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QUARTERLY GROUNDWATER MONITORING REPORT

GATE CITY TRUCK REPAIR PROPERTY
6301 BURNT POPLAR ROAD
GREENSBORO, NORTH CAROLINA

Groundwater Incident #10077
Sampling Period: February-May, 1997

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July 14, 1997

PYRAMID ENVIRONMENTAL
2706 PINEDALE ROAD
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1.0 INTRODUCTION

On January 25-26, 1993, three underground storage tanks (UST's) were removed from the Gate City Truck Repair property, located at 6301 Burnt Poplar Road in Greensboro, North Carolina (Figure 1). The UST's consisted of one 10,000-gallon diesel UST, one 500-gallon gasoline UST and one 500-gallon waste-oil UST. Analysis of soil samples in the vicinity of the gasoline and diesel UST's showed total petroleum hydrocarbon (TPH) concentrations as high as 46 ppm (parts per million) by EPA Method 5030 and 240 ppm by Method 3550. These concentrations were above the final clean-up levels, according to NCDEHNR (North Carolina Department of Environment, Health, and Natural Resources) guidelines. Analysis of soil samples taken beneath the waste-oil UST was below state action levels by EPA Method 9071.

A Comprehensive Site Assessment (CSA), dated March 8, 1994, was submitted by Shield Environmental, Inc. for the site. Addenda to the CSA were submitted in reports dated August 29, 1994, by Triangle Environmental, Inc., and June 19, 1995 by Pyramid Environmental, Inc.. Soil investigations determined the extent of the affected soil TPH above 10 ppm by Method 5030 to be approximately 150-200 ft^2, and the extent of soil above 40 ppm by Method 3550 to be approximately 450-500 ft^2.

Samples of groundwater from several monitoring wells on the property showed concentrations of BTEX (benzene, toluene, ethylbenzene, and xylenes) as high as 4636 ppb (parts per billion) by EPA method 602, and low levels of several other hydrocarbon compounds. The hydrocarbon plume extends over an area of approximately 16,000 ft^2. No free product has been observed in any of the wells. Pyramid Environmental proposed a Corrective Action Plan (CAP) for the site which involved excavation and off-site disposal of petroleum-contaminated soil and natural (passive) remediation of the groundwater for the site.

On June 20, 1996, approximately 350 tons of soil were excavated from the former 500-gallon gasoline UST and 10,000-gallon diesel UST locations. Soil was excavated to limits; these limits were established by previous soil sampling results and by on-site observations of the soil during this excavation. Soil samples were taken and sent to a North Carolina certified laboratory to document the success of the excavation.

At the time of the excavation, a fuel oil UST was discovered on the southwest corner of the Gate City Truck Repair Building (Figure 2). This tank was not in use and was removed following NCDEHNR regulations regarding the removal of UST's. The closure assessment performed on this tank is documented in a separate report dated July 22, 1996.

Part of the Corrective Action Plan (CAP) submitted by Pyramid Environmental June 24, 1996 described quarterly sampling of the monitoring wells on the Gate City Truck Repair site. This report summarizes the most recent results of groundwater quarterly monitoring for the monitoring wells on the site. Past monitoring results are included in Table II.

2.0 DISCUSSION OF GROUNDWATER SAMPLING

2.1 Sampling Proceedures

On April 15, 1997, Pyramid Environmental sampled monitoring wells MW-2, MW-3, MW-4, MW-6, MW-7, and VEW-1 on the Gate City Truck Repair property (Figures 1 & 2). Monitoring well MW-1 could not be located and access to MW-8 was blocked by a tractor trailer parked over-top of it. Prior to sampling, each well was developed according to state guidelines by purging a minimum of three well-volumes of water or purging the well dry.

For each monitoring well, three 40-ml VOA (Volatile Organic Analysis) vials with hydrochloric acid (HCl) preservative, one 500-ml container preserved with nitric acid (HNO_3) preservative, and one liter jar (unpreserved) were filled. The following decontamination procedures were followed while purging the wells and collecting the water samples:

Decontamination Procedures

1) A new, clean disposable plastic bailer and clean string were used for purging and sampling each well.
2) The sampling pump used to sample VEW-1 was completely cleaned with alclonox (laboratory grade detergent) and rinsed with distilled water prior to use.
3) New, sterile latex gloves were worn by the sampler while purging and sampling each well.
4) The samples were collected into clean, laboratory supplied sampling jars and sealed with air-tight lids.

Immediately after collection, the samples were placed in a cooler maintained at a temperature of approximately 4 Celsius for transport to a North Carolina-certified laboratory. Well Sampling Forms are included in Appendix 1.

The groundwater samples were transported to a North Carolina-certified laboratory for analysis by EPA Methods 601, 602 + Xylenes, EPA Method 610 by 625, and Method 3030-C (Lead). The results from this and all previous sampling events are summarized in Table I. A copy of the chain-of-custody and the laboratory analytical results are included in Appendix II.

2.2 Summary of Analytical Results

See Table I for the results of the groundwater monitoring well sampling on April 15, 1997 at Gate City Truck Repair. Table II shows the previous results of groundwater sampling for the site.

MW-2 contains levels of Benzene, Xylenes, Naphthalene, and Lead above the state standards for each. MW-7 contains a Benzene level above the state standard. All other wells were below detectable levels for target parameters or contained levels which are below North Carolina state standards.

Graph I shows the concentrations of BTEX in monitoring well MW-2 in relation to time. The graph shows the BTEX concentrations to have decreased since the initial sampling event. Graph II shows the individual parameters detected by Methods 601 and 625 which are above state standards. The parameters' concentrations are graphed in relation to time to show an increase in the concentration of 1,2-Dichlorobenzene and a decrease in Phenol since the initial sampling event. The concentrations of Naphthalene have remained relatively steady since May, 1996. Analysis by Method 625 was not performed for MW-2 during the June 1, 1993 sampling event.

2.3 Descripion of Current Plume

The results of the recent groundwater sampling (4/15/97) do not indicate any significant change in the size of the plume or the concentrations of contaminants. The highest concentrations are in MW-2, where benzene and naphthalene are down slightly, and xylenes and 1,2-dichloroethane are up slightly from the previous (10/29/96) sampling (Graphs 1 and 2). The results from the past four sampling events show a significant overall decrease in total BTEX, which appears to be becoming asymptotic at the current levels (Graphs 1).

3.0 CONCLUSIONS

See Table I for the results of the groundwater monitoring well sampling on April 15, 1997 at Gate City Truck Repair. Table II shows the previous results of groundwater sampling for the site. MW-2 contains levels of Benzene, Xylenes, Naphthalene, and Lead above the state standards for each. MW-7 contains a Benzene level above the state standard. All other wells sampled were below detectable levels for target parameters or contained levels which are below North Carolina state standards. The recent results indicate total BTEX concentration of 2293.9 ppb, which is not a significant change from the previous sampling in October, 1996, when the BTEX concentration was 2235 ppb. These concentrations do indicate a significant decrease from the historical high of 4636 ppb in June, 1993.

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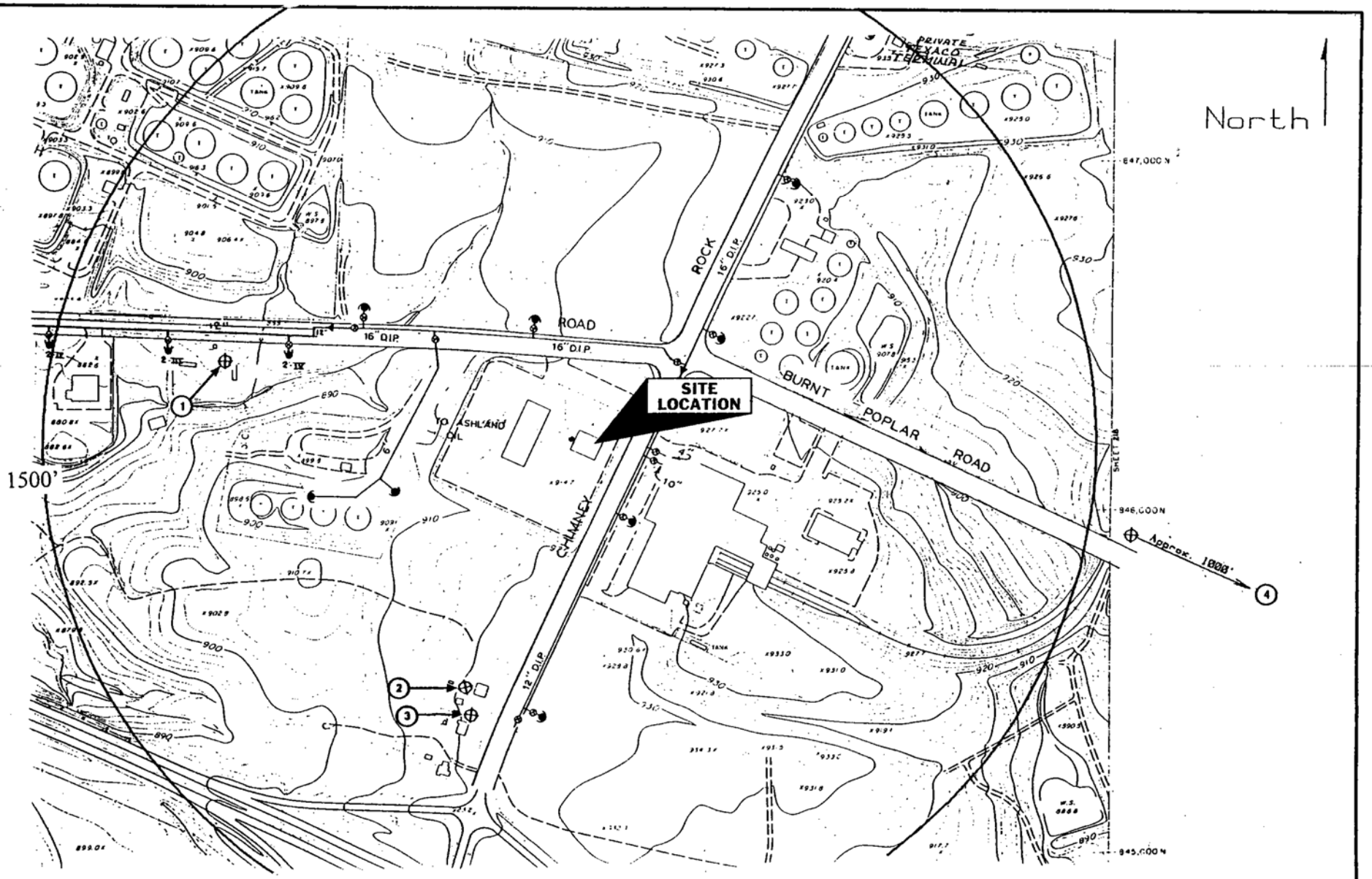
FIGURES



Scale: 1" = 400'

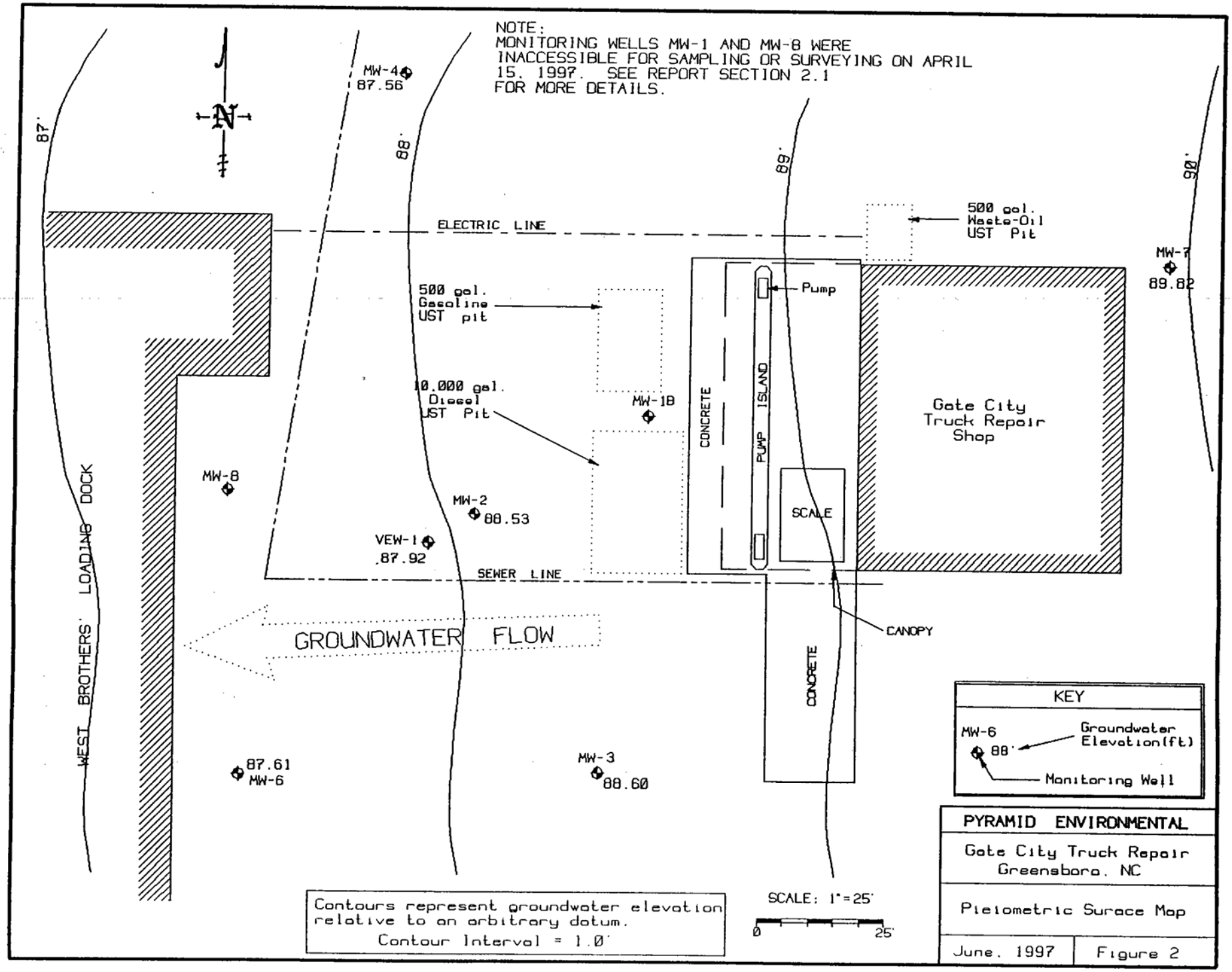
Guilford County Utility/
Topographic Map

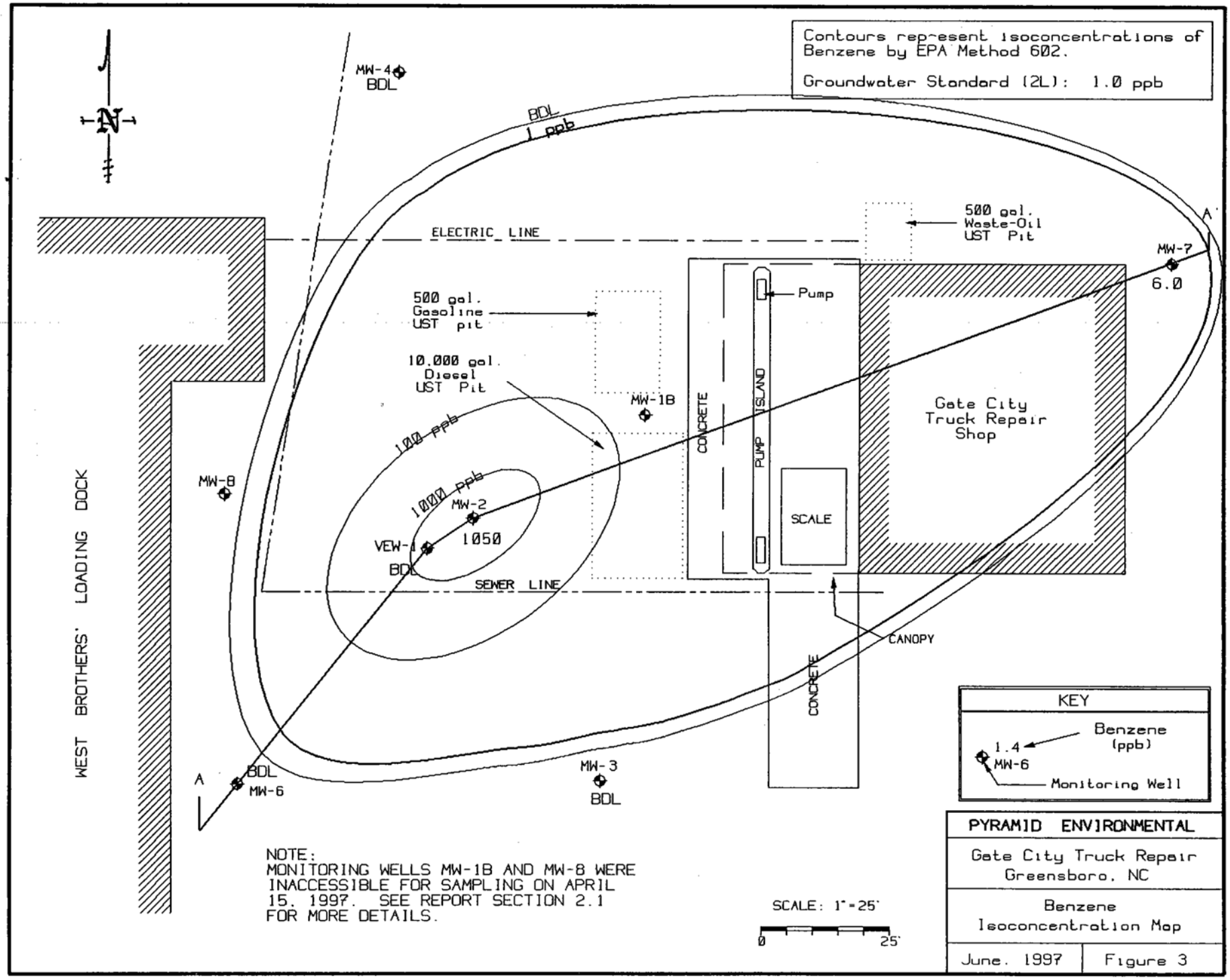
Legend

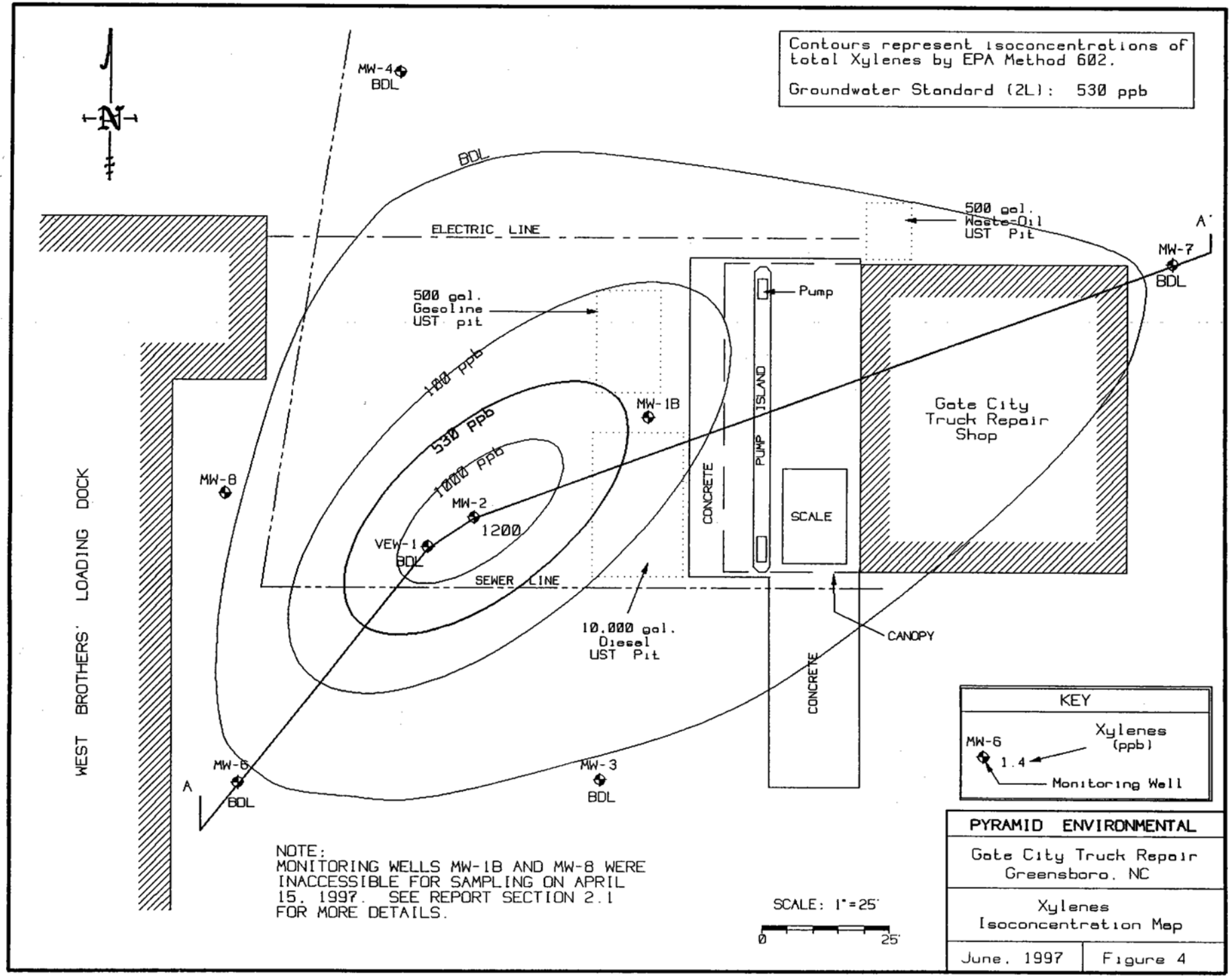
⊕ - Water Supply Well Location

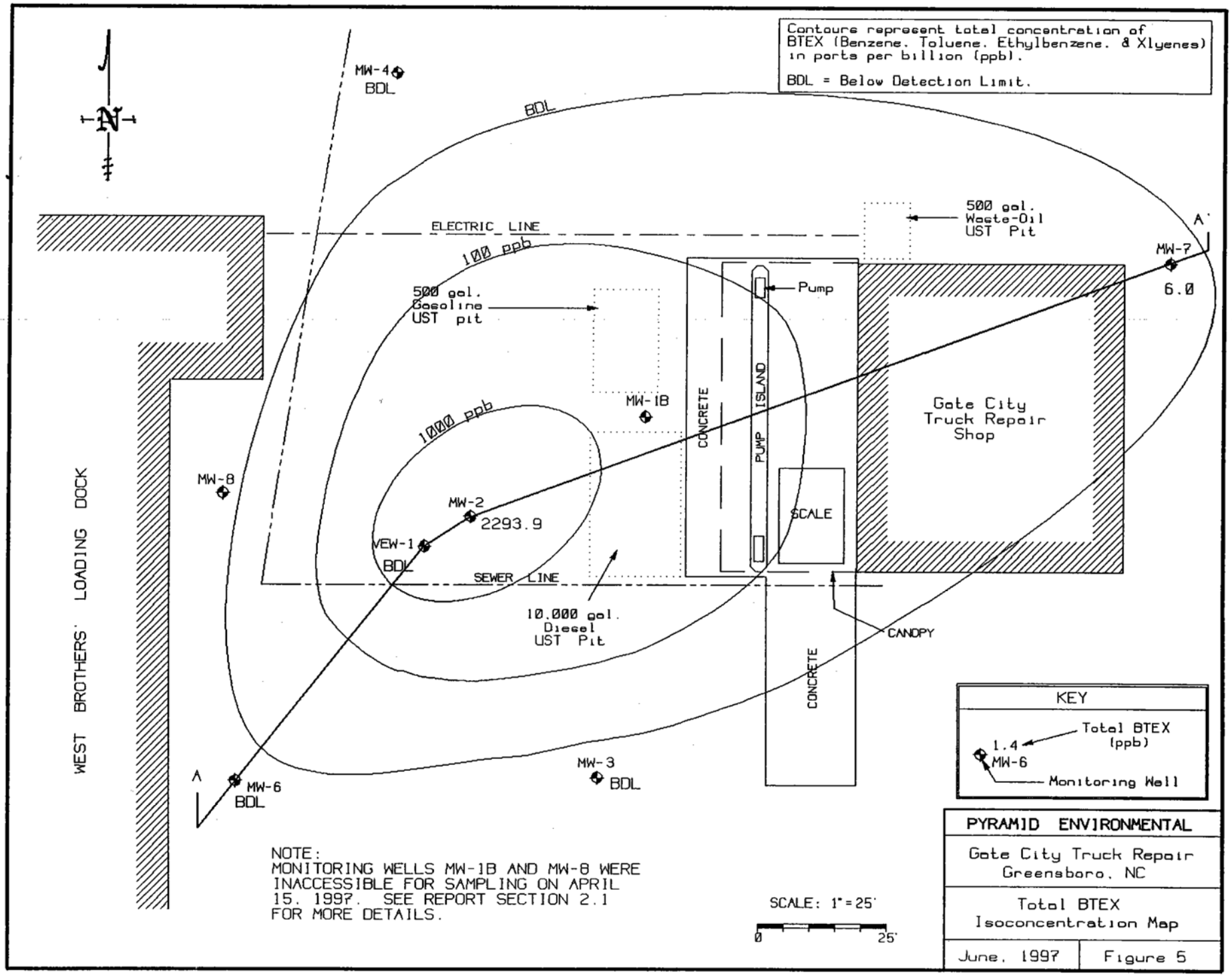
① Numbers refer to Table V in report

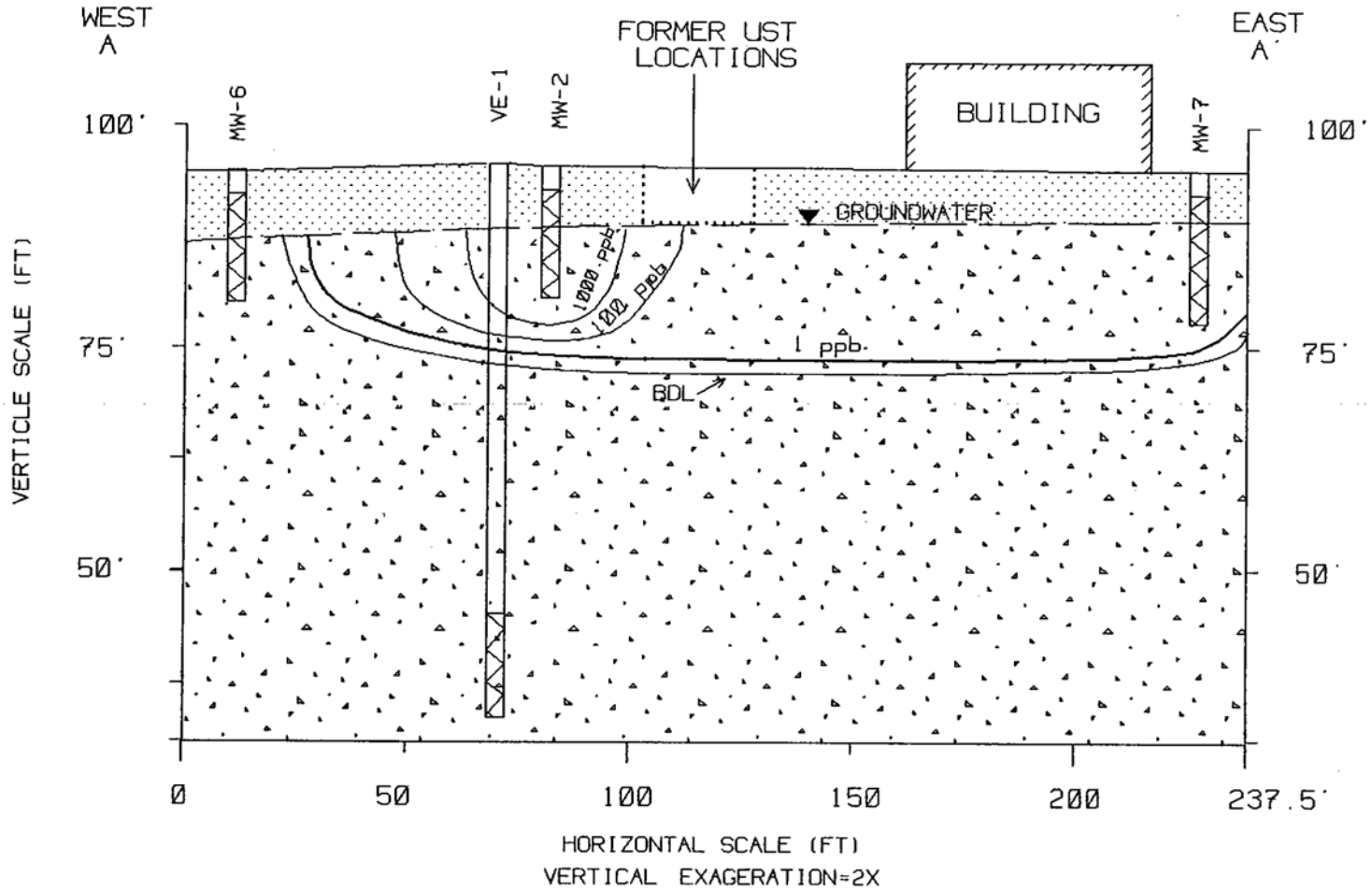
PYRAMID ENVIRONMENTAL	
GATE CITY TRUCK REPAIR GREENSBORO, NC	
Site Location & Potential Receptor Map	
June 1997	Figure 1


NOTE:
MONITORING WELLS MW-1 AND MW-8 WERE INACCESSIBLE FOR SAMPLING OR SURVEYING ON APRIL 15, 1997. SEE REPORT SECTION 2.1 FOR MORE DETAILS.
N
87'
88'
89'
90'
MW-4
87.56
ELECTRIC LINE
500 gal. Waste-Oil UST Pit
MW-7
89.82
500 gal. Gasoline UST pit
Pump
10,000 gal. Diesel UST Pit
MW-1B
CONCRETE
PUMP ISLAND
Gate City Truck Repair Shop
MW-8
MW-2
88.53
SCALE
VEW-1
87.92
SEWER LINE
CANOPY
GROUNDWATER FLOW
WEST BROTHERS' LOADING DOCK
CONCRETE
87.61
MW-6
MW-3
88.60
KEY
MW-6
88'
Groundwater Elevation(ft)
Monitoring Well
Contours represent groundwater elevation relative to an arbitrary datum.
Contour Interval = 1.0'
SCALE: 1"=25'
0
25'
PYRAMID ENVIRONMENTAL
Gate City Truck Repair
Greensboro, NC
Pielometric Surace Map
June, 1997
Figure 2


Contours represent isoconcentrations of Benzene by EPA Method 602.
Groundwater Standard (2L): 1.0 ppb
N
MW-4
BDL
BDL
1 ppb
ELECTRIC LINE
500 gal.
Waste-Oil
UST Pit
A'
MW-7
6.0
Pump
500 gal.
Gasoline
UST pit
10,000 gal.
Diesel
UST Pit
MW-1B
CONCRETE
PUMP ISLAND
Gate City
Truck Repair
Shop
100 ppb
1000 ppb
MW-8
MW-2
1050
VEW-1
BDL
SCALE
SEWER LINE
CANOPY
CONCRETE
WEST BROTHERS' LOADING DOCK
A
BDL
MW-6
MW-3
BDL
KEY
1.4
MW-6
Benzene
(ppb)
Monitoring Well
NOTE:
MONITORING WELLS MW-1B AND MW-8 WERE INACCESSIBLE FOR SAMPLING ON APRIL 15, 1997. SEE REPORT SECTION 2.1 FOR MORE DETAILS.
SCALE: 1"=25'
0
25'
PYRAMID ENVIRONMENTAL
Gate City Truck Repair
Greensboro, NC
Benzene
Isoconcentration Map
June, 1997
Figure 3


Contours represent isoconcentrations of total Xylenes by EPA Method 602.
Groundwater Standard (2L): 530 ppb
N
MW-4
BDL
BDL
ELECTRIC LINE
500 gal. Waste-Oil UST Pit
A'
MW-7
BDL
500 gal. Gasoline UST pit
Pump
180 ppb
530 ppb
1000 ppb
MW-1B
ISLAND
PUMP
CONCRETE
SCALE
Gate City Truck Repair Shop
MW-8
MW-2
1200
VEW-1
BDL
SEWER LINE
10,000 gal. Diesel UST Pit
CANOPY
CONCRETE
WEST BROTHERS' LOADING DOCK
MW-6
BDL
A
MW-3
BDL
KEY
MW-6
1.4
Xylenes (ppb)
Monitoring Well
NOTE:
MONITORING WELLS MW-1B AND MW-8 WERE INACCESSIBLE FOR SAMPLING ON APRIL 15, 1997. SEE REPORT SECTION 2.1 FOR MORE DETAILS.
SCALE: 1"=25'
0
25'
PYRAMID ENVIRONMENTAL
Gate City Truck Repair
Greensboro, NC
Xylenes
Isoconcentration Map
June, 1997
Figure 4


Contours represent total concentration of BTEX (Benzene, Toluene, Ethylbenzene, & Xlyenes) in parts per billion (ppb).
BDL = Below Detection Limit.
N
MW-4
BDL
BDL
ELECTRIC LINE
100 ppb
500 gal. Waste-Oil UST Pit
A'
MW-7
6.0
500 gal. Gasoline UST pit
Pump
MW-1B
1000 ppb
CONCRETE
PUMP ISLAND
Gate City Truck Repair Shop
MW-8
MW-2
2293.9
SCALE
VEW-1
BDL
SEWER LINE
10,000 gal. Diesel UST Pit
CANOPY
CONCRETE
WEST BROTHERS' LOADING DOCK
A
MW-6
BDL
MW-3
BDL
KEY
1.4
MW-6
Total BTEX (ppb)
Monitoring Well
NOTE:
MONITORING WELLS MW-1B AND MW-8 WERE INACCESSIBLE FOR SAMPLING ON APRIL 15, 1997. SEE REPORT SECTION 2.1 FOR MORE DETAILS.
SCALE: 1" = 25'
0
25'
PYRAMID ENVIRONMENTAL
Gate City Truck Repair
Greensboro, NC
Total BTEX
Isoconcentration Map
June, 1997
Figure 5



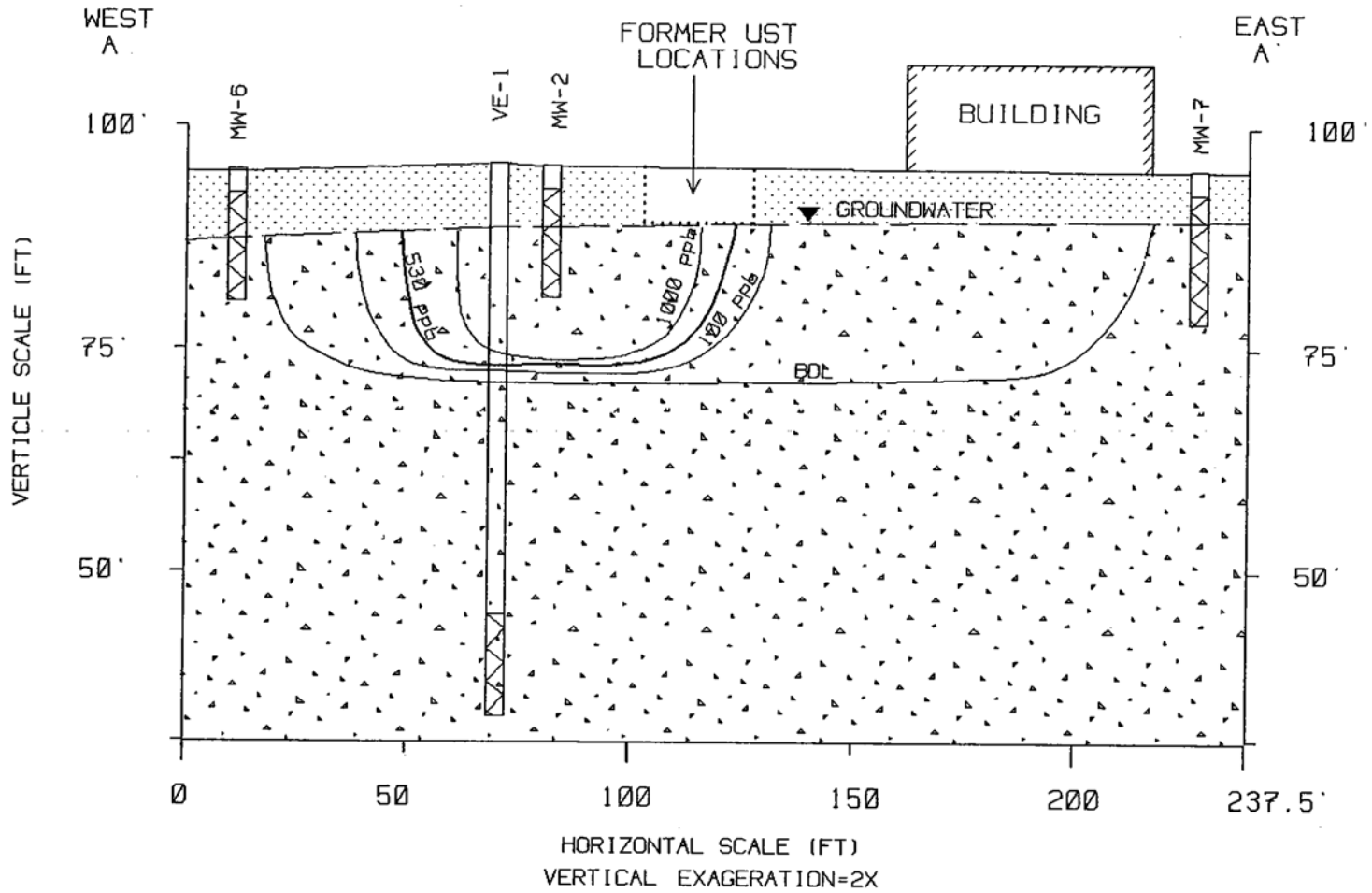
ELEVATIONS RELATIVE TO DATUM ARBITRARILY SET AT INSTRUMENT LEVEL = 100' (see table III)

HORIZONTAL DISTANCE REFLECTS MAP DISTANCE COVERED BY X-SECTION A - A' (Figures 3-5)

KEY	
MW-2 Monitoring Well (riser, screen)	Saturated Soil
	Un-saturated Soil
1 ppb — Benzene Isoconcentration Contour (ppb)	ppb = parts per billion
	Groundwater standard (2L) = 1.0 ppb Benzene

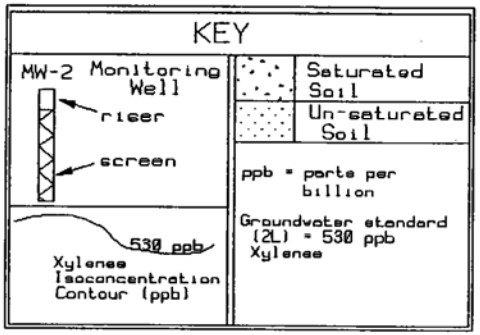
NOTE:
MONITORING WELLS MW-1B AND MW-8 WERE INACCESSIBLE FOR SAMPLING ON APRIL 15, 1997. SEE REPORT SECTION 2.1 FOR MORE DETAILS.

PYRAMID ENVIRONMENTAL	
Gate City Truck Repair Greensboro, NC	
Benzene Isoconcentration Cross-Section A - A'	
June, 1997	Figure 6



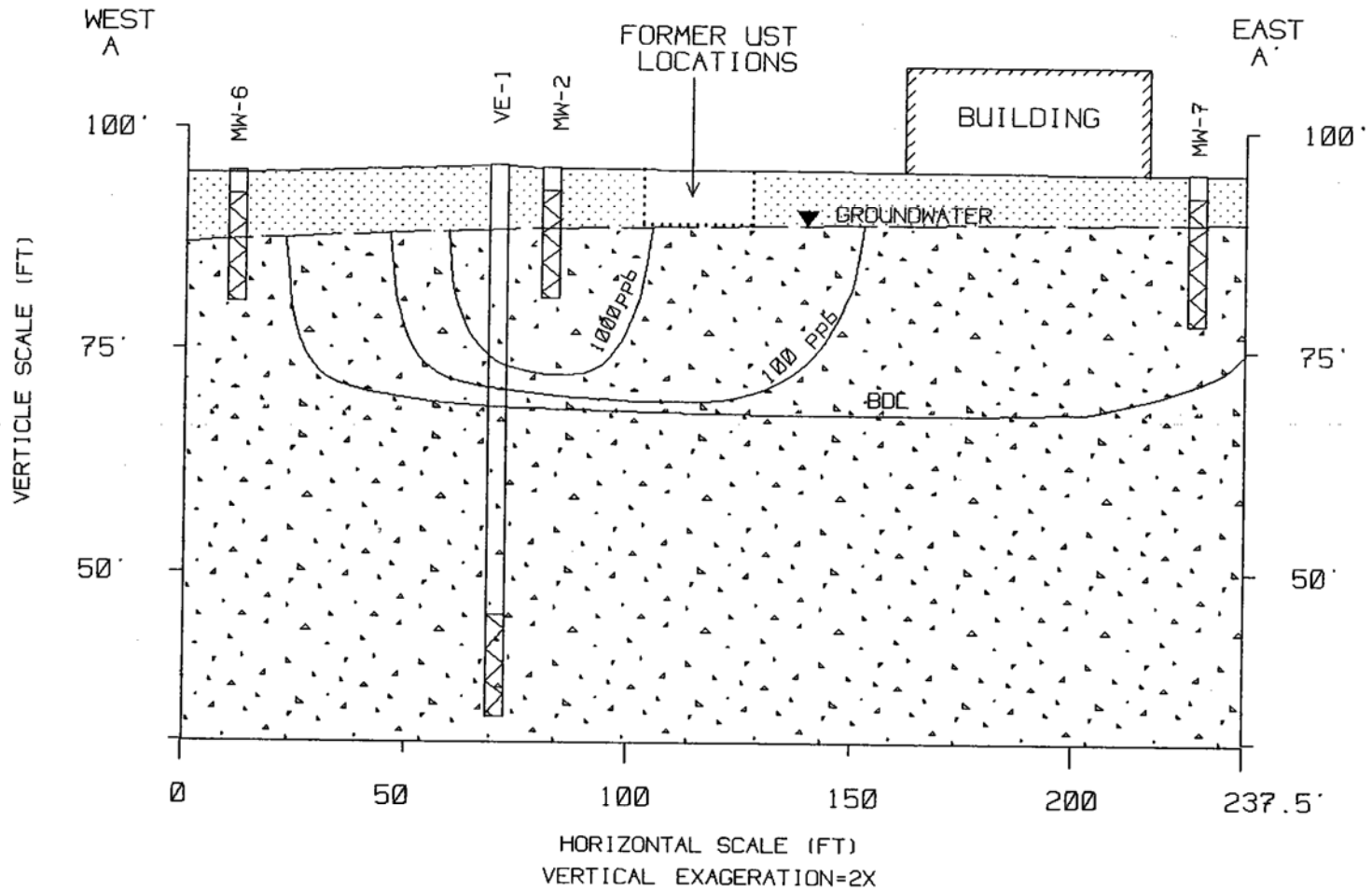
ELEVATIONS RELATIVE TO DATUM ARBITRARILY SET AT INSTRUMENT LEVEL = 100' (see table III)

HORIZONTAL DISTANCE REFLECTS MAP DISTANCE COVERED BY X-SECTION A - A' (Figures 3-5)



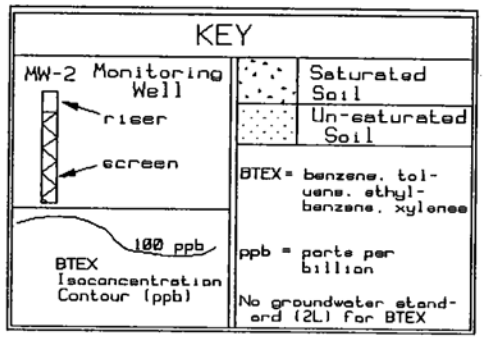
NOTE:
MONITORING WELLS MW-1B AND MW-8 WERE INACCESSIBLE FOR SAMPLING ON APRIL 15, 1997. SEE REPORT SECTION 2.1 FOR MORE DETAILS.

PYRAMID ENVIRONMENTAL	
Gate City Truck Repair Greensboro, NC	
Xylenes Isoconcentration Cross-Section A - A'	
June, 1997	Figure 7



ELEVATIONS RELATIVE TO DATUM ARBITRARILY SET AT INSTRUMENT LEVEL = 100' (see table III)

HORIZONTAL DISTANCE REFLECTS MAP DISTANCE COVERED BY X-SECTION A - A' (Figures 3-5)



NOTE:
MONITORING WELLS MW-1B AND MW-8 WERE INACCESSIBLE FOR SAMPLING ON APRIL 15, 1997. SEE REPORT SECTION 2.1 FOR MORE DETAILS.

PYRAMID ENVIRONMENTAL	
Gate City Truck Repair Greensboro, NC	
BTEX Isoconcentration Cross-Section A - A'	
June, 1997	Figure 8

TABLES

TABLE I: Results of Groundwater Analyses on April 15, 1997

Parameter	MW-2 4/15/97	MW-3 4/15/97	MW-4 4/15/97	MW-6 4/15/97	MW-7 4/15/97	VEW-1 4/15/97	NC Standards
Method 602							
Benzene	**1050**	BDL	BDL	BDL	**6.00**	BDL	1
Toluene	18.3	BDL	BDL	BDL	BDL	BDL	1000
Ethylbenzene	25.6	BDL	BDL	BDL	BDL	BDL	29
Xylenes (total)	**1200**	BDL	BDL	BDL	BDL	BDL	530
1,2-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	NS
All Other 602 Parameters*	BDL	BDL	BDL	BDL	BDL	BDL	
Method 601							
1,2 Dichloroethane	**32.6**	BDL	BDL	BDL	BDL	BDL	0.38
All Other 601 Parameters*	BDL	BDL	BDL	BDL	BDL	BDL	
Method 610 by 625							
Naphthalene	**109**	BDL	BDL	BDL	8.55	BDL	21
Phenanthrene	BDL	BDL	BDL	BDL	3.96	BDL	210
All Other 610 Parameters*	BDL	BDL	BDL	BDL	BDL	BDL	
Method 3030C							
Lead	**47**	11	BDL	BDL	BDL	BDL	15

BTEX = Sum of benzene, toluene, ethylbenzene, and xylenes.
Results in ppb = parts per billion (µg/l).
* See Laboratory Reports

BDL=Below Dectection Limit
NS=No state standard

TABLE II: Results of Groundwater Analyses from June 1993 through October 1996.

Parameter	MW-1 6/1/93	MW-1 10/29/96	MW-1B 5/23/96	MW-2 6/1/93	MW-2 5/23/96	MW-2 10/29/96	MW-3 6/1/93	MW-3 5/23/96	MW-3 10/29/96
Method 602									
Benzene	250	9	23	2200	1810	1100	1	BDL	BDL
Toluene	47	2	BDL	36	36.5	35	BDL	BDL	BDL
Ethylbenzene	BDL	2	5.15	900	37.8	BDL	BDL	BDL	BDL
Xylenes (total)	640	270	401	1500	1420	1100	BDL	BDL	BDL
"BTEX"	937	283	429.15	4636	3304.3	2235	1	BDL	BDL
1,2-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MTBE	50	9	BDL	240	BDL	BDL	BDL	BDL	BDL
IPE	74	BDL	BDL	300	BDL	130	BDL	BDL	BDL
EDB	---	1	BDL	---	BDL	BDL	---	BDL	BDL
All Other 602 Parameters	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Method 601									
1,2 Dichloroethane	3.4	BDL	---	7.9	---	25	BDL	---	BDL
Bromo-dichloro Methane	BDL	BDL	---	BDL	---	BDL	BDL	---	BDL
Methylene Chloride	BDL	BDL	---	BDL	---	BDL	BDL	---	BDL
Chloroform	BDL	BDL	---	BDL	---	BDL	BDL	---	BDL
All Other 601 Parameters	BDL	BDL	---	BDL	---	BDL	BDL	---	BDL
Method 625 + TIC's									
Phenol	BDL	BDL	BDL	12	BDL	BDL	BDL	BDL	BDL
Bis-(2-eh)-Phthalate	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Naphthalene	BDL	100	74.9	---	142	150	---	BDL	BDL
All Other 625 Parameters	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Number TIC's*	---	10	3	---	10	10	---	0	10
Method 3030C									
Lead	---	BDL	32	---	37	0.023	---	41	0.01

MTBE = Methyl-tertiary-butyl-ether.
EDB-Ethylene Dibromide
IPE - Isopropyl Ether
* See Laboratory Reports

BTEX = Sum of benzene, toluene, ethylbenzene, and xylenes.
TICs-Tentatively Identified Compounds
ppb = parts per billion (µg/l).
BDL = Below Detection Limit.

TABLE II: Results of Groundwater Analyses from June 1993 through October 1996 (continued)

Parameter	MW-4 9/8/93	MW-4 6/16/94	MW-4 5/23/96	MW-4 10/29/96	MW-5 9/8/93	MW-6 9/8/93	MW-6 6/16/94	MW-6 5/23/96	MW-6 10/29/96	MW-7 6/30/94	MW-7 5/23/96	MW-7 10/29/96
Method 602												
Benzene	BDL	---	BDL	BDL	BDL	BDL	---	BDL	BDL	BDL	**7.97**	**8**
Toluene	BDL	---	BDL	BDL	BDL	BDL	---	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	BDL	---	BDL	BDL	BDL	BDL	---	BDL	BDL	BDL	BDL	BDL
Xylenes (total)	BDL	---	BDL	BDL	BDL	**1.4**	---	BDL	BDL	BDL	**2.26**	BDL
"BTEX"	BDL	---	BDL	BDL	BDL	**1.4**	---	BDL	BDL	BDL	**10.23**	**8**
1,2-Dichlorobenzene	BDL	---	BDL	BDL	BDL	BDL	---	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	BDL	---	BDL	BDL	BDL	BDL	---	BDL	BDL	BDL	BDL	BDL
MTBE	BDL	---	BDL	BDL	BDL	BDL	---	BDL	**6**	BDL	**117**	**140**
IPE	---	---	BDL	BDL	---	BDL	---	BDL	BDL	BDL	BDL	BDL
EDB	---	---	BDL	BDL	---	---	---	BDL	BDL	BDL	BDL	BDL
All Other 602 Parameters	BDL	---	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Method 601												
1,2 Dichloroethane	BDL	---	---	BDL	BDL	BDL	BDL	BDL	BDL	BDL	---	BDL
Bromo-dichloro Methane	BDL	---	---	BDL	**1.5**	BDL	BDL	BDL	BDL	BDL	---	BDL
Methylene Chloride	BDL	---	---	BDL	BDL	BDL	BDL	BDL	BDL	BDL	---	BDL
Chloroform	BDL	---	---	BDL	**38**	**0.6**	BDL	BDL	BDL	BDL	---	BDL
All Other 601 Parameters	BDL	---	---	BDL	BDL	BDL	BDL	BDL	BDL	BDL	---	BDL
Method 625 + TIC's												
Phenol	BDL	---	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bis-(2-eh)-Phthalate	BDL	---	BDL	BDL	BDL	**43**	BDL	BDL	BDL	BDL	BDL	BDL
Naphthalene	BDL	---	BDL	BDL	---	BDL	BDL	BDL	BDL	BDL	BDL	BDL
All Other 625 Parameters	BDL	---	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Number TIC's*	---	---	0	0	---	---	---	0	0	---	0	10
Method 3030C												
Lead	**.016**	**.004**	BDL	BDL	**.012**	---	---	**33**	BDL	---	**20**	BDL

MTBE = Methyl-tertiary-butyl-ether.
EDB-Ethylene Dibromide
IPE - Isopropyl Ether
* See Laboratory Reports

BTEX = Sum of benzene, toluene, ethylbenzene, and xylenes.
TICs-Tentatively Identified Compounds
ppb = parts per billion (µg/l).
BDL = Below Detection Limit.

TABLE II: Results of Groundwater Analyses from June 1993 through October 1996 (continued)

Parameter	MW-8 5/23/96	MW-8 10/29/96	VEW-1 9/8/93	VEW-1 6/21/94	VEW-1 5/23/96	VEW-1 10/29/96	WSW 11/23/93
Method 602							
Benzene	BDL	BDL	**4.5**	BDL	BDL	BDL	BDL
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Xylenes (total)	BDL	BDL	**1.9**	BDL	BDL	BDL	**3**
"BTEX"	BDL	BDL	**6.4**	BDL	BDL	BDL	**3**
1,2-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	**1**
1,4-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	**1**
MTBE	BDL	BDL	BDL	---	**29.7**	**17**	BDL
EDB	BDL	BDL	---	---	BDL	BDL	---
IPE	BDL	BDL	---	---	BDL	BDL	BDL
All Other 602 Parameters	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Method 601							
1,2 Dichloroethane	---	BDL	BDL	BDL	---	BDL	BDL
Bromo-dichloro Methane	---	BDL	BDL	BDL	---	BDL	BDL
Methylene Chloride	---	BDL	BDL	BDL	---	BDL	**4**
Chloroform	---	BDL	.88	BDL	---	BDL	BDL
1,2-Dichloropropane	---	**23**	BDL	BDL	---	BDL	BDL
All Other 601 Parameters	---	BDL	BDL	BDL	---	BDL	BDL
Method 625 + TIC's							
Phenol	BDL	BDL	BDL	---	BDL	BDL	BDL
Bis-(2-eh)-Phthalate	BDL	BDL	BDL	---	BDL	BDL	BDL
All Other 625 Parameters	BDL	BDL	BDL	---	BDL	BDL	BDL
Number of TIC's *	0	3	---	---	0	0	---
Method 3030C							
Lead	16	BDL	BDL	---	---	BDL	---

MTBE = Methyl-tertiary-butyl-ether.
EDB-Ethylene Dibromide
IPE - Isopropyl Ether
* See Laboratory Reports

BTEX = Sum of benzene, toluene, ethylbenzene, and xylenes.
TICs-Tentatively Identified Compounds
ppb = parts per billion (µg/l).
BDL = Below Detection Limit.

TABLE III. Potentiometric Surface Elevations **4/15/97**

	TOC Surveyed (1)	TOC Height (2)	TOC Elevation w.r.t. Datum	Water Level from TOC	Water Table w.r.t. Datum
MW-1*	- - -	- - -	- - -	- - -	- - -
MW-1B	5.60		94.40	**	
MW-2	5.26		94.74	6.21	88.53
MW-3	5.55	5.65	94.45	5.85	88.60
MW-4	5.50		94.50	6.94	87.56
MW-5*	- - -	- - -	- - -	- - -	- - -
MW-6	5.16	5.26	94.84	7.23	87.61
MW-7	5.53		94.47	4.65	89.82
MW-8	5.47		94.53	**	
VEW-1	5.08		94.92	7.00	87.92

All values in feet.

Shaded value calculated from other values.

Datum arbitrarily set at instrument level=100'

*Well no longer exists

**Well was inaccessible

TABLE IV: Monitoring Well Construction Data Table

MONITORING WELL	WELL DEPTH	RISER INTERVAL	SCREEN INTERVAL	GROUT INTERVAL	BENTONITE INTERVAL	SAND INTERVAL
MW-1B*	16'	0 - 6'	6 - 16'	0 - 4'	4 - 5'	5- 16'
MW-2	14'	0 - 4'	4 - 14'	0 - 2'	2 - 3'	3 - 14'
MW-3	14'	0 - 4'	4 - 14'	0 - 2'	2 - 3'	3 - 14'
MW-4	14'	0 - 4'	4 - 14'	0 - 2'	2 - 3'	3 - 14'
MW-6	14'	0 - 4'	4 - 14'	0 - 2'	2 - 3'	3 - 14'
MW-7	20'	0 - 5'	5 - 15'	0 - 3'	3 - 4'	4 - 20'
MW-8*	15'	0 - 3'	3 - 15'	0 - 1'	1 - 2'	2 - 15'
VEW-1	61'	0 - 51'	51 - 61'	0 - 40'	40 - 45'	45 - 61'

All monitoring wells have 2" pvc casing/riser and 2" pvc screen with 0.01" slots

* MW-1B and MW-8 inaccessable for the April 15, 1997 sampling event

TABLE V: Potential Receptors

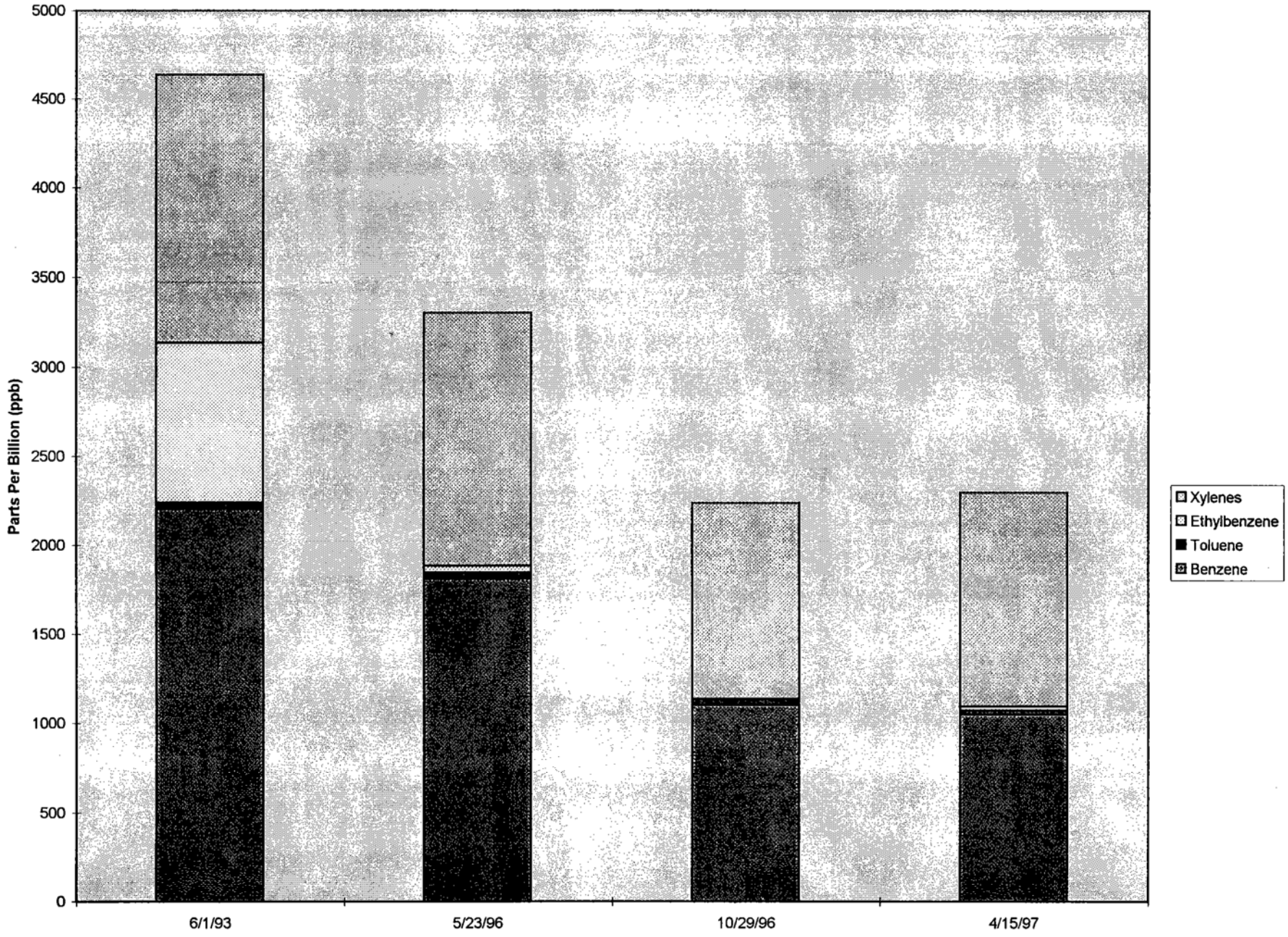
Area Water Supply Wells: Gate City Truck Repair

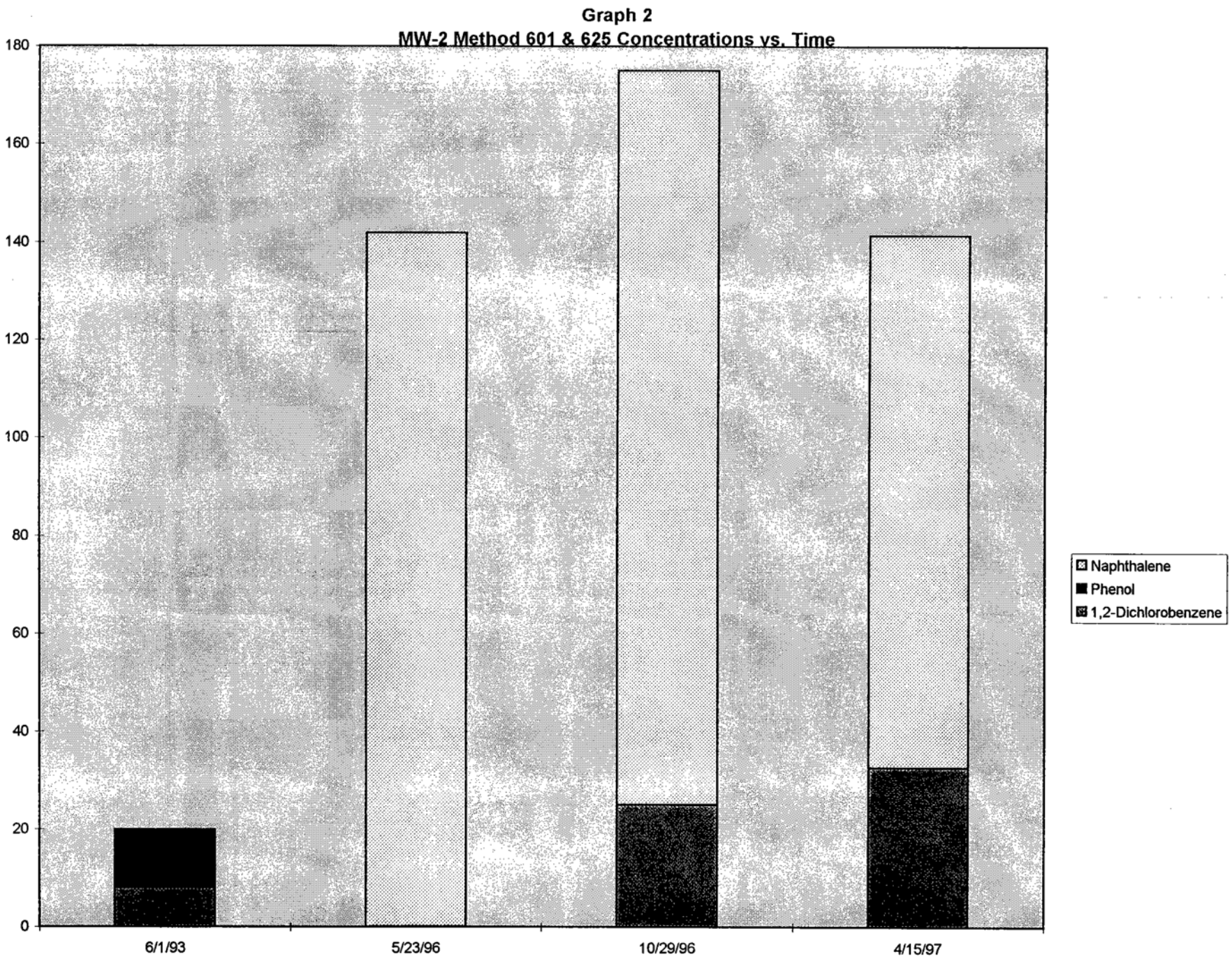
Well ID*	Map / Block / Lot	Well Owner	Physical Address	Mailing Address
1	94-7031 / 959 / 14	Moore, Dorothy M.	6321 Burnt Poplar Rd Greensboro, NC 27409	6321 Burnt Poplar Rd Greensboro, NC 27409
2	94-7031 / 959 / 15	Atkins, Pauline W.	210 Chimney Rock Rd Greensboro, NC 27409	210 Chimney Rock Rd Greensboro, NC 27409
3	94-7031 / 959 / 6	Sampson, Alfred K.	214 Chimney Rock Rd Greensboro, NC 27409	104 Meadowood St. Greensboro, NC 27409
4		Salem Leasing Co.	6208 Burnt Poplar Rd Greensboro, NC 27409	6208 Burnt Poplar Rd Greensboro, NC 27409

* See Figure 1 for well locations.

GRAPHS

Graph I
MW-2 BTEX Concentration vs. Time




Graph 2
MW-2 Method 601 & 625 Concentrations vs. Time
180
160
140
120
100
80
60
40
20
0
6/1/93
5/23/96
10/29/96
4/15/97
Naphthalene
Phenol
1,2-Dichlorobenzene

APPENDIX I

Laboratory Reports

HYDROLOGIC, INC.

April 24, 1997

REPORTING:

Pyramid Environmental
2706 Pinedale Road
Greensboro, NC 27408

INVOICING:

Pyramid Environmental
2706 Pinedale Road
Greensboro, NC 27408

PROJECT NUMBER: **K9708346M**

DATE COMPLETED: April 24, 1997
DATE RECEIVED: April 17, 1997

PROJECT DESCRIPTION:

96090 **(GATE CITY)**--6 water samples were received and analyzed for 601/602/610 BY 625-PAH.

Enclosed is the laboratory report for the project described above. If you have any questions or if we can be of further assistance, please feel free to **contact Jack Hale Jr. at 1-800-728-2251.** We appreciate your business and look forward to serving you again soon.

Respectfully,

Walter Hogg
Laboratory Director

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 / TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME:	Pyramid Environmental
COMPANY PROJECT NUMBER:	96090 (GATE CITY)
HYDROLOGIC PROJECT NUMBER:	K9708346M
HYDROLOGIC SAMPLE NUMBER:	9708346
HYDROLOGIC LAB ID #:	399
SAMPLE IDENTIFICATION:	MW-2
DATE SAMPLED:	4/15/97
DATE EXTRACTED:	N/A
DATE/TIME ANALYZED:	04/22/97

METHOD 601 (GC-MS CONFIRMED)

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Bromodichloromethane	75-27-4	1.0	BDL
Bromoform	75-25-2	1.0	BDL
Bromomethane	74-83-9	1.0	BDL
Carbon Tetrachloride	56-23-5	1.0	BDL
Chlorobenzene	108-90-7	1.0	BDL
Chloroethane	75-00-3	1.0	BDL
2-Chloro Ethyl Vinyl Ether	110-75-8	1.0	BDL
Chloroform	67-66-3	1.0	BDL
Chloromethane	74-87-3	1.0	BDL
Dibromochloromethane	124-48-1	1.0	BDL
1,2-Dichlorobenzene	95-50-1	1.0	BDL
1,3-Dichlorobenzene	541-73-1	1.0	BDL
1,4-Dichlorobenzene	106-46-7	1.0	BDL
Dichlorodifluoromethane	75-71-8	1.0	BDL
1,1-Dichloroethane	75-34-3	1.0	BDL
1,2-Dichloroethane	**107-06-2**	**1.0**	**32.6**
1,1-Dichloroethene	75-35-4	1.0	BDL
trans-1,2-Dichloroethene	156-60-5	1.0	BDL
1,2-Dichloropropane	78-87-5	1.0	BDL
cis-1,3-Dichloropropene	10061-01-5	1.0	BDL
trans-1,3-Dichloropropene	10061-02-6	1.0	BDL
Methylene Chloride	75-09-2	1.0	BDL
1,1,2,2-Tetrachloroethane	79-34-5	1.0	BDL
Tetrachloroethene	127-18-4	1.0	BDL
1,1,1-Trichloroethane	71-55-6	1.0	BDL

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HYDROLOGIC, INC.

COMPANY NAME: Pyramid Environmental
COMPANY PROJECT NUMBER: 96090 (GATE CITY)

HYDROLOGIC PROJECT NUMBER: K9708346M
HYDROLOGIC SAMPLE NUMBER: 9708346
SAMPLE IDENTIFICATION: MW-2
DATE SAMPLED: 4/15/97

METHOD 601 (GC-MS CONFIRMED)

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
1,1,2-Trichloroethane	79-00-5	1.0	BDL
Trichloroethene	79-01-6	1.0	BDL
Trichlorofluoromethane	75-69-4	1.0	BDL
Vinyl Chloride	75-01-4	1.0	BDL
SURROGATE RECOVERY:			
BFB			107%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
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HYDROLOGIC, INC.

COMPANY NAME: Pyramid Environmental
COMPANY PROJECT NUMBER: 96090 (GATE CITY)

HYDROLOGIC PROJECT NUMBER: K9708346M
HYDROLOGIC SAMPLE NUMBER: 9708346
HYDROLOGIC LAB ID #: 399
SAMPLE IDENTIFICATION: MW-2
DATE SAMPLED: 4/15/97
DATE EXTRACTED: N/A
DATE/TIME ANALYZED: 04/22/97

METHOD 602 (GC-MS CONFIRMED)

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Benzene	**71-43-2**	**1.0**	**1050**
Chlorobenzene	108-90-7	1.0	BDL
1,2-Dichlorobenzene	95-50-1	1.0	BDL
1,3-Dichlorobenzene	541-73-1	1.0	BDL
1,4-Dichlorobenzene	106-46-7	1.0	BDL
Ethylbenzene	**100-41-4**	**1.0**	**25.6**
Toluene	**108-88-3**	**1.0**	**18.3**
Xylene (Total)	**1330-20-7**	**1.0**	**1200**
Surrogate Recovery:			
BFB			107%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
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HYDROLOGIC, INC.

COMPANY NAME:	Pyramid Environmental
COMPANY PROJECT NUMBER:	96090 (GATE CITY)
HYDROLOGIC PROJECT NUMBER:	K9708346M
HYDROLOGIC SAMPLE NUMBER:	9708346
HYDROLOGIC LAB ID #:	399
SAMPLE IDENTIFICATION:	MW-2
DATE SAMPLED:	4/15/97
DATE EXTRACTED:	04/21/97
DATE/TIME ANALYZED:	04/24/97

METHOD 610 by 625

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Naphthalene	**91-20-3**	**10.0**	**109**
Acenaphthylene	208-96-8	10.0	BDL
Acenaphthene	83-32-9	10.0	BDL
Fluorene	86-73-7	10.0	BDL
Phenanthrene	85-01-8	10.0	BDL
Anthracene	120-12-7	10.0	BDL
Fluoranthene	206-44-0	10.0	BDL
Pyrene	129-00-0	10.0	BDL
Benzo(a)anthracene	56-55-3	10.0	BDL
Chrysene	218-01-9	10.0	BDL
Benzo(b)fluoranthene	205-99-2	10.0	BDL
Benzo(k)fluoranthene	207-08-9	10.0	BDL
Benzo(a)pyrene	50-32-8	10.0	BDL
Indeno(1,2,3-cd)pyrene	193-39-5	10.0	BDL
Dibenz(a,h)anthracene	53-70-3	10.0	BDL
Benzo(g,h,i)perylene	191-24-2	10.0	BDL
Surrogate Recoveries:			
p-Terphenyl			59%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 / TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME:	Pyramid Environmental
COMPANY PROJECT NUMBER:	96090 (GATE CITY)
HYDROLOGIC PROJECT NUMBER:	K9708346M
HYDROLOGIC SAMPLE NUMBER:	9708347
HYDROLOGIC LAB ID #:	399
SAMPLE IDENTIFICATION:	MW-3
DATE SAMPLED:	4/15/97
DATE EXTRACTED:	N/A
DATE/TIME ANALYZED:	04/23/97

METHOD 601 (GC-MS CONFIRMED)

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Bromodichloromethane	75-27-4	1.0	BDL
Bromoform	75-25-2	1.0	BDL
Bromomethane	74-83-9	1.0	BDL
Carbon Tetrachloride	56-23-5	1.0	BDL
Chlorobenzene	108-90-7	1.0	BDL
Chloroethane	75-00-3	1.0	BDL
2-Chloro Ethyl Vinyl Ether	110-75-8	1.0	BDL
Chloroform	67-66-3	1.0	BDL
Chloromethane	74-87-3	1.0	BDL
Dibromochloromethane	124-48-1	1.0	BDL
1,2-Dichlorobenzene	95-50-1	1.0	BDL
1,3-Dichlorobenzene	541-73-1	1.0	BDL
1,4-Dichlorobenzene	106-46-7	1.0	BDL
Dichlorodifluoromethane	75-71-8	1.0	BDL
1,1-Dichloroethane	75-34-3	1.0	BDL
1,2-Dichloroethane	107-06-2	1.0	BDL
1,1-Dichloroethene	75-35-4	1.0	BDL
trans-1,2-Dichloroethene	156-60-5	1.0	BDL
1,2-Dichloropropane	78-87-5	1.0	BDL
cis-1,3-Dichloropropene	10061-01-5	1.0	BDL
trans-1,3-Dichloropropene	10061-02-6	1.0	BDL
Methylene Chloride	75-09-2	1.0	BDL
1,1,2,2-Tetrachloroethane	79-34-5	1.0	BDL
Tetrachloroethene	127-18-4	1.0	BDL
1,1,1-Trichloroethane	71-55-6	1.0	BDL

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HYDROLOGIC, INC.

COMPANY NAME: Pyramid Environmental
COMPANY PROJECT NUMBER: 96090 (GATE CITY)

HYDROLOGIC PROJECT NUMBER: K9708346M
HYDROLOGIC SAMPLE NUMBER: 9708347
SAMPLE IDENTIFICATION: MW-3
DATE SAMPLED: 4/15/97

METHOD 601 (GC-MS CONFIRMED)

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
1,1,2-Trichloroethane	79-00-5	1.0	BDL
Trichloroethene	79-01-6	1.0	BDL
Trichlorofluoromethane	75-69-4	1.0	BDL
Vinyl Chloride	75-01-4	1.0	BDL
SURROGATE RECOVERY:			
BFB			103%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
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HYDROLOGIC, INC.

COMPANY NAME: Pyramid Environmental
COMPANY PROJECT NUMBER: 96090 (GATE CITY)

HYDROLOGIC PROJECT NUMBER: K9708346M
HYDROLOGIC SAMPLE NUMBER: 9708347
HYDROLOGIC LAB ID #: 399
SAMPLE IDENTIFICATION: MW-3
DATE SAMPLED: 4/15/97
DATE EXTRACTED: N/A
DATE/TIME ANALYZED: 04/23/97

METHOD 602 (GC-MS CONFIRMED)

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Benzene	71-43-2	1.0	BDL
Chlorobenzene	108-90-7	1.0	BDL
1,2-Dichlorobenzene	95-50-1	1.0	BDL
1,3-Dichlorobenzene	541-73-1	1.0	BDL
1,4-Dichlorobenzene	106-46-7	1.0	BDL
Ethylbenzene	100-41-4	1.0	BDL
Toluene	108-88-3	1.0	BDL
Xylene (Total)	1330-20-7	1.0	BDL
Surrogate Recovery:			
BFB			103%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
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HYDROLOGIC, INC.

COMPANY NAME:	Pyramid Environmental
COMPANY PROJECT NUMBER:	96090 (GATE CITY)
HYDROLOGIC PROJECT NUMBER:	K9708346M
HYDROLOGIC SAMPLE NUMBER:	9708347
HYDROLOGIC LAB ID #:	399
SAMPLE IDENTIFICATION:	MW-3
DATE SAMPLED:	4/15/97
DATE EXTRACTED:	04/21/97
DATE/TIME ANALYZED:	04/24/97

METHOD 610 by 625

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Naphthalene	91-20-3	10.0	BDL
Acenaphthylene	208-96-8	10.0	BDL
Acenaphthene	83-32-9	10.0	BDL
Fluorene	86-73-7	10.0	BDL
Phenanthrene	85-01-8	10.0	BDL
Anthracene	120-12-7	10.0	BDL
Fluoranthene	206-44-0	10.0	BDL
Pyrene	129-00-0	10.0	BDL
Benzo(a)anthracene	56-55-3	10.0	BDL
Chrysene	218-01-9	10.0	BDL
Benzo(b)fluoranthene	205-99-2	10.0	BDL
Benzo(k)fluoranthene	207-08-9	10.0	BDL
Benzo(a)pyrene	50-32-8	10.0	BDL
Indeno(1,2,3-cd)pyrene	193-39-5	10.0	BDL
Dibenz(a,h)anthracene	53-70-3	10.0	BDL
Benzo(g,h,i)perylene	191-24-2	10.0	BDL
Surrogate Recoveries:			
p-Terphenyl			79%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 / TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME:	Pyramid Environmental
COMPANY PROJECT NUMBER:	96090 (GATE CITY)
HYDROLOGIC PROJECT NUMBER:	K9708346M
HYDROLOGIC SAMPLE NUMBER:	9708348
HYDROLOGIC LAB ID #:	399
SAMPLE IDENTIFICATION:	MW-4
DATE SAMPLED:	4/15/97
DATE EXTRACTED:	N/A
DATE/TIME ANALYZED:	04/22/97

METHOD 601 (GC-MS CONFIRMED)

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Bromodichloromethane	75-27-4	1.0	BDL
Bromoform	75-25-2	1.0	BDL
Bromomethane	74-83-9	1.0	BDL
Carbon Tetrachloride	56-23-5	1.0	BDL
Chlorobenzene	108-90-7	1.0	BDL
Chloroethane	75-00-3	1.0	BDL
2-Chloro Ethyl Vinyl Ether	110-75-8	1.0	BDL
Chloroform	67-66-3	1.0	BDL
Chloromethane	74-87-3	1.0	BDL
Dibromochloromethane	124-48-1	1.0	BDL
1,2-Dichlorobenzene	95-50-1	1.0	BDL
1,3-Dichlorobenzene	541-73-1	1.0	BDL
1,4-Dichlorobenzene	106-46-7	1.0	BDL
Dichlorodifluoromethane	75-71-8	1.0	BDL
1,1-Dichloroethane	75-34-3	1.0	BDL
1,2-Dichloroethane	107-06-2	1.0	BDL
1,1-Dichloroethene	75-35-4	1.0	BDL
trans-1,2-Dichloroethene	156-60-5	1.0	BDL
1,2-Dichloropropane	78-87-5	1.0	BDL
cis-1,3-Dichloropropene	10061-01-5	1.0	BDL
trans-1,3-Dichloropropene	10061-02-6	1.0	BDL
Methylene Chloride	75-09-2	1.0	BDL
1,1,2,2-Tetrachloroethane	79-34-5	1.0	BDL
Tetrachloroethene	127-18-4	1.0	BDL
1,1,1-Trichloroethane	71-55-6	1.0	BDL

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HYDROLOGIC, INC.

COMPANY NAME: Pyramid Environmental
COMPANY PROJECT NUMBER: 96090 (GATE CITY)

HYDROLOGIC PROJECT NUMBER: K9708346M
HYDROLOGIC SAMPLE NUMBER: 9708348
SAMPLE IDENTIFICATION: MW-4
DATE SAMPLED: 4/15/97

METHOD 601 (GC-MS CONFIRMED)

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
1,1,2-Trichloroethane	79-00-5	1.0	BDL
Trichloroethene	79-01-6	1.0	BDL
Trichlorofluoromethane	75-69-4	1.0	BDL
Vinyl Chloride	75-01-4	1.0	BDL
SURROGATE RECOVERY:			
BFB			113%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 / TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME:	Pyramid Environmental
COMPANY PROJECT NUMBER:	96090 (GATE CITY)
HYDROLOGIC PROJECT NUMBER:	K9708346M
HYDROLOGIC SAMPLE NUMBER:	9708348
HYDROLOGIC LAB ID #:	399
SAMPLE IDENTIFICATION:	MW-4
DATE SAMPLED:	4/15/97
DATE EXTRACTED:	N/A
DATE/TIME ANALYZED:	04/22/97

METHOD 602 (GC-MS CONFIRMED)

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Benzene	71-43-2	1.0	BDL
Chlorobenzene	108-90-7	1.0	BDL
1,2-Dichlorobenzene	95-50-1	1.0	BDL
1,3-Dichlorobenzene	541-73-1	1.0	BDL
1,4-Dichlorobenzene	106-46-7	1.0	BDL
Ethylbenzene	100-41-4	1.0	BDL
Toluene	108-88-3	1.0	BDL
Xylene (Total)	1330-20-7	1.0	BDL
Surrogate Recovery:			
BFB			113%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 / TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME:	Pyramid Environmental
COMPANY PROJECT NUMBER:	96090 (GATE CITY)
HYDROLOGIC PROJECT NUMBER:	K9708346M
HYDROLOGIC SAMPLE NUMBER:	9708348
HYDROLOGIC LAB ID #:	399
SAMPLE IDENTIFICATION:	MW-4
DATE SAMPLED:	4/15/97
DATE EXTRACTED:	04/21/97
DATE/TIME ANALYZED:	04/24/97

METHOD 610 by 625

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Naphthalene	91-20-3	10.0	BDL
Acenaphthylene	208-96-8	10.0	BDL
Acenaphthene	83-32-9	10.0	BDL
Fluorene	86-73-7	10.0	BDL
Phenanthrene	85-01-8	10.0	BDL
Anthracene	120-12-7	10.0	BDL
Fluoranthene	206-44-0	10.0	BDL
Pyrene	129-00-0	10.0	BDL
Benzo(a)anthracene	56-55-3	10.0	BDL
Chrysene	218-01-9	10.0	BDL
Benzo(b)fluoranthene	205-99-2	10.0	BDL
Benzo(k)fluoranthene	207-08-9	10.0	BDL
Benzo(a)pyrene	50-32-8	10.0	BDL
Indeno(1,2,3-cd)pyrene	193-39-5	10.0	BDL
Dibenz(a,h)anthracene	53-70-3	10.0	BDL
Benzo(g,h,i)perylene	191-24-2	10.0	BDL
Surrogate Recoveries:			
p-Terphenyl			70%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 / TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME: Pyramid Environmental
COMPANY PROJECT NUMBER: 96090 (GATE CITY)

HYDROLOGIC PROJECT NUMBER: K9708346M
HYDROLOGIC SAMPLE NUMBER: 9708349
HYDROLOGIC LAB ID #: 399
SAMPLE IDENTIFICATION: MW-6
DATE SAMPLED: 4/15/97
DATE EXTRACTED: N/A
DATE/TIME ANALYZED: 04/22/97

METHOD 601 (GC-MS CONFIRMED)

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Bromodichloromethane	75-27-4	1.0	BDL
Bromoform	75-25-2	1.0	BDL
Bromomethane	74-83-9	1.0	BDL
Carbon Tetrachloride	56-23-5	1.0	BDL
Chlorobenzene	108-90-7	1.0	BDL
Chloroethane	75-00-3	1.0	BDL
2-Chloro Ethyl Vinyl Ether	110-75-8	1.0	BDL
Chloroform	67-66-3	1.0	BDL
Chloromethane	74-87-3	1.0	BDL
Dibromochloromethane	124-48-1	1.0	BDL
1,2-Dichlorobenzene	95-50-1	1.0	BDL
1,3-Dichlorobenzene	541-73-1	1.0	BDL
1,4-Dichlorobenzene	106-46-7	1.0	BDL
Dichlorodifluoromethane	75-71-8	1.0	BDL
1,1-Dichloroethane	75-34-3	1.0	BDL
1,2-Dichloroethane	107-06-2	1.0	BDL
1,1-Dichloroethene	75-35-4	1.0	BDL
trans-1,2-Dichloroethene	156-60-5	1.0	BDL
1,2-Dichloropropane	78-87-5	1.0	BDL
cis-1,3-Dichloropropene	10061-01-5	1.0	BDL
trans-1,3-Dichloropropene	10061-02-6	1.0	BDL
Methylene Chloride	75-09-2	1.0	BDL
1,1,2,2-Tetrachloroethane	79-34-5	1.0	BDL
Tetrachloroethene	127-18-4	1.0	BDL
1,1,1-Trichloroethane	71-55-6	1.0	BDL

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 / TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME: Pyramid Environmental
COMPANY PROJECT NUMBER: 96090 (GATE CITY)

HYDROLOGIC PROJECT NUMBER: K9708346M
HYDROLOGIC SAMPLE NUMBER: 9708349
SAMPLE IDENTIFICATION: MW-6
DATE SAMPLED: 4/15/97

METHOD 601 (GC-MS CONFIRMED)

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
1,1,2-Trichloroethane	79-00-5	1.0	BDL
Trichloroethene	79-01-6	1.0	BDL
Trichlorofluoromethane	75-69-4	1.0	BDL
Vinyl Chloride	75-01-4	1.0	BDL

SURROGATE RECOVERY:
BFB 110%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 / TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME:	Pyramid Environmental
COMPANY PROJECT NUMBER:	96090 (GATE CITY)
HYDROLOGIC PROJECT NUMBER:	K9708346M
HYDROLOGIC SAMPLE NUMBER:	9708349
HYDROLOGIC LAB ID #:	399
SAMPLE IDENTIFICATION:	MW-6
DATE SAMPLED:	4/15/97
DATE EXTRACTED:	N/A
DATE/TIME ANALYZED:	04/22/97

METHOD 602 (GC-MS CONFIRMED)

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Benzene	71-43-2	1.0	BDL
Chlorobenzene	108-90-7	1.0	BDL
1,2-Dichlorobenzene	95-50-1	1.0	BDL
1,3-Dichlorobenzene	541-73-1	1.0	BDL
1,4-Dichlorobenzene	106-46-7	1.0	BDL
Ethylbenzene	100-41-4	1.0	BDL
Toluene	108-88-3	1.0	BDL
Xylene (Total)	1330-20-7	1.0	BDL
Surrogate Recovery:			
BFB			110%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 / TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME:	Pyramid Environmental
COMPANY PROJECT NUMBER:	96090 (GATE CITY)
HYDROLOGIC PROJECT NUMBER:	K9708346M
HYDROLOGIC SAMPLE NUMBER:	9708349
HYDROLOGIC LAB ID #:	399
SAMPLE IDENTIFICATION:	MW-6
DATE SAMPLED:	4/15/97
DATE EXTRACTED:	04/21/97
DATE/TIME ANALYZED:	04/24/97

METHOD 610 by 625

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Naphthalene	91-20-3	10.0	BDL
Acenaphthylene	208-96-8	10.0	BDL
Acenaphthene	83-32-9	10.0	BDL
Fluorene	86-73-7	10.0	BDL
Phenanthrene	85-01-8	10.0	BDL
Anthracene	120-12-7	10.0	BDL
Fluoranthene	206-44-0	10.0	BDL
Pyrene	129-00-0	10.0	BDL
Benzo(a)anthracene	56-55-3	10.0	BDL
Chrysene	218-01-9	10.0	BDL
Benzo(b)fluoranthene	205-99-2	10.0	BDL
Benzo(k)fluoranthene	207-08-9	10.0	BDL
Benzo(a)pyrene	50-32-8	10.0	BDL
Indeno(1,2,3-cd)pyrene	193-39-5	10.0	BDL
Dibenz(a,h)anthracene	53-70-3	10.0	BDL
Benzo(g,h,i)perylene	191-24-2	10.0	BDL
Surrogate Recoveries:			
p-Terphenyl			70%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 / TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME:	Pyramid Environmental
COMPANY PROJECT NUMBER:	96090 (GATE CITY)
HYDROLOGIC PROJECT NUMBER:	K9708346M
HYDROLOGIC SAMPLE NUMBER:	9708350
HYDROLOGIC LAB ID #:	399
SAMPLE IDENTIFICATION:	MW-7
DATE SAMPLED:	4/15/97
DATE EXTRACTED:	N/A
DATE/TIME ANALYZED:	04/22/97

METHOD 601 (GC-MS CONFIRMED)

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Bromodichloromethane	75-27-4	1.0	BDL
Bromoform	75-25-2	1.0	BDL
Bromomethane	74-83-9	1.0	BDL
Carbon Tetrachloride	56-23-5	1.0	BDL
Chlorobenzene	108-90-7	1.0	BDL
Chloroethane	75-00-3	1.0	BDL
2-Chloro Ethyl Vinyl Ether	110-75-8	1.0	BDL
Chloroform	67-66-3	1.0	BDL
Chloromethane	74-87-3	1.0	BDL
Dibromochloromethane	124-48-1	1.0	BDL
1,2-Dichlorobenzene	95-50-1	1.0	BDL
1,3-Dichlorobenzene	541-73-1	1.0	BDL
1,4-Dichlorobenzene	106-46-7	1.0	BDL
Dichlorodifluoromethane	75-71-8	1.0	BDL
1,1-Dichloroethane	75-34-3	1.0	BDL
1,2-Dichloroethane	107-06-2	1.0	BDL
1,1-Dichloroethene	75-35-4	1.0	BDL
trans-1,2-Dichloroethene	156-60-5	1.0	BDL
1,2-Dichloropropane	78-87-5	1.0	BDL
cis-1,3-Dichloropropene	10061-01-5	1.0	BDL
trans-1,3-Dichloropropene	10061-02-6	1.0	BDL
Methylene Chloride	75-09-2	1.0	BDL
1,1,2,2-Tetrachloroethane	79-34-5	1.0	BDL
Tetrachloroethene	127-18-4	1.0	BDL
1,1,1-Trichloroethane	71-55-6	1.0	BDL

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 / TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME: Pyramid Environmental
COMPANY PROJECT NUMBER: 96090 (GATE CITY)

HYDROLOGIC PROJECT NUMBER: K9708346M
HYDROLOGIC SAMPLE NUMBER: 9708350
SAMPLE IDENTIFICATION: MW-7
DATE SAMPLED: 4/15/97

METHOD 601 (GC-MS CONFIRMED)

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
1,1,2-Trichloroethane	79-00-5	1.0	BDL
Trichloroethene	79-01-6	1.0	BDL
Trichlorofluoromethane	75-69-4	1.0	BDL
Vinyl Chloride	75-01-4	1.0	BDL
SURROGATE RECOVERY:			
BFB			108%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 / TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME:	Pyramid Environmental
COMPANY PROJECT NUMBER:	96090 (GATE CITY)
HYDROLOGIC PROJECT NUMBER:	K9708346M
HYDROLOGIC SAMPLE NUMBER:	9708350
HYDROLOGIC LAB ID #:	399
SAMPLE IDENTIFICATION:	MW-7
DATE SAMPLED:	4/15/97
DATE EXTRACTED:	N/A
DATE/TIME ANALYZED:	04/22/97

METHOD 602 (GC-MS CONFIRMED)

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Benzene	**71-43-2**	**1.0**	**6.00**
Chlorobenzene	108-90-7	1.0	BDL
1,2-Dichlorobenzene	95-50-1	1.0	BDL
1,3-Dichlorobenzene	541-73-1	1.0	BDL
1,4-Dichlorobenzene	106-46-7	1.0	BDL
Ethylbenzene	100-41-4	1.0	BDL
Toluene	108-88-3	1.0	BDL
Xylene (Total)	1330-20-7	1.0	BDL
Surrogate Recovery:			
BFB			108%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 / TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME:	Pyramid Environmental
COMPANY PROJECT NUMBER:	96090 (GATE CITY)
HYDROLOGIC PROJECT NUMBER:	K9708346M
HYDROLOGIC SAMPLE NUMBER:	9708350
HYDROLOGIC LAB ID #:	399
SAMPLE IDENTIFICATION:	MW-7
DATE SAMPLED:	4/15/97
DATE EXTRACTED:	04/21/97
DATE/TIME ANALYZED:	04/24/97

METHOD 610 by 625

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Naphthalene	**91-20-3**	**10.0**	**8.55**
Acenaphthylene	208-96-8	10.0	BDL
Acenaphthene	83-32-9	10.0	BDL
Fluorene	86-73-7	10.0	BDL
Phenanthrene	**85-01-8**	**10.0**	**3.96**
Anthracene	120-12-7	10.0	BDL
Fluoranthene	206-44-0	10.0	BDL
Pyrene	129-00-0	10.0	BDL
Benzo(a)anthracene	56-55-3	10.0	BDL
Chrysene	218-01-9	10.0	BDL
Benzo(b)fluoranthene	205-99-2	10.0	BDL
Benzo(k)fluoranthene	207-08-9	10.0	BDL
Benzo(a)pyrene	50-32-8	10.0	BDL
Indeno(1,2,3-cd)pyrene	193-39-5	10.0	BDL
Dibenz(a,h)anthracene	53-70-3	10.0	BDL
Benzo(g,h,i)perylene	191-24-2	10.0	BDL
Surrogate Recoveries:			
p-Terphenyl			72%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 / TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME: Pyramid Environmental
COMPANY PROJECT NUMBER: 96090 (GATE CITY)

HYDROLOGIC PROJECT NUMBER: K9708346M
HYDROLOGIC SAMPLE NUMBER: 9708351
HYDROLOGIC LAB ID #: 399
SAMPLE IDENTIFICATION: VEW-1
DATE SAMPLED: 4/15/97
DATE EXTRACTED: N/A
DATE/TIME ANALYZED: 04/22/97

METHOD 601 (GC-MS CONFIRMED)

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Bromodichloromethane	75-27-4	1.0	BDL
Bromoform	75-25-2	1.0	BDL
Bromomethane	74-83-9	1.0	BDL
Carbon Tetrachloride	56-23-5	1.0	BDL
Chlorobenzene	108-90-7	1.0	BDL
Chloroethane	75-00-3	1.0	BDL
2-Chloro Ethyl Vinyl Ether	110-75-8	1.0	BDL
Chloroform	67-66-3	1.0	BDL
Chloromethane	74-87-3	1.0	BDL
Dibromochloromethane	124-48-1	1.0	BDL
1,2-Dichlorobenzene	95-50-1	1.0	BDL
1,3-Dichlorobenzene	541-73-1	1.0	BDL
1,4-Dichlorobenzene	106-46-7	1.0	BDL
Dichlorodifluoromethane	75-71-8	1.0	BDL
1,1-Dichloroethane	75-34-3	1.0	BDL
1,2-Dichloroethane	107-06-2	1.0	BDL
1,1-Dichloroethene	75-35-4	1.0	BDL
trans-1,2-Dichloroethene	156-60-5	1.0	BDL
1,2-Dichloropropane	78-87-5	1.0	BDL
cis-1,3-Dichloropropene	10061-01-5	1.0	BDL
trans-1,3-Dichloropropene	10061-02-6	1.0	BDL
Methylene Chloride	75-09-2	1.0	BDL
1,1,2,2-Tetrachloroethane	79-34-5	1.0	BDL
Tetrachloroethene	127-18-4	1.0	BDL
1,1,1-Trichloroethane	71-55-6	1.0	BDL

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 / TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME: Pyramid Environmental
COMPANY PROJECT NUMBER: 96090 (GATE CITY)

HYDROLOGIC PROJECT NUMBER: K9708346M
HYDROLOGIC SAMPLE NUMBER: 9708351
SAMPLE IDENTIFICATION: VEW-1
DATE SAMPLED: 4/15/97

METHOD 601 (GC-MS CONFIRMED)

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
1,1,2-Trichloroethane	79-00-5	1.0	BDL
Trichloroethene	79-01-6	1.0	BDL
Trichlorofluoromethane	75-69-4	1.0	BDL
Vinyl Chloride	75-01-4	1.0	BDL
SURROGATE RECOVERY:			
BFB			114%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 / TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME:	Pyramid Environmental
COMPANY PROJECT NUMBER:	96090 (GATE CITY)
HYDROLOGIC PROJECT NUMBER:	K9708346M
HYDROLOGIC SAMPLE NUMBER:	9708351
HYDROLOGIC LAB ID #:	399
SAMPLE IDENTIFICATION:	VEW-1
DATE SAMPLED:	4/15/97
DATE EXTRACTED:	N/A
DATE/TIME ANALYZED:	04/22/97

METHOD 602 (GC-MS CONFIRMED)

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Benzene	71-43-2	1.0	BDL
Chlorobenzene	108-90-7	1.0	BDL
1,2-Dichlorobenzene	95-50-1	1.0	BDL
1,3-Dichlorobenzene	541-73-1	1.0	BDL
1,4-Dichlorobenzene	106-46-7	1.0	BDL
Ethylbenzene	100-41-4	1.0	BDL
Toluene	108-88-3	1.0	BDL
Xylene (Total)	1330-20-7	1.0	BDL
Surrogate Recovery:			
BFB			114%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 / TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME:	Pyramid Environmental
COMPANY PROJECT NUMBER:	96090 (GATE CITY)
HYDROLOGIC PROJECT NUMBER:	K9708346M
HYDROLOGIC SAMPLE NUMBER:	9708351
HYDROLOGIC LAB ID #:	399
SAMPLE IDENTIFICATION:	VEW-1
DATE SAMPLED:	4/15/97
DATE EXTRACTED:	04/21/97
DATE/TIME ANALYZED:	04/24/97

METHOD 610 by 625

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Naphthalene	91-20-3	10.0	BDL
Acenaphthylene	208-96-8	10.0	BDL
Acenaphthene	83-32-9	10.0	BDL
Fluorene	86-73-7	10.0	BDL
Phenanthrene	85-01-8	10.0	BDL
Anthracene	120-12-7	10.0	BDL
Fluoranthene	206-44-0	10.0	BDL
Pyrene	129-00-0	10.0	BDL
Benzo(a)anthracene	56-55-3	10.0	BDL
Chrysene	218-01-9	10.0	BDL
Benzo(b)fluoranthene	205-99-2	10.0	BDL
Benzo(k)fluoranthene	207-08-9	10.0	BDL
Benzo(a)pyrene	50-32-8	10.0	BDL
Indeno(1,2,3-cd)pyrene	193-39-5	10.0	BDL
Dibenz(a,h)anthracene	53-70-3	10.0	BDL
Benzo(g,h,i)perylene	191-24-2	10.0	BDL
Surrogate Recoveries:			
p-Terphenyl			83%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 / TOLL FREE 800-728-2251

HYDROLOGIC, INC.

FINAL REPORT OF ANALYSES

HYDROLOGIC MORRISVILLE
2500 GATEWAY CENTRE BOULV
SUITE 900
MORRISVILLE, NC 27560-
Attn: LISA SNIPES

PROJECT NAME: PYRAMID 96090
REPORT DATE: 04/22/97

SAMPLE NUMBER- 101537 SAMPLE ID- GATE CITY MW-2 SAMPLE MATRIX- WW
DATE SAMPLED- 04/15/97 TIME SAMPLED- 1615
DATE RECEIVED- 04/17/97 SAMPLER- WT/JM RECEIVED BY- DHT
TIME RECEIVED- 0945 DELIVERED BY- COURIER

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	DET. LIMIT
LEAD,TOTAL 3030C DIGESTION	200.7	04/18/97	BDL	04/21/97	BDL	0.047	mg/l	0.010

LABORATORY DIRECTOR

P.O. BOX 18029 ASHEVILLE NC 28814-0029
704-254-5169 FAX: 704-252-9711 / TOLL FREE: 800-344-5759

HYDROLOGIC, INC.

FINAL REPORT OF ANALYSES

HYDROLOGIC MORRISVILLE
2500 GATEWAY CENTRE BOULV
SUITE 900
MORRISVILLE, NC 27560-
Attn: LISA SNIPES

PROJECT NAME: PYRAMID 96090
REPORT DATE: 04/22/97

SAMPLE NUMBER- 101538 SAMPLE ID- GATE CITY MW-3 SAMPLE MATRIX- WW
DATE SAMPLED- 04/15/97 TIME SAMPLED- 1600
DATE RECEIVED- 04/17/97 SAMPLER- WT/JM RECEIVED BY- DHT
TIME RECEIVED- 0945 DELIVERED BY- COURIER

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	DET. LIMIT
LEAD,TOTAL 3030C DIGESTION	200.7	04/18/97	BDL	04/21/97	BDL	0.011	mg/l	0.010

LABORATORY DIRECTOR

P.O. BOX 18029 ASHEVILLE NC 28814-0029
704-254-5169 FAX: 704-252-9711 / TOLL FREE: 800-344-5759

HYDROLOGIC, INC.

FINAL REPORT OF ANALYSES

HYDROLOGIC MORRISVILLE
2500 GATEWAY CENTRE BOULV
SUITE 900
MORRISVILLE, NC 27560-
Attn: LISA SNIPES

PROJECT NAME: PYRAMID 96090
REPORT DATE: 04/22/97

SAMPLE NUMBER- 101539 SAMPLE ID- GATE CITY MW-4 SAMPLE MATRIX- WW
DATE SAMPLED- 04/15/97 TIME SAMPLED- 1635
DATE RECEIVED- 04/17/97 SAMPLER- WT/JM RECEIVED BY- DHT
TIME RECEIVED- 0945 DELIVERED BY- COURIER

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	DET. LIMIT
LEAD,TOTAL 3030C DIGESTION	200.7	04/18/97	BDL	04/21/97	BDL	< 0.010	mg/l	0.010

LABORATORY DIRECTOR

P.O. BOX 18029 ASHEVILLE NC 28814-0029
704-254-5169 FAX: 704-252-9711 / TOLL FREE: 800-344-5759

HYDROLOGIC, INC.

FINAL REPORT OF ANALYSES

HYDROLOGIC MORRISVILLE
2500 GATEWAY CENTRE BOULV
SUITE 900
MORRISVILLE, NC 27560-
Attn: LISA SNIPES

PROJECT NAME: PYRAMID 96090
REPORT DATE: 04/22/97

SAMPLE NUMBER- 101540 SAMPLE ID- GATE CITY MW-6 SAMPLE MATRIX- WW
DATE SAMPLED- 04/15/97 TIME SAMPLED- 1630
DATE RECEIVED- 04/17/97 SAMPLER- WT/JM RECEIVED BY- DHT
TIME RECEIVED- 0945 DELIVERED BY- COURIER

ANALYSIS		METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	DET. LIMIT
LEAD,TOTAL	3030C DIGESTION	200.7	04/18/97	BDL	04/21/97	BDL	< 0.010	mg/l	0.010

LABORATORY DIRECTOR

P.O. BOX 18029 ASHEVILLE NC 28814-0029
704-254-5169 FAX: 704-252-9711 / TOLL FREE: 800-344-5759

HYDROLOGIC, INC.

FINAL REPORT OF ANALYSES

HYDROLOGIC MORRISVILLE
2500 GATEWAY CENTRE BOULV
SUITE 900
MORRISVILLE, NC 27560-
Attn: LISA SNIPES

PROJECT NAME: PYRAMID 96090
REPORT DATE: 04/22/97

SAMPLE NUMBER- 101541 SAMPLE ID- GATE CITY MW-7 SAMPLE MATRIX- WW
DATE SAMPLED- 04/15/97 TIME SAMPLED- 1610
DATE RECEIVED- 04/17/97 SAMPLER- WT/JM RECEIVED BY- DHT
TIME RECEIVED- 0945 DELIVERED BY- COURIER

ANALYSIS		METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	DET. LIMIT
LEAD,TOTAL	3030C DIGESTION	200.7	04/18/97	BDL	04/21/97	BDL	< 0.010	mg/l	0.010

LABORATORY DIRECTOR _____

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HYDROLOGIC, INC.

FINAL REPORT OF ANALYSES

HYDROLOGIC MORRISVILLE
2500 GATEWAY CENTRE BOULV
SUITE 900
MORRISVILLE, NC 27560-
Attn: LISA SNIPES

PROJECT NAME: PYRAMID 96090
REPORT DATE: 04/22/97

SAMPLE NUMBER- 101542 SAMPLE ID- GATE CITY VEW-1 SAMPLE MATRIX- WW
DATE SAMPLED- 04/15/97 TIME SAMPLED- 1540
DATE RECEIVED- 04/17/97 SAMPLER- WT/JM RECEIVED BY- DHT
TIME RECEIVED- 0945 DELIVERED BY- COURIER

ANALYSIS		METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	DET. LIMIT
LEAD,TOTAL	3030C DIGESTION	200.7	04/18/97	BDL	04/21/97	BDL	< 0.010	mg/l	0.010

LABORATORY DIRECTOR

P.O. BOX 18029 ASHEVILLE NC 28814-0029
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APPENDIX II

Chains of Custody

Chain of Custody Record

HYDROLOGIC, INC.

97-0750 Page 2 of

☐ 122 Lyman Street, Asheville, NC 28801, (704)254-5169, FAX (704) 252-9711
☐ 410 New Salem Highway #106, Murfreesboro, TN 37129, (615) 848-6810, FAX (615) 848-6805
☐ 1491 Twilight Trail, Frankfort, KY 40601, (502) 223-0251, FAX (502) 875-8016
☐ 2003 North Pine Street, Lumberton, NC 28358, (910) 738-6190, FAX (910) 671-8837
☐ 263 Branchview Drive SE, Concord, NC 28025, (704) 786-3322, FAX (704) 786-2999
☒ 2500 Gateway Centre, Morrisville, NC 27560, (919) 380-9699, FAX (919) 380-9717
☐ 4875 Riverside Drive, Macon, GA 31210, (912) 757-0811, FAX (912) 757-0149
☐ 2082 Trade Ctr Way #1, Naples, FL 33942, (813) 597-6059, FAX (813) 597-7056

Client: Pyramid Environmental 96090 (Gate City)
Report Address: 2706 Pinedale Road, Greensboro, NC 27408
Attn:
Phone No.: (910) 282-9030
Fax No.: (910) 282-9032

Project No.:
Invoice Address:
Attn:
Sampled By: WT + JM
P.O. No:

TURNAROUND TIME
☐ 24 Hours ☐ 48 Hours Date Needed: STD 4/24
☐ 5 Days ☐ 10 Days ☐ Other

REQUESTED PARAMETERS

LAB CODE I.D.
(A) = Asheville, NC
C = Concord, NC
D = Denver, CO
G = Macon, GA
(K) = Frankfort, KY
L = Lumberton, NC
M = Morrisville, NC
N = Naples, FL
S = Subcontracted
T = Murfreesboro, TN

K97083462 (m)

Sample ID	Date	Time	Comp/Grab	Matrix	Preserv.	Containers	601+602	3030c (Lead)	610								REMARKS
MW-6	4-15-97	4:30pm	G	H_2O	HCL	3	✓										
"	↓	↓	↓	↓	HNO_3	1		✓									
"	↓	↓	↓	↓	None	1			✓								
MW-7	↓	4:10pm	↓	↓	HCL	3	✓										
"	↓	↓	↓	↓	HNO_3	1		✓									
"	↓	↓	↓	↓	None	1			✓								
VEW-1	↓	3:40pm	↓	↓	HCL	3	✓										
"	↓	↓	↓	↓	HNO_3	1		✓									
"	↓	↓	↓	↓	None	1			✓								
							K	A	K								

Lab Use Only — Custody Seal: ☐ Yes ☐ No ☐ N/A

Init Lab Temp: recd on ice — Rec. Lab Temp: 299 7812 203

COMMENTS:

	Date	Time		Date	Time
Relinquished By: Walter R. Turner	4-16-97	9:15am	Received By: Cat Sweatman	4/16/97	9:15
Relinquished By: CWS	4/16/97	1800	Received By: [signature]	4/17/97	18
Relinquished By:			Received By:		
Relinquished By:			Received By:		

State Samples Collected:
Lab Use Only

HYDROLOGIC, INC.

Chain of Custody Record

Page 1 of

☐ 122 Lyman Street, Asheville, NC 28801, (704)254-5169, FAX (704) 252-9711
☐ 410 New Salem Highway #106, Murfreesboro, TN 37129, (615) 848-6810, FAX (615) 848-6805
☐ 1491 Twilight Trail, Frankfort, KY 40601, (502) 223-0251, FAX (502) 875-8016
☐ 2003 North Pine Street, Lumberton, NC 28358, (910) 738-6190, FAX (910) 671-8837
☐ 263 Branchview Drive SE, Concord, NC 28025, (704) 786-3322, FAX (704) 786-2999
☒ 2500 Gateway Centre, Morrisville, NC 27560, (919) 380-9699, FAX (919) 380-9717
☐ 4875 Riverside Drive, Macon, GA 31210, (912) 757-0811, FAX (912) 757-0149
☐ 2082 Trade Ctr Way #10, Naples, FL 33942, (813) 597-6059, FAX (813) 597-7056

Client: Pyramid Environmental (Gate City)
Project: 160940
Report Address: 2300 Pinedale Road, Greensboro, NC 27408
Invoice Address:
Attn:
Attn:
Phone No.: (910) 282-9030
Fax No.: (910) 282-9032
Sampled By: WT + JM
P.O. No:

REC 97-0750

TURNAROUND TIME
☐ 24 Hours ☐ 48 Hours Date Needed: STD 4/24
☐ 5 Days ☐ 10 Days ☐ Other

LAB CODE I.D.
Asheville, NC
Concord, NC
Denver, CO
= Macon,GA
K = Frankfort, KY
L = Lumberton, NC
M = Morrisville, NC
N = Naples, FL
S = Subcontracted
T = Murfreesboro, TN

K97083166(M)

Sample ID	Date	Time	Comp/ Grab	Matrix	Preserv.	Containers	601+602	3030c (Lead)	610								REMARKS
MW-2	4-15-97	4:15pm	G	H_2O	HCL	3	✓										
"					HNO_3	1		✓									
"					None	1			✓								
MW-3		4pm			HCL	3	✓										
"					HNO_3	1		✓									
"					None	1			✓								
MW-4		4:35pm			HCL	3	✓										
"					HNO_3	1		✓									
"					None	1			✓								
Lab Use Only			Custody Seal: ☐Yes ☐No ☐N/A				K	A	K							Init Lab Temp.	Rec Lab Temp.

COMMENTS:

Relinquished By:	Date	Time	Received By:	Date	Time	State Samples Collected:
Nathan R. Turner	4-16-97	9:15 am	[illegible]	4/16/97	9:15a	
Relinquished By:	4/16/97	1800	Received By:	4/17	9:17	Lab Use Only:
Relinquished By:	Date	Time	Received By:	Date	Time	
Relinquished By:	Date	Time	Received By:	Date	Time	

APPENDIX III

Field Data Sheets

PYRAMID ENVIRONMENTAL, INC.

Environmental Consultants

~~could~~ couldn't find well → there was a manhole on pump island → may be the well's manhole → well destroyed

GROUNDWATER SAMPLING FIELD DATA

Location Gate City

Date 4-15-97

Source/Well MW-1B

Time _____ to _____

Sampled by _____

Weather _____

GROUNDWATER ELEVATION

1) Depth to water from measuring point _____ ft.

2) Depth to well bottom from measuring point _____ ft.

3) Height of water column _____ ft.

4) Measuring point description _____

WELL PURGING AND SAMPLE COLLECTION

1) Volume of water in well
   a) 2" well....(v = 0.163 x h)
   b) 4" well....(v = 0.651 x h) _____ gal.

2) Volume of water removed prior to sampling _____ gal.

3) Was well pumped DRY? (circle one) YES NO

FIELD ANALYSIS

1) Temperature _____

2) Specific Conductance _____

3) pH _____

4) Physical Appearance and Odor _____

PYRAMID ENVIRONMENTAL, INC.
Environmental Consultants

GROUNDWATER SAMPLING FIELD DATA

Location Gate City

Source/Well MW-2

Sampled by _____

Date 4-15-97

Time 4:00 to 4:15

Weather _____

GROUNDWATER ELEVATION

1) Depth to water from measuring point 6.21 ft.

2) Depth to well bottom from measuring point 14.15 ft.

3) Height of water column 7.94 ft.

4) Measuring point description TOC

WELL PURGING AND SAMPLE COLLECTION

1-1L
1-500mL

1) Volume of water in well
   a) 2" well....(v = 0.163 x h)
   b) 4" well....(v = 0.651 x h)
   3.8 gal.

2) Volume of water removed prior to sampling _____ gal.

3) Was well pumped DRY? (circle one) YES (NO)

- pumped @ 3 gal. & sampled

FIELD ANALYSIS

1) Temperature _____

2) Specific Conductance _____

3) pH _____

4) Physical Appearance and Odor silty tan; pet. odor

PYRAMID ENVIRONMENTAL, INC.
Environmental Consultants

GROUNDWATER SAMPLING FIELD DATA

Location Gate City

Source/Well MW-3

Sampled by _____

Date 4-15-97

Time _____ to 1100

Weather _____

GROUNDWATER ELEVATION

1) Depth to water from measuring point 5.85 ft.

2) Depth to well bottom from measuring point 13.97 ft.

3) Height of water column 8.12 ft.

4) Measuring point description TOC

WELL PURGING AND SAMPLE COLLECTION

1) Volume of water in well
   a) 2" well....(v = 0.163 x h)
   b) 4" well....(v = 0.651 x h)
   3.9 gal.

2) Volume of water removed prior to sampling _____ gal.

3) Was well pumped DRY? (circle one) YES (NO)

FIELD ANALYSIS

1) Temperature _____

2) Specific Conductance _____

3) pH _____

4) Physical Appearance and Odor silty fair, very minor smell

PYRAMID ENVIRONMENTAL, INC.
Environmental Consultants

GROUNDWATER SAMPLING FIELD DATA

Location Gate City

Source/Well MW-4

Sampled by _____

Date 8-15-97

Time 4:20 to 4:35

Weather _____

GROUNDWATER ELEVATION

1) Depth to water from measuring point 6.94 ft.

2) Depth to well bottom from measuring point 14.05 ft.

3) Height of water column 7.11 ft.

4) Measuring point description TOC

WELL PURGING AND SAMPLE COLLECTION

1) Volume of water in well
   a) 2" well....(v = 0.163 x h)
   b) 4" well....(v = 0.651 x h)
   3.5 gal.

2) Volume of water removed prior to sampling _____ gal.

3) Was well pumped DRY? (circle one) YES (NO)

FIELD ANALYSIS

1) Temperature _____

2) Specific Conductance _____

3) pH _____

4) Physical Appearance and Odor _____

Water was brown but no odor

PYRAMID ENVIRONMENTAL, INC.
Environmental Consultants

GROUNDWATER SAMPLING FIELD DATA

Location Gate City

Source/Well MW-6

Sampled by _____

Date 4-15-97

Time 4:20 to 4:30

Weather _____

GROUNDWATER ELEVATION

1) Depth to water from measuring point 7.23 ft.

2) Depth to well bottom from measuring point 13.95 ft.

3) Height of water column 6.72 ft.

4) Measuring point description TOC

WELL PURGING AND SAMPLE COLLECTION

1) Volume of water in well
   a) 2" well....(v = 0.163 x h)
   b) 4" well....(v = 0.651 x h)
   3.3 gal.

2) Volume of water removed prior to sampling _____ gal.

3) Was well pumped DRY? (circle one) (YES) NO after 2.5 gal

FIELD ANALYSIS

1) Temperature _____

2) Specific Conductance _____

3) pH _____

4) Physical Appearance and Odor silty tan, no odor

PYRAMID ENVIRONMENTAL, INC.
Environmental Consultants

GROUNDWATER SAMPLING FIELD DATA

Location Gate City

Source/Well MW-7

Sampled by _____

Date 4-15-97

Time 1 pm to 4:10 pm

Weather _____

GROUNDWATER ELEVATION

1) Depth to water from measuring point 4.65 ft.

2) Depth to well bottom from measuring point 19.62 ft.

3) Height of water column 14.97 ft.

4) Measuring point description TOC

WELL PURGING AND SAMPLE COLLECTION

1) Volume of water in well
   a) 2" well....(v = 0.163 x h)
   b) 4" well....(v = 0.651 x h) 7.3 gal.

2) Volume of water removed prior to sampling _____ gal.

3) Was well pumped DRY? (circle one) YES (NO)

FIELD ANALYSIS

1) Temperature _____

2) Specific Conductance _____

3) pH _____

4) Physical Appearance and Odor _____

Odor of gas, especially in beginning of water removed.

PYRAMID ENVIRONMENTAL, INC.

Environmental Consultants

-truck parked over well

GROUNDWATER SAMPLING FIELD DATA

Location Gate City

Source/Well MW-8

Sampled by _____

Date 4-15-97

Time _____ to _____

Weather _____

GROUNDWATER ELEVATION

1) Depth to water from measuring point _____ ft.

2) Depth to well bottom from measuring point _____ ft.

3) Height of water column _____ ft.

4) Measuring point description _____

WELL PURGING AND SAMPLE COLLECTION

1) Volume of water in well
   a) 2" well....(v = 0.163 x h)
   b) 4" well....(v = 0.651 x h) _____ gal.

2) Volume of water removed prior to sampling _____ gal.

3) Was well pumped DRY? (circle one) YES NO

FIELD ANALYSIS

1) Temperature _____

2) Specific Conductance _____

3) pH _____

4) Physical Appearance and Odor _____

PYRAMID ENVIRONMENTAL, INC.
Environmental Consultants

GROUNDWATER SAMPLING FIELD DATA

Location Gate City

Source/Well VEW-1

Sampled by _____

Date 4-15-97

Time 3:25 to 3:40

Weather _____

GROUNDWATER ELEVATION

1) Depth to water from measuring point 7.00 ft.

2) Depth to well bottom from measuring point 61.08 ft.

3) Height of water column 54.08 ft.

4) Measuring point description TOC

WELL PURGING AND SAMPLE COLLECTION

1) Volume of water in well
   a) 2" well....(v = 0.163 x h)
   b) 4" well....(v = 0.651 x h) 26.4 gal.

2) Volume of water removed prior to sampling _____ gal.

3) Was well pumped DRY? (circle one) YES (NO)

- pumped @ 22 gallons from well & sampled

FIELD ANALYSIS

1) Temperature _____

2) Specific Conductance _____

3) pH _____

4) Physical Appearance and Odor silty tan; no odor