	U
79-34-5	1,1,2,2-Tetrachloroethane	820.	@
108-88-3	Toluene	25.	U
108-90-7	Chlorobenzene	25.	U
100-41-4	Ethylbenzene	25.	U
100-42-5	Styrene	25.	U
133-02-7	Xylene (total)	25.	U

U = Compound undetected. Concentration listed is detection limit.
T = Trace. Amount shown is approximate and below quantification limit.
@ = Compound was found in sample.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET
EPA METHOD 624

CLIENT SAMPLE NO.

MW-3

Sample No.: 2379-002

Client: HYDRO FLUENT/1614-06

Data File: >2ATD5

Matrix: WATER

Sample wt/vol: 1 mL

Date Received: 02/13/90

Analyst: MANNY

Date Analyzed: 02/22/90

Dilution Factor: 5

CAS NO.	COMPOUND	CONCENTRATION	
		UNITS:	Q
		ug/L	
74-87-3	-----Chloromethane	50.	U
74-83-9	-----Bromomethane	50.	U
75-01-4	-----Vinyl Chloride	50.	U
75-00-3	-----Chloroethane	50.	U
75-09-2	-----Methylene Chloride	25.	U
75-69-4	-----Trichlorofluoromethane	50.	U
67-64-1	-----Acetone	50.	U
75-15-0	-----Carbon Disulfide	25.	U
156-60-5	-----Trans-1,2-Dichloroethene	25.	U
75-35-4	-----1,1-Dichloroethene	13.	@T
75-34-3	-----1,1-Dichloroethane	25.	U
67-66-3	-----Chloroform	25.	U
107-02-2	-----1,2-Dichloroethane	25.	U
78-93-3	-----2-Butanone	50.	U
71-55-6	-----1,1,1-Trichloroethane	10.	@T
56-23-5	-----Carbon Tetrachloride	25.	U
108-05-4	-----Vinyl Acetate	50.	U
75-27-4	-----Bromodichloromethane	25.	U
78-87-5	-----1,2-Dichloropropane	25.	U
10061-01-5	-----cis-1,3-Dichloropropene	25.	U
79-01-6	-----Trichloroethene	56.	@
124-48-1	-----Dibromochloromethane	25.	U
79-00-5	-----1,1,2-Trichloroethane	25.	U
71-43-2	-----Benzene	25.	U
10061-02-6	-----trans-1,3-Dichloropropene	25.	U
75-25-2	-----Bromoform	25.	U
108-10-1	-----4-Methyl-2-pentanone	50.	U
591-78-6	-----2-Hexanone	50.	U
127-18-4	-----Tetrachloroethene	340.	@
79-34-5	-----1,1,2,2-Tetrachloroethane	25.	U
108-88-3	-----Toluene	25.	U
108-90-7	-----Chlorobenzene	25.	U
100-41-4	-----Ethylbenzene	25.	U
100-42-5	-----Styrene	25.	U
133-02-7	-----Xylene (total)	25.	U

U = Compound undetected. Concentration listed is detection limit.
T = Trace. Amount shown is approximate and below quantification limit.
@ = Compound was found in sample.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET
EPA METHOD 624

CLIENT SAMPLE NO.

MW-4

Sample No.: 2379-003

Client: HYDRO FLUENT/1614-06

Data File: >2ATC6

Matrix: WATER

Sample wt/vol: 5 mL

Date Received: 02/13/90

Analyst: JANET

Date Analyzed: 02/21/90

Dilution Factor: 1.00000

CAS NO.	COMPOUND	CONCENTRATION	
		UNITS:	Q
		ug/L	
74-87-3	-----Chloromethane	10.	U
74-83-9	-----Bromomethane	10.	U
75-01-4	-----Vinyl Chloride	10.	U
75-00-3	-----Chloroethane	10.	U
75-09-2	-----Methylene Chloride	5.	U
75-69-4	-----Trichlorofluoromethane	10.	U
67-64-1	-----Acetone	10.	U
75-15-0	-----Carbon Disulfide	5.	U
156-60-5	-----Trans-1,2-Dichloroethene	5.	U
75-35-4	-----1,1-Dichloroethene	12.	@
75-34-3	-----1,1-Dichloroethane	5.	U
67-66-3	-----Chloroform	5.	U
107-02-2	-----1,2-Dichloroethane	5.	U
78-93-3	-----2-Butanone	10.	U
71-55-6	-----1,1,1-Trichloroethane	15.	@
56-23-5	-----Carbon Tetrachloride	5.	U
108-05-4	-----Vinyl Acetate	10.	U
75-27-4	-----Bromodichloromethane	5.	U
78-87-5	-----1,2-Dichloropropane	5.	U
10061-01-5	-----cis-1,3-Dichloropropene	5.	U
79-01-6	-----Trichloroethene	3.	@T
124-48-1	-----Dibromochloromethane	5.	U
79-00-5	-----1,1,2-Trichloroethane	5.	U
71-43-2	-----Benzene	5.	U
10061-02-6	-----trans-1,3-Dichloropropene	5.	U
75-25-2	-----Bromoform	5.	U
108-10-1	-----4-Methyl-2-pentanone	10.	U
591-78-6	-----2-Hexanone	10.	U
127-18-4	-----Tetrachloroethene	87.	@
79-34-5	-----1,1,2,2-Tetrachloroethane	5.	U
108-88-3	-----Toluene	5.	U
108-90-7	-----Chlorobenzene	5.	U
100-41-4	-----Ethylbenzene	5.	U
100-42-5	-----Styrene	5.	U
133-02-7	-----Xylene (total)	5.	U

U = Compound undetected. Concentration listed is detection limit.
T = Trace. Amount shown is approximate and below quantification limit.
@ = Compound was found in sample.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET
EPA METHOD 624

CLIENT SAMPLE NO.

MW-5

Lab Sample No.: 2379-004

Client: HYDRO FLUENT/1614-06

Data File: >2ATC7

Matrix: WATER

Sample wt/vol: 5 mL

Date Received: 02/13/90

Analyst: JANET

Date Analyzed: 02/21/90

Dilution Factor: 1.00000

CAS NO.	COMPOUND	CONCENTRATION	
		UNITS:	Q
		ug/L	
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
75-69-4	Trichlorofluoromethane	10.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	5.	U
156-60-5	Trans-1,2-Dichloroethene	5.	U
75-35-4	1,1-Dichloroethene	9.	@
75-34-3	1,1-Dichloroethane	5.	U
67-66-3	Chloroform	5.	U
107-02-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	21.	@
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	4.	@T
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	44.	@
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
133-02-7	Xylene (total)	5.	U

U = Compound undetected. Concentration listed is detection limit.
T = Trace. Amount shown is approximate and below quantification limit.
@ = Compound was found in sample.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET
EPA METHOD 624

CLIENT SAMPLE NO.

MW-6

Lab Sample No.: 2379-005

Client: HYDRO FLUENT/1614-06

Data File: >2ATC8

Matrix: WATER

Sample wt/vol: 5 mL

Date Received: 02/13/90

Analyst: JANET

Date Analyzed: 02/21/90

Dilution Factor: 1.00000

CAS NO.	COMPOUND	CONCENTRATION	
		UNITS:	Q
		ug/L	
74-87-3	-----Chloromethane	10.	U
74-83-9	-----Bromomethane	10.	U
75-01-4	-----Vinyl Chloride	10.	U
75-00-3	-----Chloroethane	10.	U
75-09-2	-----Methylene Chloride	5.	U
75-69-4	-----Trichlorofluoromethane	10.	U
67-64-1	-----Acetone	10.	U
75-15-0	-----Carbon Disulfide	5.	U
156-60-5	-----Trans-1,2-Dichloroethene	5.	U
75-35-4	-----1,1-Dichloroethene	39.	@
75-34-3	-----1,1-Dichloroethane	5.	@T
67-66-3	-----Chloroform	5.	U
107-02-2	-----1,2-Dichloroethane	5.	U
78-93-3	-----2-Butanone	10.	U
71-55-6	-----1,1,1-Trichloroethane	49.	@
56-23-5	-----Carbon Tetrachloride	5.	U
108-05-4	-----Vinyl Acetate	10.	U
75-27-4	-----Bromodichloromethane	5.	U
78-87-5	-----1,2-Dichloropropane	5.	U
10061-01-5	-----cis-1,3-Dichloropropene	5.	U
79-01-6	-----Trichloroethene	10.	@
124-48-1	-----Dibromochloromethane	5.	U
79-00-5	-----1,1,2-Trichloroethane	5.	U
71-43-2	-----Benzene	5.	U
10061-02-6	-----trans-1,3-Dichloropropene	5.	U
75-25-2	-----Bromoform	5.	U
108-10-1	-----4-Methyl-2-pentanone	10.	U
591-78-6	-----2-Hexanone	10.	U
127-18-4	-----Tetrachloroethene	72.	@
79-34-5	-----1,1,2,2-Tetrachloroethane	5.	U
108-88-3	-----Toluene	5.	U
108-90-7	-----Chlorobenzene	5.	U
100-41-4	-----Ethylbenzene	5.	U
100-42-5	-----Styrene	5.	U
133-02-7	-----Xylene (total)	5.	U

U = Compound undetected. Concentration listed is detection limit.
T = Trace. Amount shown is approximate and below quantification limit.
@ = Compound was found in sample.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET
EPA METHOD 624

CLIENT SAMPLE NO.

MW-7

Lab Sample No.: 2379-006

Client: HYDRO FLUENT/1614-06

Data File: >2ATC9

Matrix: WATER

Sample wt/vol: 5 mL

Date Received: 02/13/90

Analyst: JANET

Date Analyzed: 02/21/90

Dilution Factor: 1.00000

CAS NO.	COMPOUND	CONCENTRATION	
		UNITS:	Q
		ug/L	
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
75-69-4	Trichlorofluoromethane	10.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	5.	U
156-60-5	Trans-1,2-Dichloroethene	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
67-66-3	Chloroform	5.	U
107-02-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
133-02-7	Xylene (total)	5.	U

U = Compound undetected. Concentration listed is detection limit.
T = Trace. Amount shown is approximate and below quantification limit.
@ = Compound was found in sample.

APPENDIX B
UNIFORM HAZARDOUS WASTE MANIFEST
89712779

UTM 000561

1122
 CASE NO. 101 EM
 FACILITY
 TRANSPORTER
 THE JNAL ONSL TER 4241 WITH LIFOI SALE 862

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA1099073923212779		Manifest Document No. 8971279		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address UTILITY TRAKER 17300 E. CHESTNUT ST. CITY OF INDUSTRY CA. 9179A				A. State Manifest Document Number 8971279		B. State Generator's ID HGH031610150156		C. State Transporter's ID 00226	
4. Generator's Phone (818) 965-1541				D. State Transporter's Phone 714-998-6832		E. State Facility's ID 00226		F. Facility's Phone 805-397-079	
5. Transporter 1 Company Name NIETO AND SONS TRUCKING		6. US EPA ID Number CA080016116		7. Transporter 2 Company Name		8. US EPA ID Number		9. Designated Facility Name and Site Address GIBSON OIL REFINERY COMMERCIAL DRIVE BAKERSFIELD CA 93308	
10. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) CALIFORNIA REGULATED WASTE ONLY		11. US DOT Quantity 0 10 11 T T		12. Container Type T T		13. Total Quantity 1600 G		14. Waste No. EXEMPT	
15. Special Handling Instructions and Additional Information DEMMONO: KARDOON CAD080013352 PETROLEUM RECYCLERS INC. CAT080011059 2000 N. ALAMEDA 213-537-7100 1835 E. 29th STREET 213-595-6597 COMPTON, CA 90222 SIGNAL HILL, CA 90806				16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.		17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name: RONNIE RODRIGUEZ Signature: <i>[Signature]</i> Month Day Year: 013109910		18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name: _____ Signature: _____ Month Day Year: _____	
19. Discrepancy Indication Space				20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name: _____ Signature: _____ Month Day Year: _____		21. Additional Descriptions for Materials Listed Above HYDROCARBONS 55 8 WATER 99 8 SOLIDS 1 8		22. Handling Codes for Wastes Listed Above	

DHS 8022 A (1/88)
 EPA 8700-22
 (Rev. 9-88) Previous editions are obsolete.

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While TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
 To: P.O. Box 3000, Sacramento, CA 95812

UTM 000562

REFERENCES

REFERENCES

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