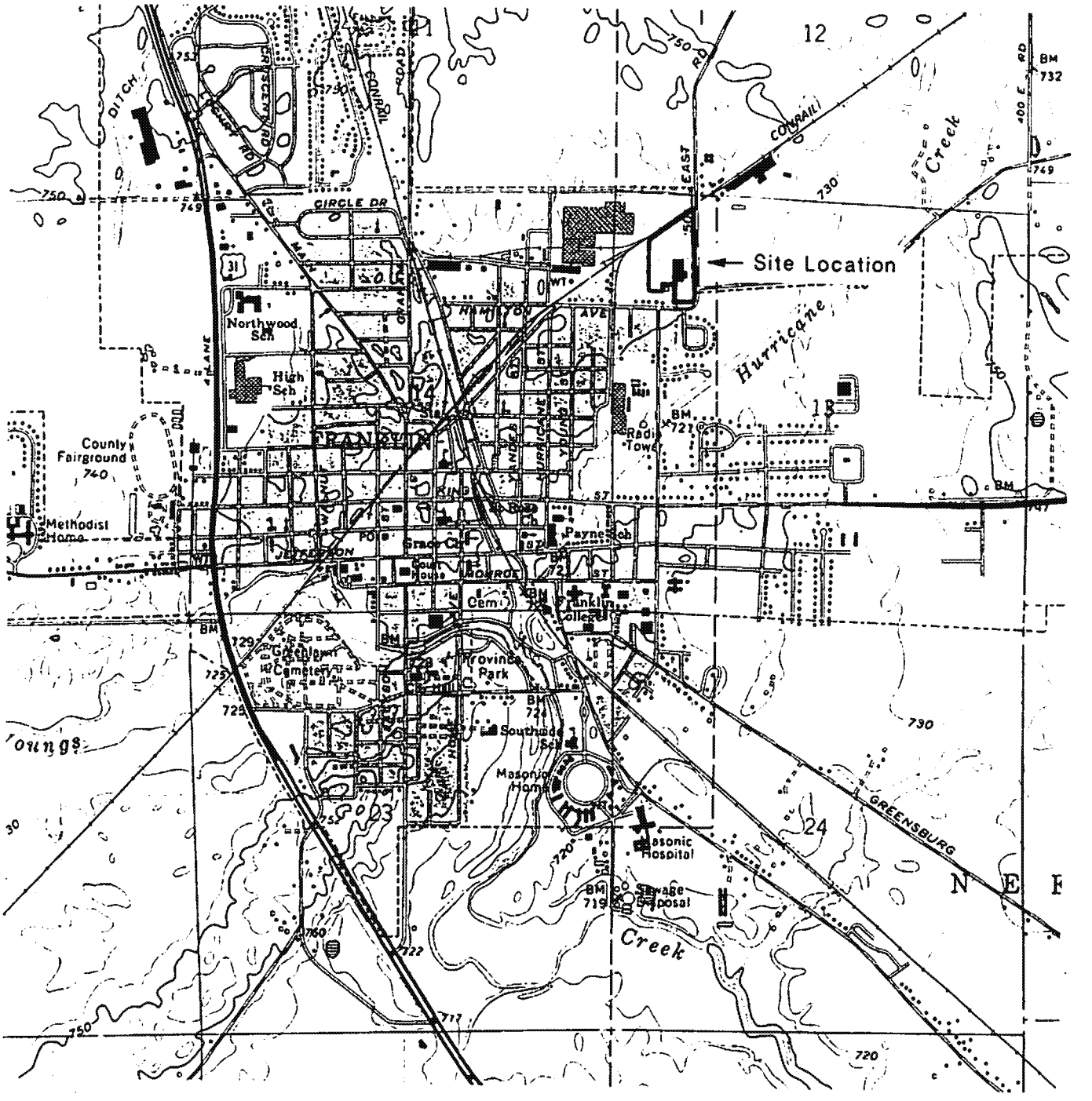

Base taken from USGS Franklin, Ind. 7.5' topographic quadrangle

N

0 2000 feet

Scale

Figure 1

Site Location Map

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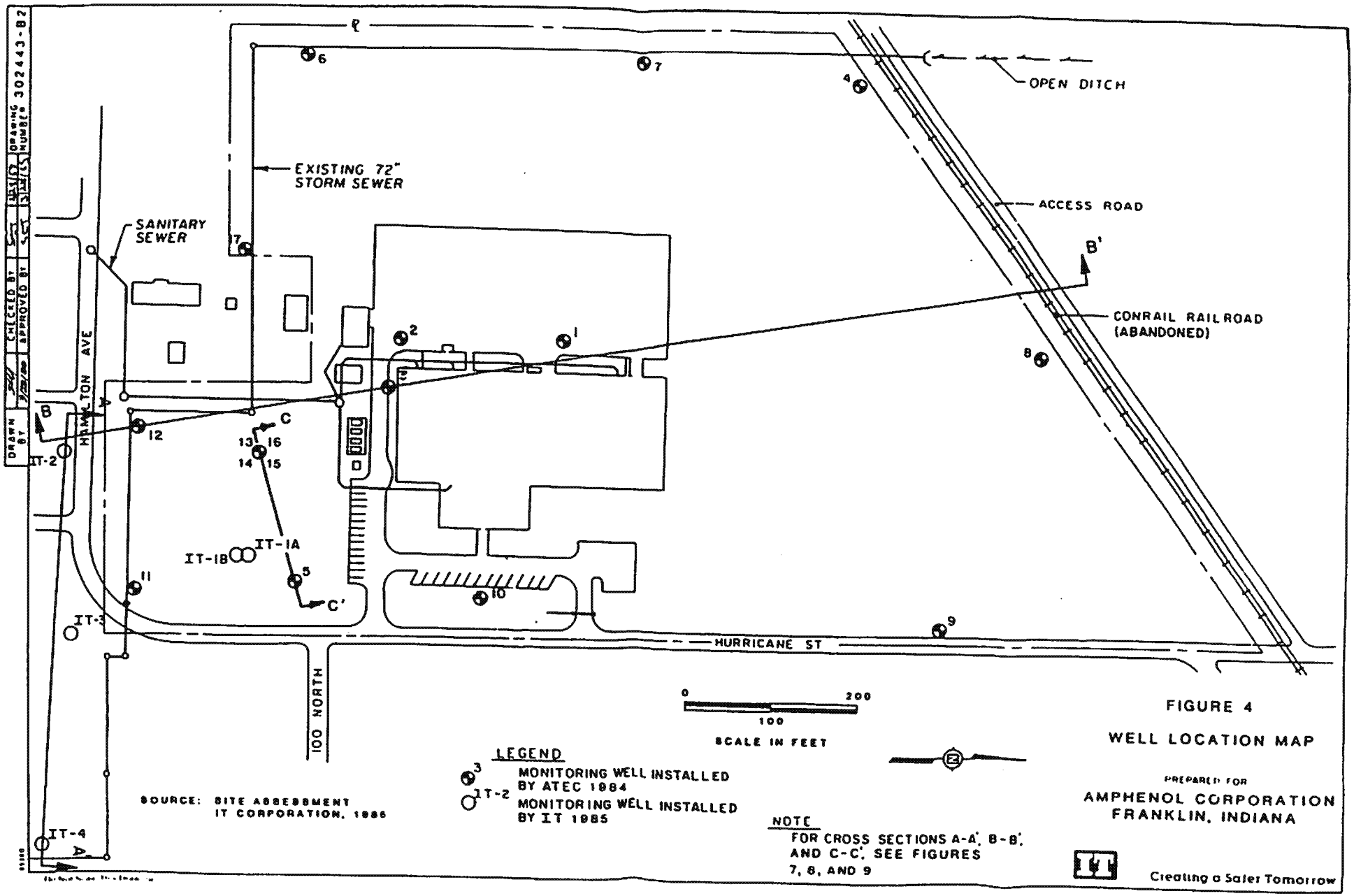


Figure 2. Site map showing locations of 1984-1985 monitoring wells (modified from IT, 1988).

EPA-R5-2019-007302_ED_003011_00003260

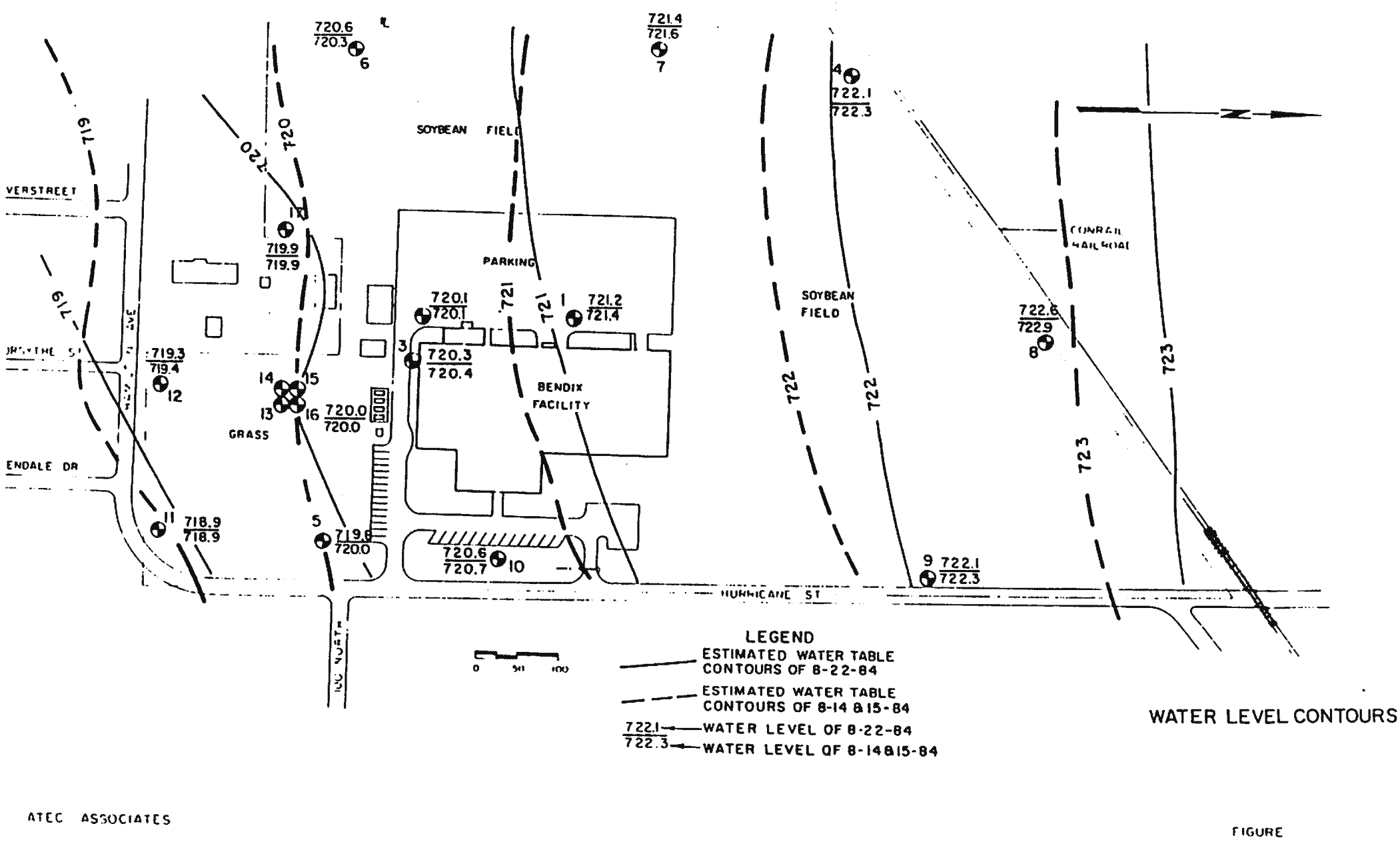


Figure 3. Unit B potentiometric contour map. August. 1984 (modified from ATEC. 1984b).

EPA-R5-2019-007302_ED_003011_00003260

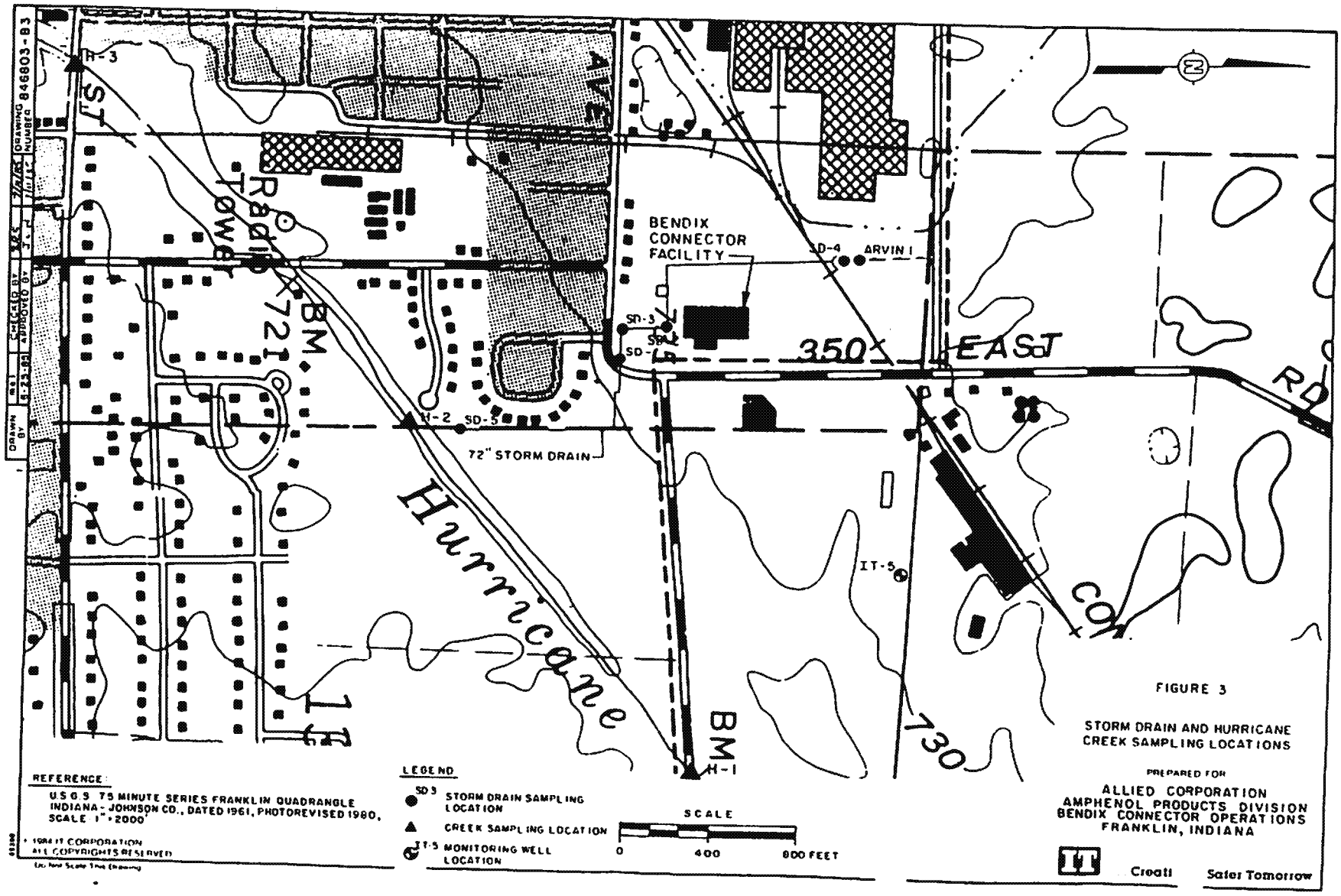


Figure 4. Map showing locations of monitoring well IT-5, and storm sewer and surface water sampling points, February - March, 1985 (modified from IT, 1985).

EPA-R5-2019-007302_ED_003011_00003260

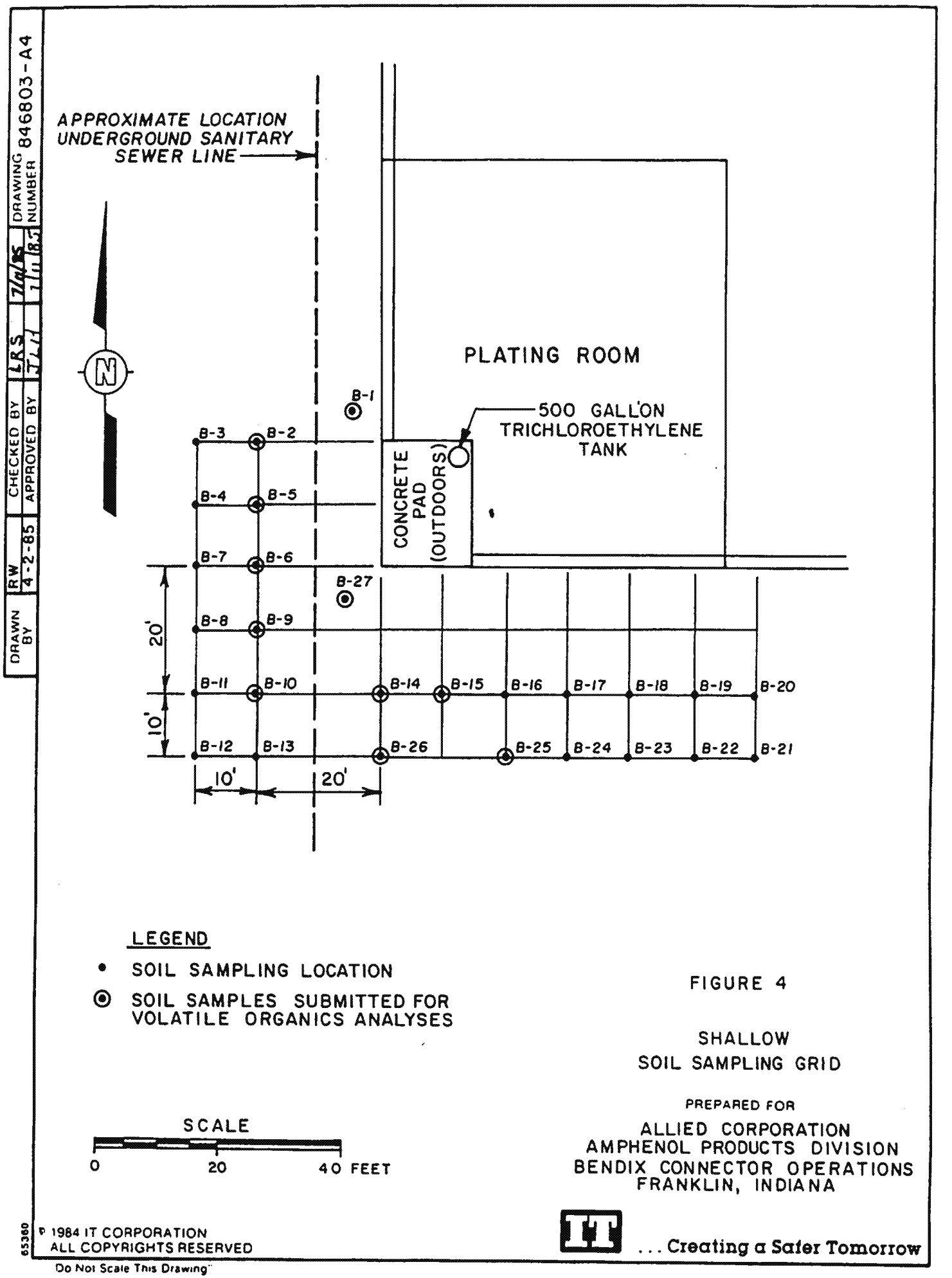


Figure 5. Map showing locations of soil borings installed during 1985 plating room investigation (modified from IT, 1985)

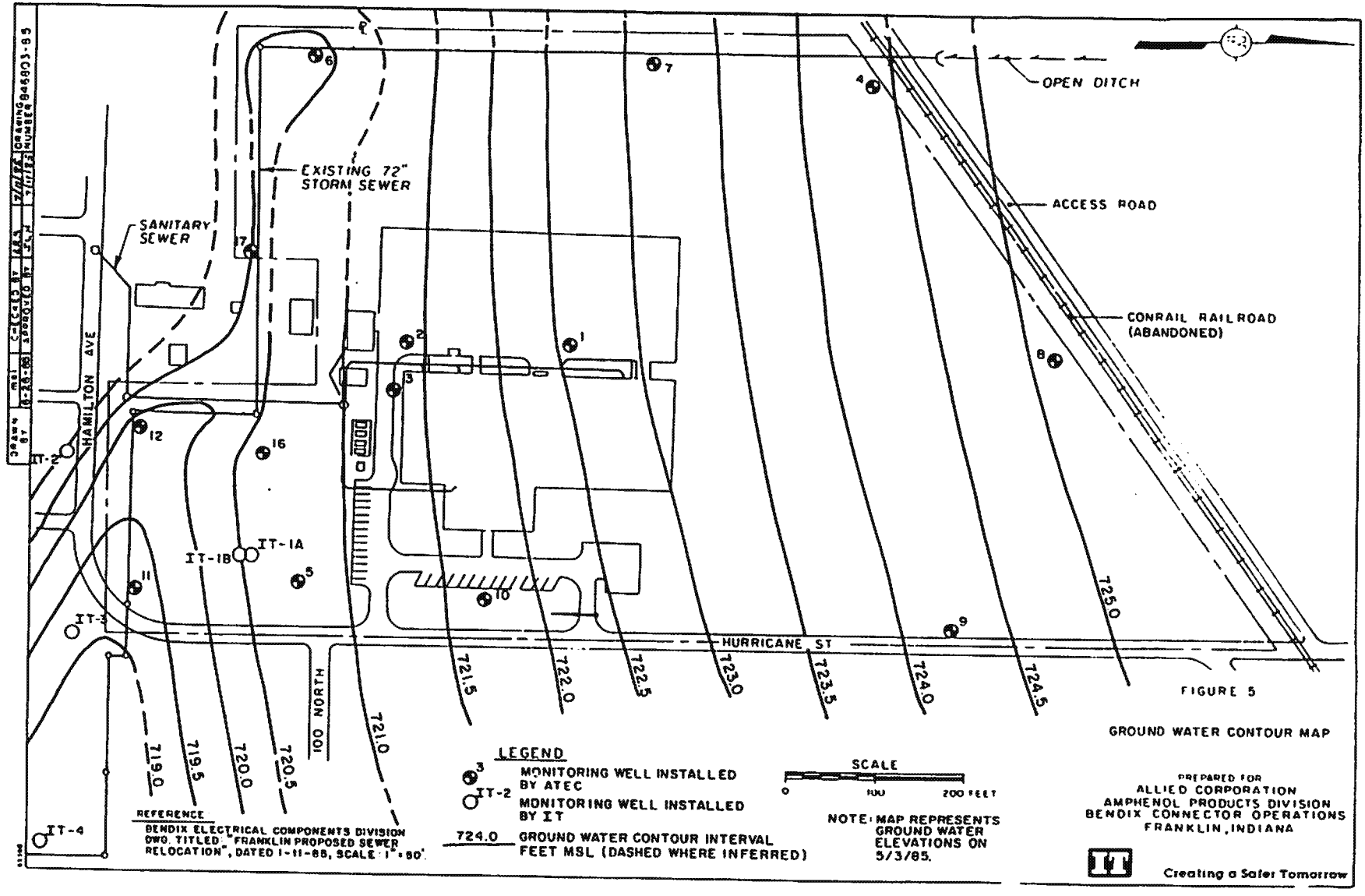


Figure 6. Unit B potentiometric contour map May 1985 (modified from IT, 1985).

EPA-R5-2019-007302_ED_003011_00003260

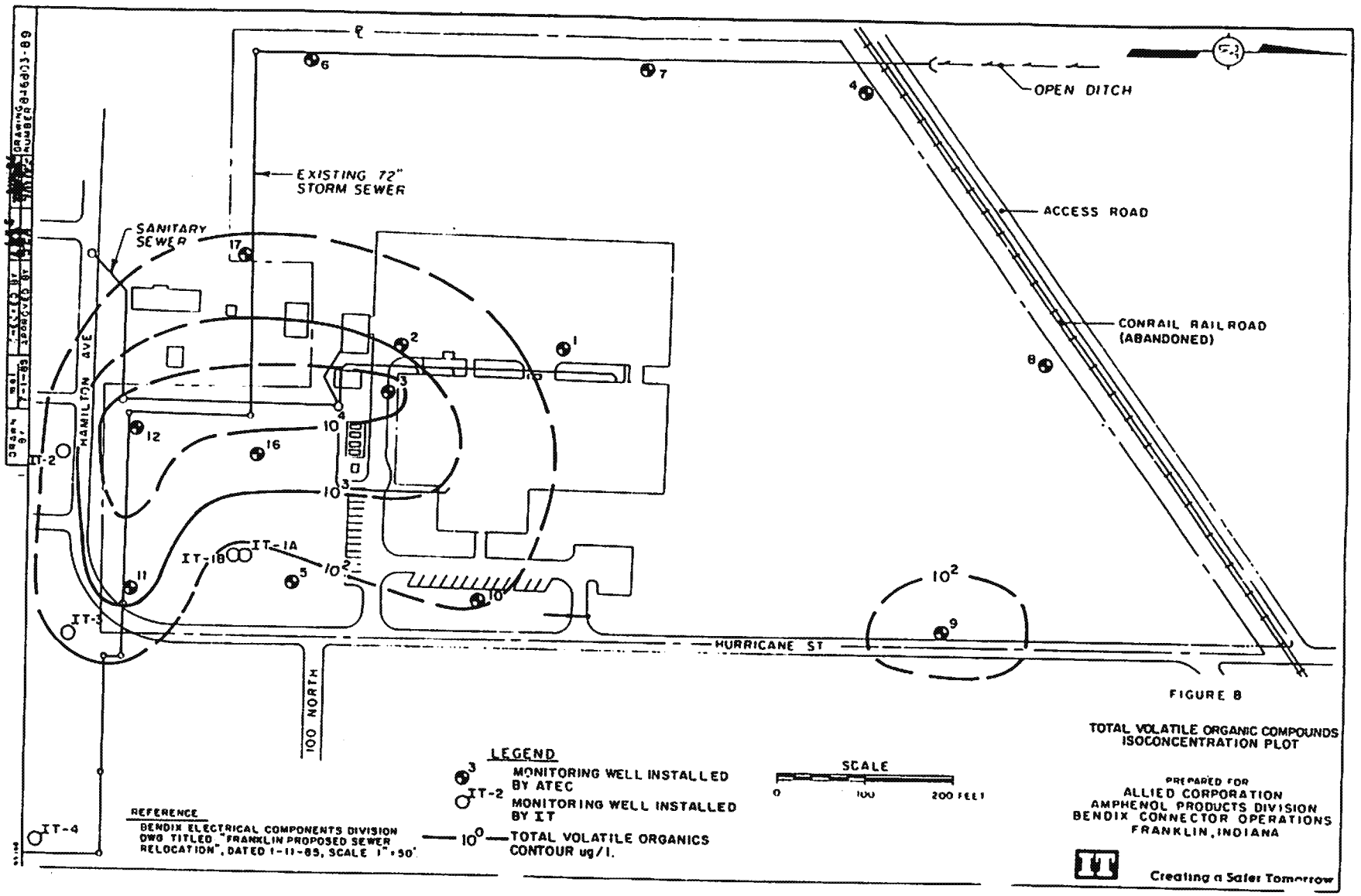


Figure 7. Isoconcentration map of VOCs in ground water, 1985 data (modified from IT.1985).

EPA-R5-2019-007302_ED_003011_00003260

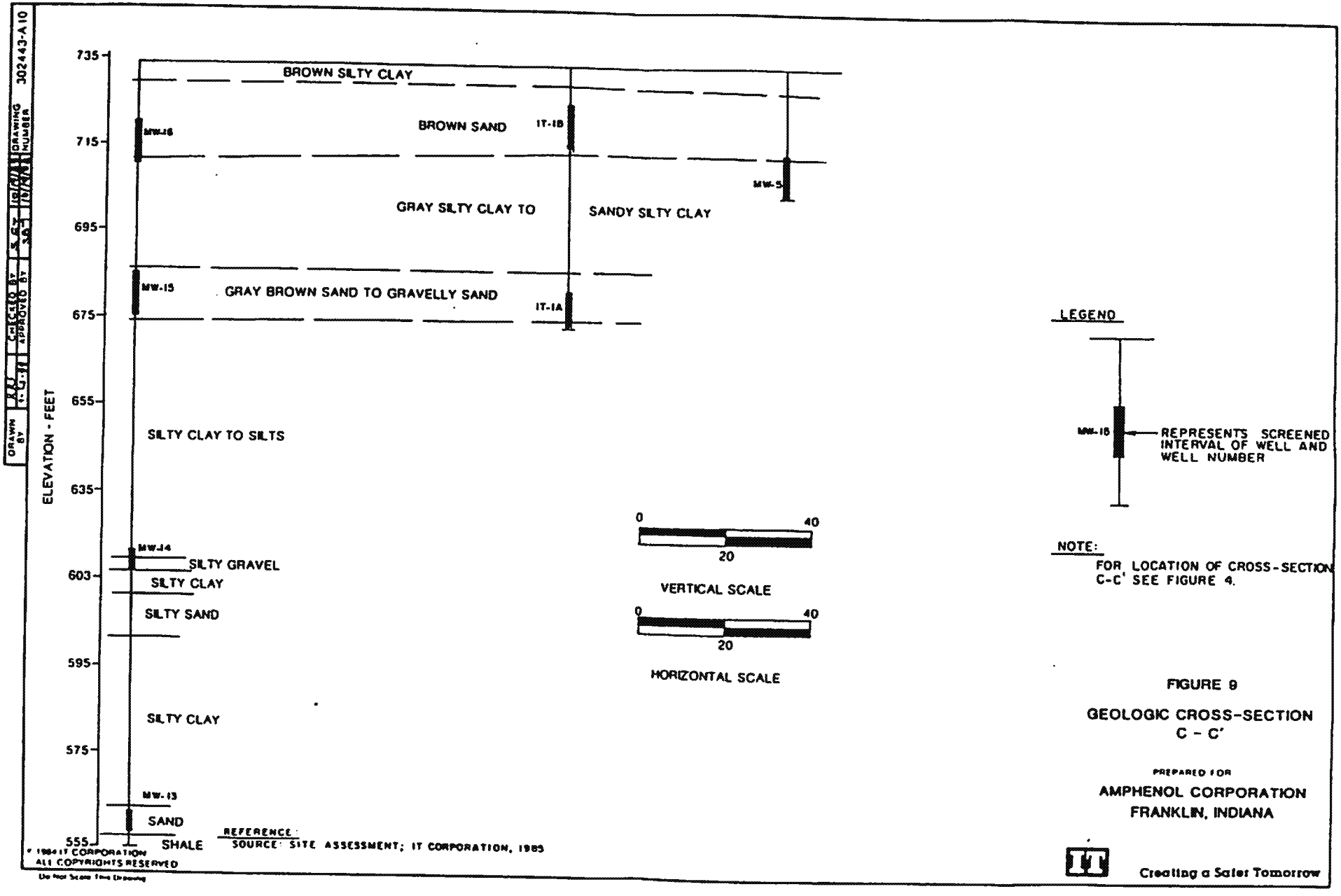
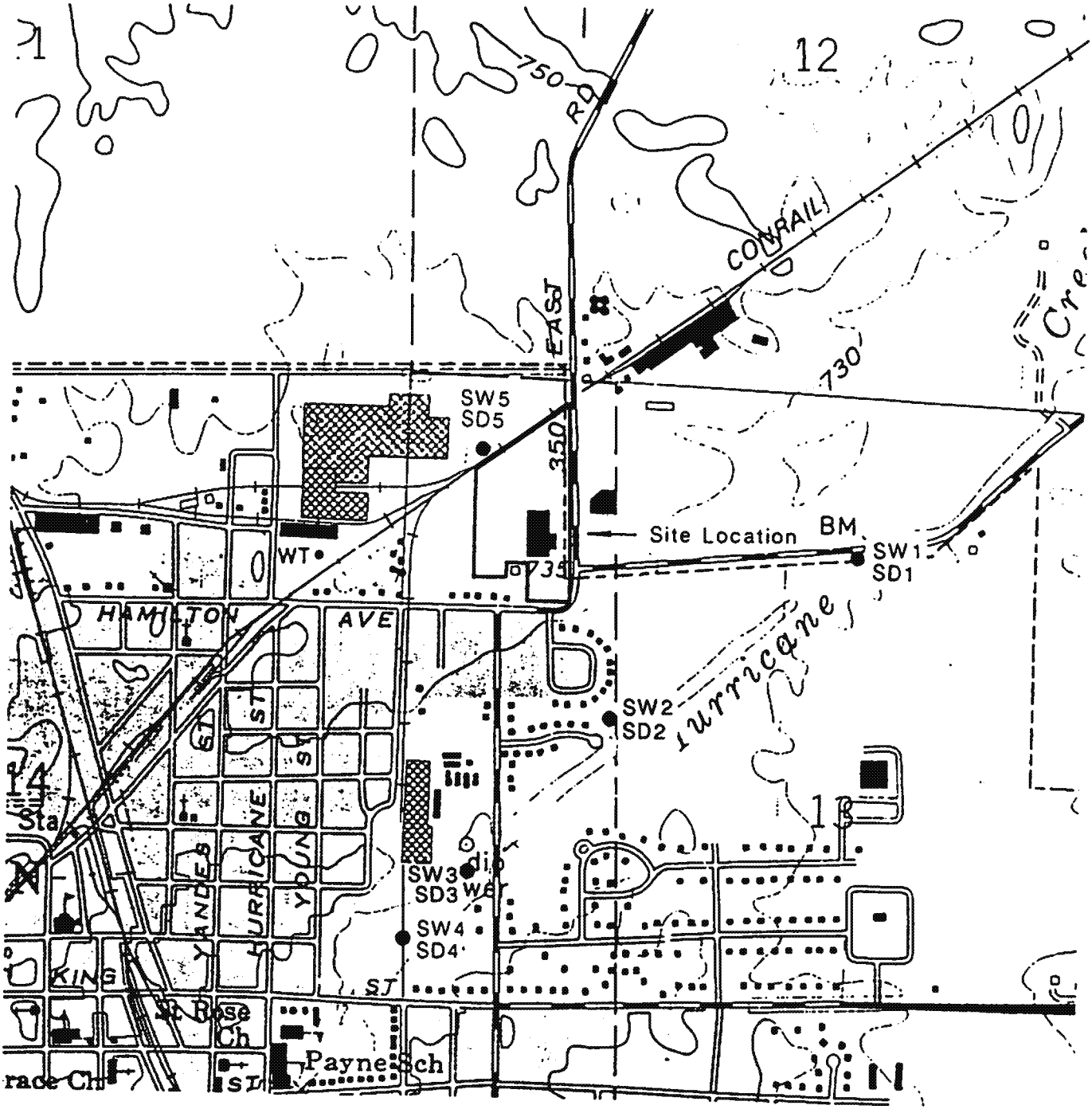


Figure 8. Geologic cross section based on 1984-1985 soil boring data (modified from IT. 1985).

EPA-R5-2019-007302_ED_003011_00003260



Base modified from USGS Franklin, Ind. 7.5' topographic quadrangle

● Sampling Point

Figure 9

RFI surface water/sediment sampling location map.

N

0 1000 feet

Scale

Revised 5/24/91

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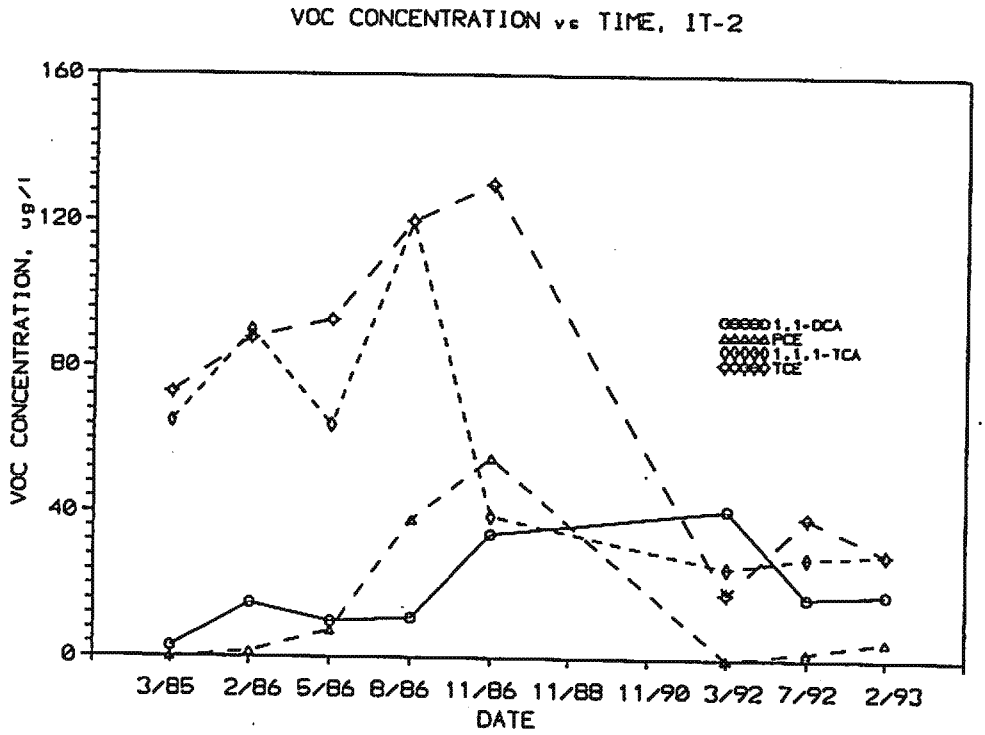

Figure 14a. Plot of VOC concentrations vs time for monitoring well IT-2.

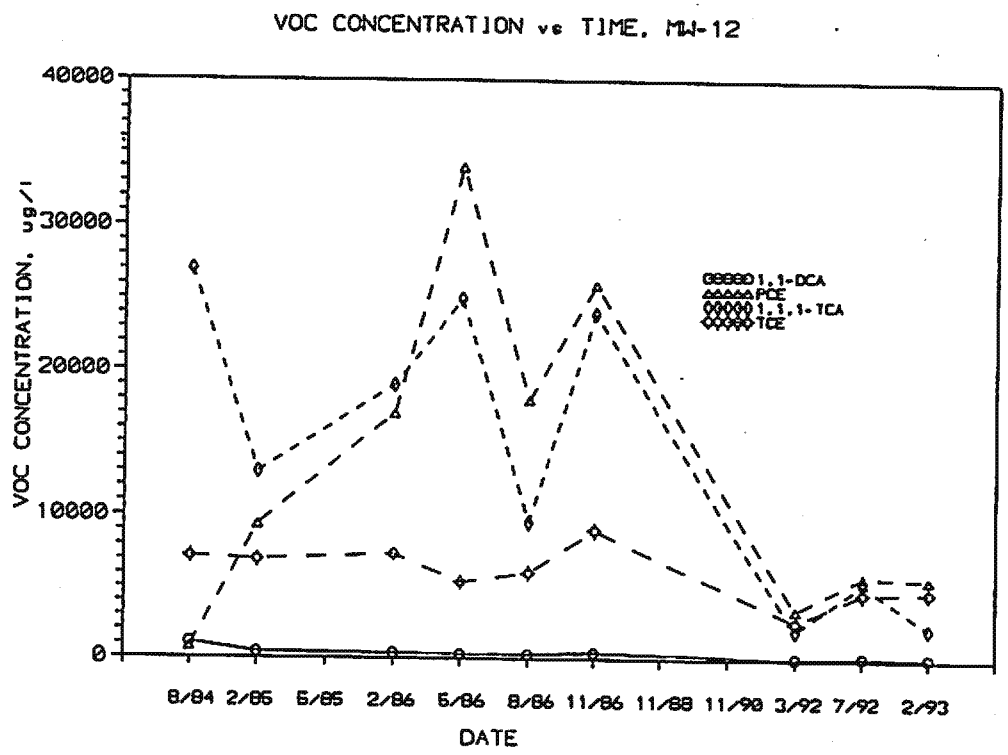

Figure 14b. Plot of VOC concentrations vs time for monitoring well MW-12.

Table 1. Water Elevation Data.

WELL NUMBER	STATIC WATER LEVEL (elev, feet MSL) 25-Mar 1992	02-Jun 1992	23-Jul 1992	07-Jan 1993	02-Feb 1993	16-Feb 1993	LITHO-STRATIGRAPHIC UNIT
IT-1A	718.27	717.47	717.29	720.10	720.58	720.76	D
IT-2	718.95	719.52	719.75	ND	719.95	719.78	B
IT-3	718.45	718.69	718.90	ND	718.92	716.96	B
MW-3	719.47	720.40	720.68	720.67	721.09	720.88	B
MW-9	720.28	721.57	721.87	ND	722.57	722.41	B
MW-12	718.99	719.62	719.87	ND	720.03	719.89	B
MW-20	721.14	722.52	722.80	ND	723.28	723.04	B
MW-21	719.44	720.31	720.62	720.60	721.03	720.81	B
MW-22	719.25	720.08	720.32	720.31	720.61	720.43	B
MW-23	718.28	717.51	717.33	720.05	720.61	720.73	D
MW-24	719.12	719.80	720.00	720.06	720.45	720.21	B
MW-25	718.14	717.35	717.16	720.08	720.48	720.62	D
MW-26	720.31	721.57	721.89	722.01	722.39	722.21	B
MW-27					721.19	720.96	B
MW-28					720.93	720.71	B
MW-29					720.78	720.53	B
MW-30					719.50	719.36	B
N Storm Sewer MH	719.71	719.71	ND	ND	ND	ND	NA
S Storm Sewer MH	719.18	719.15	ND	ND	ND	ND	NA
E Storm Sewer MH	ND	718.00	ND	ND	ND	ND	NA

T.O.C.=Top of Casing

NA=Not Applicable

ATEC=ATEC Associates, Indianapolis, IN

IT=IT Corporation, Pittsburgh, PA

WWES=WW Engineering & Science, Bloomington, IN

MW-27 through MW-30 installed January 13-15, 1993.

ND=not determined

D=decommissioned

U=not used in the RFI

BL/mke/JDB/b:/Curtis/7026.00/Table3.wk1

Table 2. Soil Samples Selected for Chemical Analyses.

SOIL BORING	SAMPLE DEPTH	SAMPLE NUMBER	COLLECTION METHOD
SB-01	8.0-10.0	FCR-SB-SB01-10.0-01	Hand Auger
	10.0-12.0	FCR-SB-SB01-12.0-01	Hand Auger
SB-02	8.0-10.0	FCR-SB-SB02-10.0-01	Hand Auger
SB-03	4.0- 6.0	FCR-SB-SB03-6.0-01	HSA/3" Split Spoon
	8.0-10.0	FCR-SB-SB03-10.0-01	HSA/3" Split Spoon
SB-04	4.0- 6.0	FCR-SB-SB04-6.0-01	HSA/3" Split Spoon
	8.0-10.0	FCR-SB-SB04-10.0-01	HSA/3" Split Spoon
SB-05	0.0- 2.0	FCR-SB-SB05-2.0-01	HSA/3" Split Spoon
.SB-06	6.0- 8.0	FCR-SB-SB06-8.0-01	HSA/3" Split Spoon
	15.0-17.0	FCR-SB-SB06-17.0-01	HSA/3" Split Spoon
SB-07	6.0- 8.0	FCR-SB-SB07-8.0-01	HSA/3" Split Spoon
	16.0-18.0	FCR-SB-SB07-18.0-01	HSA/3" Split Spoon
SB-08	0.0- 2.0	FCR-SB-SB08-2.0-01	HSA/3" Split Spoon
	17.0-19.0	FCR-SB-SB08-19.0-01	HSA/3" Split Spoon
SB-09	10.0-12.0	FCR-SB-SB09-12.0-01	HSA/3" Split Spoon
	16.0-18.0	FCR-SB-SB09-16.0-01	HSA/3" Split Spoon
MW-20	4.0- 6.0	FCR-SB-MW20-6.0-01	HSA/3" Split Spoon
	10.0-12.0	FCR-SB-MW20-12.0-01	HSA/3" Split Spoon
MW-21	10.0-12.0	FCR-SB-MW21-12.0-01	HSA/3" Split Spoon
	16.0-18.0	FCR-SB-MW21-18.0-01	HSA/3" Split Spoon
MW-22	8.0-10.0	FCR-SB-MW22-10.0-01	HSA/3" Split Spoon
	17.0-19.0	FCR-SB-MW22-19.0-01	HSA/3" Split Spoon
MW-22A	0.0- 2.0	FCR-SB-MW22A-2.0-01	HSA/3" Split Spoon
MW-22	8.0-10.0	FCR-SB-MW22-10.0-01	HSA/3" Split Spoon
	17.0-19.0	FCR-SB-MW22-19.0-01	HSA/3" Split Spoon
MW-23	19.5-21.5	FCR-SB-MW23-21.5-01	HSA/3" Split Spoon
MW-24	4.0- 6.0	FCR-SB-MW24-6.0-01	HSA/3" Split Spoon
	13.0-15.0	FCR-SB-MW23-15.0-01	HSA/3" Split Spoon
MW-25	8.0-10.0	FCR-SB-MW25-10.0-01	HSA/3" Split Spoon
	33.0-35.0	FCR-SB-MW25-35.0-01	HSA/3" Split Spoon
MW-26	4.0- 6.0	FCR-SB-MW26-6.0-01	HSA/3" Split Spoon
	10.0-12.0	FCR-SB-MW26-12.0-01	HSA/3" Split Spoon
MW-27	13.0-15.0	FCR-SB-MW27-15.0-03	HSA/3" Split Spoon
	21.0-23.0	FCR-SB-MW27-23.0-03	HSA/3" Split Spoon
PGP-15	9.0-11.0	FCR-SL-PGP15-11.0-04	Geoprobe

HSA=Hollow Stem Auger

JDB/SBSAMP.WK1

Table 3. RFI Soil Analytical Data.

	SB01-10.0	SB01-12.0	SB02-10.0	SB03-6.0	SB03-10.0
Inorganics (mg/kg)					
Aluminum	6,850*	1,860*	3,180*	18,200	6,130
Antimony	7.30UN	12.3BN	7.60UN	9.20B	7.30U
Arsenic	6.30	4.60	5.80	9.60NS	7.30NS
Barium	34B	8.60B	12.40B	113	29.60B
Beryllium	0.81B	1.10	1.10B	0.62B	0.45B
Cadmium	0.66U	0.63U	0.69U	0.72U	0.67U
Calcium	51,400E	101,000E	99,200E	1,980	19,300
Chromium	8.50	1.10U	1.80B	19.40	10.6
Cobalt	3.90B	2.70B	3.60B	9.30B	5.20B
Copper	516.0	1,970	65.10	12.70	14.80
Cyanide (amenable)	17.8	17.4	0.8	<0.5	<0.5
Cyanide (total)	21.6	20.5	0.94	<0.5	<0.5
Iron	11,700*	6,030*	8,460*	23,000	12,400
Lead	9.3S	5.10	5.90	17	11.90
Magnesium	13,200	30,000	29,100	3,120	11,900
Manganese	417*	225*	267.0*	554	574
Mercury	0.11U	0.11U	0.11U	0.12UN	0.11UN
Nickel	12.90	5.50B	9.70	17.50	20.9
Potassium	1,090B	412B	622B	1,470	748B
Selenium	0.66UN	0.63UN	0.69UN	0.48UN	0.44UN
Silver	1.80U	1.70U	1.80U	1.90U	1.80U
Sodium	101U	96.20U	104U	109U	102B
Thallium	0.44UW	0.42UW	0.46UW	0.72U	0.67U
Vanadium	16.10	6.90B	10.8B	33.80	14.30
Zinc	43.90*	27.70*	31.8	58.30	44.90
Volatile Organics (ug/kg)					
Acetone	27U	27U	35B	23	11U
2-Butanone	27U	27U	27U	12U	11U
Carbon tetrachloride	13U	13U	13U	6U	5U
Chloroform	13U	13U	13U	6U	5U
1,1-Dichloroethane	13U	13U	13U	6U	5U
1,1-Dichloroethylene	NA	NA	NA	NA	NA
1,2-Dichloroethene (total)	13U	13U	13U	6U	5U
1,2-Dichloropropane	13U	13U	13U	6U	5U
Ethylbenzene	13U	13U	13U	6U	5U
Methylene Chloride	64	77	63	8	18
Tetrachloroethene	390	310	370	6U	60
Toluene	13U	13U	13U	6U	5U
1,1,1-Trichloroethane	29	23	26	6U	15
Trichloroethene	140	120	140	6U	52
Xylenes	13U	13U	13U	6U	5U

NA = Not Analyzed

ME/123/7026/2/TABLE5

Table 3, Continued.

	SB04-6.0	SB04-10.0	SB04-10.0	SB05-2.0	SB06-8.0-01
Inorganics (mg/kg)			DUPLICATE		
Aluminum	8,520	4,140	3,520	12,400*	2,760*
Antimony	8.60B	8.10B	10.50B	7.70U	6.80U
Arsenic	5.50NS	4.30N	4.10NS	5.9NS	4.20N
Barium	89.1	19.30B	15.90B	115	12.10B
Beryllium	0.75B	0.82B	0.90B	0.70B	0.49B
Cadmium	0.71U	0.67U	0.68U	0.70U	0.62U
Calcium	28,000	78,400	80,200	2,540	35,400
Chromium	10.0	10.70	5.00	14.4	4.9
Cobalt	5.50B	5.10B	3.80B	11.2B	3.8B
Copper	12.4	12.60	12.70	14.6	9.3
Cyanide (amenable)	<0.5	<0.5	<0.5	<0.6	<0.5
Cyanide (total)	<0.5	<0.5	<0.5	0.58U	0.52U
Iron	12,700	9,100	7,790	14,700	7,160
Lead	34	7.40	7.30	20.5	4.2
Magnesium	10,500	31,800	42,600	1,970	10,900
Manganese	808	821	215	1,000	235
Mercury	0.12UN	0.11UN	0.11UN	0.12U	0.10U
Nickel	12.4	12	7.60B	14.8	8.20B
Potassium	822B	466B	587B	1,310	370B
Selenium	0.47UN	0.45U	0.45UN	0.47UN	0.41N
Silver	1.90U	1.80U	1.80U	1.90U	1.70U
Sodium	111B	126B	116B	108U	94.10U
Thallium	0.71U	0.67U	0.68U	0.47UW	0.41U
Vanadium	18.20	10.40B	9.20B	28.0	7.50B
Zinc	46.10	33.10	25.40	53.3	23.30
Volatile Organics (ug/kg)					
Acetone	21	11J	13	4J	12
2-Butanone	12U	11U	11U	12U	11U
Carbon tetrachloride	6U	6U	6U	6U	5U
Chloroform	6U	6U	6U	6U	5U
1,1-Dichloroethane	6U	6U	6U	6U	5U
1,1-Dichloroethylene	NA	NA	NA	NA	NA
1,2-Dichloroethene (total)	6U	6U	6U	6U	5U
1,2-Dichloropropane	6U	6U	6U	6U	5U
Ethylbenzene	6U	6U	6U	6U	5U
Methylene Chloride	11	18	2J	6U	16
Tetrachloroethene	2J	16	6	2J	25
Toluene	NA	6U	6U	6U	5U
1,1,1-Trichloroethane	6U	8	3J	6U	5U
Trichloroethene	6U	10	5J	6U	7
Xylenes	6U	6U	6U	6U	5U

NA = Not Analyzed

ME/123/7026/2/TABLE5

Table 3, Continued.

	SB06-8.0	SB06-17.0	SB07-8.0	SB07-18.0	SB08-2.0
Inorganics (mg/kg)	DUPLICATE				
Aluminum	4,950*	1,760*	1,580E	2,520E	11,000*
Antimony	6.80U	7.50U	3.60UN	3.60UN	7.60U
Arsenic	5.40NB	2.2BN	2.50W	1.70B	3.80N
Barium	21.80B	7.0B	7.60B	8.50B	105
Beryllium	0.29B	1.1B	0.21U	0.21U	0.62B
Cadmium	0.62U	0.68U	0.42UN	0.43UN	0.69U
Calcium	1,610	109,000	77,000	138,000	1,980
Chromium	8.70	1.10U	4.20*	6.50*	13.40
Cobalt	4.10B	2.60B	1.20B	1.50B	8.60B
Copper	11.9	7.40	19.10	18.00	9.30
Cyanide (amenable)	<0.5	<0.5	<0.5	<0.5	<0.5
Cyanide (total)	0.52U	0.57U	<0.5	<0.5	0.57U
Iron	9,430	4,390	4,520E	5,420E	13,700
Lead	6.0	3.70S	3.40NW*	6.40N*+	15.20
Magnesium	1,800	26,500	17,100	43,800	1,990
Manganese	325	189	174EN*	165EN*	754
Mercury	0.10U	0.11U	0.11U	0.11U	2.30
Nickel	11.3	4.40B	5.20B	6.30B	13.50
Potassium	710B	426B	228B	516B	939B
Selenium	0.41UN	0.5UNW	0.42U	0.43UW	0.46UN
Silver	1.60U	1.8U	0.42U	0.45B	1.80U
Sodium	93.80U	104U	171B	271B	105U
Thallium	0.41	0.46U	0.42U	0.43U	0.46UW
Vanadium	11.40	5.1B	5.60B	10.50B	21.80
Zinc	31.40	14.2	15.40	19.50B	42.7
Volatile Organics (ug/kg)					
Acetone	10U	59U	26U	1,300U	11U
2-Butanone	10U	59U	13U	1,300U	11U
Carbon tetrachloride	5U	29U	13U	670U	6U
Chloroform	5U	29U	13U	670U	6U
1,1-Dichloroethane	5U	29U	13U	670U	6U
1,1-Dichloroethylene	NA	NA	NA	NA	NA
1,2-Dichloroethene (total)	5U	29U	13U	670U	6U
1,2-Dichloropropane	5U	29U	13U	670U	6U
Ethylbenzene	5U	29U	13U	670U	6U
Methylene Chloride	5U	84	13U	670U	6U
Tetrachloroethene	37	1,100	330	17,000	53
Toluene	5U	29U	13U	670U	6U
1,1,1-Trichloroethane	1J	140	13U	670U	6U
Trichloroethene	17	720	19	440J	17
Xylenes	5U	29U	13U	670U	6U

NA = Not Analyzed

ME/123/7026/2/TABLE5

Table 3, Continued.

	SB08-19.0	SB09-12.0	SB09-18.0	SB09-18.0	MW20-6.0
Inorganics (mg/kg)				DUPLICATE	
Aluminum	2,420*	2,970E	2,160E	2,370E	15,200
Antimony	7.40U	3.60UN	4.20UN	4UN	7.90U
Arsenic	2.80N	3.80	2.20B	2.20BS	4.10NS
Barium	9.30B	10.50B	7.60	8.60B	83.10
Beryllium	1.20	0.21U	0.25U	0.24U	0.66B
Cadmium	0.67U	2.40N	2.50N	13.20N	0.72U
Calcium	115,000	88,800	105,000	103,000	4,180
Chromium	1.90B	7.10*	12.80*	11.90*	20.70
Cobalt	3.00B	1.90B	1.90B	1.80B	6.40B
Copper	13.70	19.40	106	137.0	14.0
Cyanide (amenable)	<0.5	<0.5	<0.5	18.4	<0.5
Cyanide (total)	0.56U	<0.5	<0.5	18.4	<0.5
Iron	6,280	6,480E	5,500E	5,980E	20,100
Lead	5.50	5.10N*	4.30NS*	5.90N*	16.5
Magnesium	26,400	31,800	26,800	28,500	3,820
Manganese	188	205.0EN*	165EN*	181EN*	350
Mercury	0.11U	0.11U	0.12U	0.12U	0.11UN
Nickel	8.30B	9.90	30.50	38.30	17.1
Potassium	510B	560B	372B	360.0B	1,120B
Selenium	0.45UN	0.42UW	0.50UW	0.47UW	0.48UN
Silver	1.80U	0.42U	0.50U	1.20B	1.90U
Sodium	102U	244B	219B	224B	109U
Thallium	0.45U	0.42	0.50U	0.47U	0.72U
Vanadium	8.00B	10.0B	7.70B	8.20B	27.80
Zinc	33.9	21.60	80.60	88.40	77.30
Volatile Organics (ug/kg)					
Acetone	680J	54U	1,500U	1,400U	9J
2-Butanone	2,900U	27U	1,500U	1,400U	10U
Carbon tetrachloride	1,400U	27U	740U	690U	5U
Chloroform	1,400U	27U	740U	690U	5U
1,1-Dichloroethane	1,400U	27U	740U	690U	5U
1,1-Dichloroethylene	NA	NA	NA	NA	NA
1,2-Dichloroethene (total)	1,400U	27U	740U	690U	5U
1,2-Dichloropropane	1,400U	27U	740U	690U	5U
Ethylbenzene	1,400U	27U	740U	690U	5U
Methylene Chloride	510BJ	27U	740U	690U	5U
Tetrachloroethene	35,000	550	15,000	10,000.0	5U
Toluene	1,400U	27U	740U	690U	3J
1,1,1-Trichloroethane	270J	10J	650J	690J	5U
Trichloroethene	3,100	150	3,500	2,500	5U
Xylenes	1,400U	27U	740U	690U	5U

NA = Not Analyzed

ME/123/7026/2/TABLE5

Table 3, Continued.

	MW20-12.0	MW21-12.0	MW21-12.0	MW21-18.0	MW22A-2.0
Inorganics (mg/kg)			DUPLICATE		
Aluminum	2,220	2,610E	2,380E	1,990E	6,890*
Antimony	7.40U	3.60UN	3.60UN	4.10UN	7.50U
Arsenic	2.60NB	3.20	4.60	2.30B	7.40N
Barium	26.6B	8.80B	15.20B	6.10B	58.70
Beryllium	0.49B	0.21U	0.21B	0.24U	0.96B
Cadmium	0.67U	0.42UN	0.42UN	0.48UN	0.68U
Calcium	37,600	146,000	139,000	91,200.0	66,300
Chromium	3.70	7.80*	6.30*	6.00*	6.20
Cobalt	3.40B	1.80B	1.60B	2.10B	6.20B
Copper	11.20	16.50	21.0	27.40	14.2
Cyanide (amenable)	<0.5	1.0	<0.5	<0.5	<0.5
Cyanide (total)	<0.5	1.0	<0.5	<0.5	<0.5
Iron	6,770.0	5,950E	6,580.0E	5,440.0E	11,800.0
Lead	6.70	11.40NS*	4.80N*	3.30N*	52.90W
Magnesium	20,100.0	47,900	59,900	24,400	17,110
Manganese	226.0	241.0EN*	426EN*	137EN*	491
Mercury	0.11UN	0.10U	0.11U	0.12U	0.11U
Nickel	9.10	8.30B	11.10	15.80	10.5
Potassium	400.0B	526B	479B	267B	811B
Selenium	0.45UN	0.42UW	0.42UW	0.48UW	0.45UN
Silver	1.80U	0.42U	0.42U	0.48U	1.80U
Sodium	117.0B	281B	238B	203B	103U
Thallium	0.67U	0.42U	0.42UW	0.48U	0.45U
Vanadium	7.60B	9.80B	9.10B	7.20B	16.0
Zinc	25.0	18.90	25.90	23.10	91.0
Volatile Organics (ug/kg)					
Acetone	9J	53U	53U	1,500U	6BJ
2-Butanone	10U	53U	53U	1,500U	11U
Carbon tetrachloride	5U	26U	27U	740U	6U
Chloroform	5U	26U	27U	740U	6U
1,1-Dichloroethane	5U	26U	27U	740U	6U
1,1-Dichloroethylene	NA	NA	NA	NA	NA
1,2-Dichloroethene (total)	5U	26U	27U	740U	6U
1,2-Dichloropropane	5U	26U	27U	740U	6U
Ethylbenzene	5U	26U	27U	740U	6U
Methylene Chloride	5U	26U	27U	740U	6U
Tetrachloroethene	5U	780	160	25,000	36
Toluene	5	26U	27U	740U	6U
1,1,1-Trichloroethane	5U	26U	27U	750	6U
Trichloroethene	5U	300	52	5,300	2J
Xylenes	5U	26U	27U	740U	6U

NA = Not Analyzed

ME/123/7026/2/TABLE5

Table 3, Continued.

	MW22-10.0	M22-19.0	MW23-21.5	MW24-6.0	MW24-15.0
Inorganics (mg/kg)					
Aluminum	2,970*	2,300*	5,650*	1,400	2,850
Antimony	12.4B	7.50U	7.10U	6.80U	10.70B
Arsenic	8.8N	2.20BN	6.00N	2.0BN	1.9BN9
Barium	11.5B	8.20B	38.4B	5.9B	13.3B
Beryllium	1.50	1.00B	1.10	0.66B	1.2
Cadmium	0.63U	0.68U	0.65U	0.62U	0.63U
Calcium	163,000	102,000	93,000	66,900	106,000
Chromium	1.00U	1.10U	3.60	1.00U	1.60B
Cobalt	5.50B	3.20B	6.20B	2.10B	3.70B
Copper	11.90	16.70	13.70	6.90	15.30
Cyanide (amenable)	<0.5	<0.5	<0.5	<0.5	<0.5
Cyanide (total)	<0.5	<0.5	<0.5	<0.5	<0.5
Iron	10,800	5,450	9,130	4,090	8,360
Lead	11.20	4.10S	11.10S	4.70	10.9
Magnesium	43,500	28,000	27,500	16,900	29,600
Manganese	290	189	292	145	229
Mercury	0.10U	0.11U	0.11U	0.10UN	0.10UN
Nickel	8.20B	8.30B	13.2	4.40B	9.40
Potassium	721B	512.0B	1,250	238B	569B
Selenium	0.4UNW	0.5UNW	0.4UNW	0.41UN	0.42UN
Silver	1.70U	1.80U	1.70U	1.70U	1.70U
Sodium	146B	104U	93.20U	94U	116B
Thallium	0.42U	0.46U	0.43U	0.62U	0.63U
Vanadium	10.40	7.10B	13.40	3.80B	8.20B
Zinc	33.60	22.90	35	16.50	28.70
Volatile Organics (ug/kg)					
Acetone	27U	12,000U	1300U	10U	19
2-Butanone	27U	12,000U	1300U	10U	11U
Carbon tetrachloride	13U	6,200U	670U	5U	5U
Chloroform	13U	6,200U	670U	5U	5U
1,1-Dichloroethane	13U	6,200U	3,100	5U	5U
1,1-Dichloroethylene	NA	NA	NA	NA	NA
1,2-Dichloroethene (total)	13U	6,200U	670U	5U	5U
1,2-Dichloropropane	13U	6,200U	670U	5U	5U
Ethylbenzene	13U	6,200U	670U	5U	5U
Methylene Chloride	13U	13,000.0B	1,500	2J	27
Tetrachloroethene	300	120,000	280J	2J	6
Toluene	13U	6,200	670U	5U	5U
1,1,1-Trichloroethane	13U	6,200U	390J	5U	10
Trichloroethene	43	1,600J	460J	5U	38
Xylenes	13U	6,200U	670U	5U	5U

NA = Not Analyzed

ME/123/7026/2/TABLE5

Table 3, Continued.

	MW25-10.0	MW25-35.0	MW26-6.0	MW26-12.0	MW-27-15.0
Inorganics (mg/kg)					
Aluminum	2,580*	6,100E	12,500	2,440	1960
Antimony	8.50B	3.80UN	7.60U	10.40B	6.4UN
Arsenic	8.3N	8.00S	6.70N	2.20NS	0.65BWN
Barium	10.6B	59.70	49.80	15.90B	7.9B
Beryllium	1.30	0.38B	0.57B	0.97B	1.1
Cadmium	0.63U	0.44UN	0.69U	0.64U	0.44U
Calcium	143,000	111,000	1,620	94,700	91200
Chromium	1.10U	11.4*	15.80	1.10U	4.0
Cobalt	4.80B	5.05B	8.00B	3.30B	1.6B
Copper	10.10	35.80	22.80	10.90	22.2*
Cyanide (amenable)	<0.5	<0.5	<0.5	<0.5	<0.5
Cyanide (total)	0.53U	<0.5	<0.5	<0.5	0.55U
Iron	8,400	12,800E	20,500	6,050	4470
Lead	12	9.00NW*	20.30	4.80	3.6*
Magnesium	39,200	37,400	2,560	33,500	22400
Manganese	303	326EN*	687	217	149
Mercury	0.11U	0.11U	0.12UN	0.11UN	0.11U
Nickel	6.20B	19.40	18.90	6.40B	7.5B
Potassium	399B	1,390	921B	540B	435B
Selenium	0.44BMNW	0.44U	0.46UN	0.43UN	0.22UW
Silver	1.70U	0.44U	1.80U	1.70U	1.4B
Sodium	95.60U	275B	105U	142B	111U
Thallium	0.42U	0.44U	0.69U	0.64U	0.68UN
Vanadium	9.5B	15.60	24.3	6.90B	6.6B
Zinc	30	44.50	58.2	22.90	16.0*
Volatile Organics (ug/kg)					
Acetone	10U	20	19	28	680BJ
2-Butanone	10U	11U	11U	11U	1400U
Carbon tetrachloride	5U	5U	6U	5U	1400U
Chloroform	5U	5U	6U	5U	1400U
1,1-Dichloroethane	5U	5U	6U	5U	1400U
1,1-Dichloroethylene	NA	NA	NA	NA	1400U
1,2-Dichloroethene (total)	5U	5U	6U	5U	1400U
1,2-Dichloropropane	5U	5U	6U	5U	1400U
Ethylbenzene	5U	5U	6U	5U	1400U
Methylene Chloride	5U	41	6U	5U	660J
Tetrachloroethene	44	12	6U	5U	17000
Toluene	5U	5U	6U	5U	1400U
1,1,1-Trichloroethane	5U	5U	6U	5U	1400U
Trichloroethene	46	5U	6U	5U	1400U
Xylenes	5U	5U	6U	5U	1400U

NA = Not Analyzed

ME/123/7026/2/TABLE5

Table 3, Continued.

	*MW27-15.0	MW27-23.0	PGP15-11.0	PGP16-11.0	PGP16-11.0
Inorganics (mg/kg)	DUPLICATE				DUPLICATE
Aluminum	1902	2100	NA	NA	NA
Antimony	6.4U	9.7UN	NA	NA	NA
Arsenic	0.78B	0.65BN	NA	NA	NA
Barium	8.4B	8.8B	NA	NA	NA
Beryllium	1.2	1.8	NA	NA	NA
Cadmium	0.44U	0.49B	NA	NA	NA
Calcium	9345	80600	NA	NA	NA
Chromium	.3	3.5	NA	NA	NA
Cobalt	1.6B	1.2U	NA	NA	NA
Copper	102	70.7*	NA	NA	NA
Cyanide (amenable)	<0.5	<0.5	NA	NA	NA
Cyanide (total)	0.55U	0.58U	NA	NA	NA
Iron	4730	4490	NA	NA	NA
Lead	8.5	5.8*	NA	NA	NA
Magnesium	22135	21900	NA	NA	NA
Manganese	149	141	NA	NA	NA
Mercury	0.11U	0.12U	NA	NA	NA
Nickel	15.2	14.6	NA	NA	NA
Potassium	395B	411B	NA	NA	NA
Selenium	0.22U	0.27B	NA	NA	NA
Silver	1.8B	1.7B	NA	NA	NA
Sodium	111U	117U	NA	NA	NA
Thallium	0.66U	0.7UN	NA	NA	NA
Vanadium	5.7B	6.4B	NA	NA	NA
Zinc	53.1	30.9*	NA	NA	NA
Volatile Organics (ug/kg)					
Acetone	500BJ	59B	78UJ	11U	95
2-Butanone	390J	7J	11UJ	11U	11U
Carbon tetrachloride	1300U	12U	5UJ	5U	5U
Chloroform	1300U	3J	5UJ	5U	5U
1,1-Dichloroethane	1300U	12U	5UJ	5U	5U
1,1-Dichloroethylene	1300U	12U	5UJ	5U	5U
1,2-Dichloroethene (total)	1300U	12U	5UJ	5U	5U
1,2-Dichloropropane	1300U	12U	5UJ	5U	5U
Ethylbenzene	1300U	12U	4J	5U	5U
Methylene Chloride	1300U	2J	18UJ	6	29
Tetrachloroethene	25000	100	85J	5	9
Toluene	1300U	12U	7J	5U	5J
1,1,1-Trichloroethane	1300U	3J	5UJ	11	16
Trichloroethene	1300U	12U	10J	94	140
Xylenes	1300U	2J	34J	5U	5U

NA = Not Analyzed

ME/123/7026/2/TABLE5

Table 3, Continued.

	PGP18-11.0
Inorganics (mg/kg)	
Aluminum	NA
Antimony	NA
Arsenic	NA
Barium	NA
Beryllium	NA
Cadmium	NA
Calcium	NA
Chromium	NA
Cobalt	NA
Copper	NA
Cyanide (amenable)	NA
Cyanide (total)	NA
Iron	NA
Lead	NA
Magnesium	NA
Manganese	NA
Mercury	NA
Nickel	NA
Potassium	NA
Selenium	NA
Silver	NA
Sodium	NA
Thallium	NA
Vanadium	NA
Zinc	NA
Volatile Organics (ug/kg)	
Acetone	97
2-Butanone	11U
Carbon tetrachloride	5U
Chloroform	5U
1,1-Dichloroethane	5U
1,1-Dichloroethylene	5U
1,2-Dichloroethene (total)	5U
1,2-Dichloropropane	5U
Ethylbenzene	5U
Methylene Chloride	20
Tetrachloroethene	5U
Toluene	2J
1,1,1-Trichloroethane	8
Trichloroethene	53
Xylenes	5U

NA = Not Analyzed

ME/123/7026/2/TABLE5

WW ENGINEERING & SCIENCE
5010 Stone Mill Road · Bloomington, IN 47408 · Phone (812)336-0972 · FAX (812)336-3991

	Former Amphenol	Boring No.	PGP-17
Date	04-29-94	Driller	M. Chenoweth (GTI)
Logged by	JD Bryan	Elevation	720.8
Location	Hurricane Creek/Forsythe Street bridge	Page	1 of 1

Water Level					Start		Finish	
Time					Time	11:35AM	Time	12:20PM
Date					Date	04-29-94	Date	04-29-94

SAMPLE TYPE	DRIVEN	RECOVERED	BLOWS (6")	DEPTH (ft.)	GRAPHIC	DESCRIPTION
GP-1	2.0	1.6		0		Loam, dark brown (10 YR 3/3), slightly moist, friable, gradual contact at 1.3' with loam as above, yellowish brown (10 YR 5/6)
				1		
GP-2	2.0	1.0		2		Sandy loam, yellowish brown (10 YR 5/8), moist, friable, rare sand seam, rare cobble, gradual contact at 2.8' with loam, grayish brown (10 YR 5/2), slightly firm
				3		
GP-3	2.0	1.6		4		Loam, as above, wet sand seam at 4.90' - 4.92', clear contact at 5.2' with loam, granular, gray (10 YR 5/1), moist, firm
				5		
GP-4	2.0	1.3		6		Sand, medium to coarse, dark grayish brown (10 YR 4/2), wet, loose, abundant contact at 6.6' with loam, granular, dark gray (10 YR 4/1), very slightly moist, very firm
				7		
GP-5	2.0	1.8		8		Loam, granular, as above, dry
				9		
				10		T.D. 10.0'
				1		
				2		
				3		
				4		
				5		
				6		
				7		
				8		
				9		
				20		

Remarks

DATA QUALIFIER KEY

Shaded concentrations exceed the ARARs.

Inorganic Qualifiers:

U	Chemical not detected at specified detection limit
J	Estimated value
*	Duplicate analysis was not within control limits
B	Reported value is Below Contract Required Detection Limit (DL) but above Instrument DL
N	Spiked sample recovery not within control limits
W	Post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is <50% of spike absorbance
E	Value is estimated due to matrix interferences
M	Duplicate injection precision criteria not met
S	Reported value was determined by the Method of Standard Additions (MSA)

Organic Qualifiers:

U	Chemical not detected at specified detection limit
J	Estimated value
B	Analyte was found in associated blank as well as sample (for volatiles only)
E	Concentrations exceeds calibration range of GC/MS instrument
D	Chemical identified in an analysis at a secondary dilution factor

DRAFT

Table 4. RFI Surface Water Field Chemistry Data.

Sample	Date	pH (Std. Units)	T (deg C)	SpC25 (umhos/cm)	DOX (mg/l YSI)	DOX (mg/k HACH)	Q (cfs)
SW-01	02/25/92	8.1	9.0	576	ND	ND	3.24
SW-01	02/27/92	8.3	14.0	555	ND	ND	ND
SW-01	03/25/92	ND	ND	ND	10.2	12	ND
SW-02	02/25/92	7.8	8.0	610	ND	ND	0.06
SW-02Dup	02/25/92	7.9	8.0	622	ND	ND	ND
SW-02	02/27/92	7.7	11.O	614	ND	ND	ND
SW-02	03/25/92	ND	ND	ND	11.4	13	ND
SW-02	07/27/92	8.6	.03	5718	ND	ND	0.35
SW-02	02/17/93	7.9	3.0	483	ND	ND	ND
SW-03	02/25/92	ND	ND	ND	ND	ND	3.76
SW-03	02/27/92	8.1	11.0	587	ND	ND	ND
SW-03	03/25/92	ND	ND	ND	11.9	11	ND
SW-04	02/25/92	ND	ND	ND	ND	ND	3.19
SW-04	02/27/92	8.3	11.0	587	ND	ND	ND
SW-04	03/25/92	ND	ND	ND	11.8	12	12
SW-05	02/25/92	7.7	7	617	ND	ND	ND
SW-05	02/27/92	7.9	13	597	ND	ND	0.111
SW-05	03/25/92	ND	ND	ND	13.2	14	ND

ND=Not Determined
DOX=Dissolved Oxygen
YSI=Yellow Springs Instruments DOX Meter
HACH=HACH Systems DOX Tritation Kit
cfs=cubic feet/second

BL/mkc/JDB/b:/Curtis/7026.00/Table6.wk1

Table 5. RFI Surface Water Analytical Data.

Sample Number	SW-01	SW-02	SW-02d	SW-05	SW-02	SW-02	SW-02D	EQUIP BLANK	TRIP BLANK
Date	02/26/92	02/26/92	02/26/92	02/26/92	07/27/92	02/18/93	02/08/93	02/18/93	02/26/92
Inorganics (ug/l)									
Aluminum	NA	NA	NA	NA	198NJB	NA	NA	NA	NA
Antimony	NA	NA	NA	NA	39.0UNJ	NA	NA	NA	NA
Arsenic	NA	NA	NA	NA	1.7B	NA	NA	NA	NA
Barium	NA	NA	NA	NA	93.6B	NA	NA	NA	NA
Beryllium	NA	NA	NA	NA	1.2BJ	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	3.0U	NA	NA	NA	NA
Calcium	NA	NA	NA	NA	101000	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	6.0U	NA	NA	NA	NA
Cobalt	NA	NA	NA	NA	5.0U	NA	NA	NA	NA
Copper	NA	NA	NA	NA	9.0U	NA	NA	NA	NA
Cyanide (amenable)	<0.5	<0.5	<0.5	<0.5	<10	<10	<10	<10	NA
Cyanide (total)	10.00U	10.00U	10.00U	10.00U	10U	10U	10U	10U	NA
Iron	NA	NA	NA	NA	251*J	NA	NA	NA	NA
Lead	NA	NA	NA	NA	1.0UJ	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	27700	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	25.1J	NA	NA	NA	NA
Mercury	NA	NA	NA	NA	0.2U	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	7.0U	NA	NA	NA	NA
Potassium	NA	NA	NA	NA	3440B	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	2.0UJ	NA	NA	NA	NA
Silver	NA	NA	NA	NA	8.0U	NA	NA	NA	NA
Sodium	NA	NA	NA	NA	6580J	NA	NA	NA	NA
Thallium	NA	NA	NA	NA	2.0UJ	NA	NA	NA	NA
Vanadium	NA	NA	NA	NA	5.0U	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	81.4J	NA	NA	NA	NA
Volatile Organics (ug/l)									
Acetone	10U	10U	10U	10U	11U	11U	11U	370	10U
Carbon Tetrachloride	5U	5U	5U	5U	5U	10U	10U		
1,1-Dichloroethane	5U	5U	5U	5U	5U	3J	3J	20U	5U
1,2-Dichloropropane	5U	5U	5U	5U	5U	10U	10U	24	5U
Tetrachloroethene	5U	5U	5U	5U	35	64	88	5J	5U
Toluene	1J	5U	5U	5U	5U	10U	10U	20U	5U
1,1,1-Trichloroethane	5U	5U	5U	5U	9	33	35	20U	5U
Trichloroethene	5U	5U	5U	5U	17	65	69	20U	5U

NA = Not Analyzed

Table 6. RFI Surface Sediment Analytical Data.

Sample Number	SD-01	SD-02	SD-02 DUPLICATE	SD-03	SD-04	SD-05	EQUIP BLANK
Inorganics (mg/kg)							
Aluminum	3830*	8,780*	8080*	1,210*	1,910*	7900*	22.30B*
Antimony	9.1BN	11.7UN	12.20UN	7.70UN	8.50BN	8.90UN	6.60UN
Arsenic	3.6	3.6	3.10B	2.90	2.90	4.40	1.40U
Barium	37.2B	70.5B	64.80B	12.20B	15.00B	63.70	2.00U
Beryllium	1.2B	0.82B	0.74B	1.30	1.50	0.70B	0.20U
Calcium	97,600E	31,400E	29,000E	128,000E	180,000E	23,000E	100UE
Chromium	2.2B	12.9	11.60	1.20U	1.20U	12.2	1.0U
Cobalt	4.1B	8.2B	5.00B	3.10B	3.50B	5.90B	1.0U
Copper	11.4	32.9	23.70	6.70	9.20	29.20	1.4U
Cyanide (amenable)	<0.05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Cyanide (total)	0.59U	0.89U	0.92U	0.59U	0.58U	0.67U	0.50U
Iron	7,170*	13,400*	11,800*	5,040*	5,000*	16,200*	54.40*
Lead	12.4	40.7	30.30	4.20S	5.90W	72.40W	0.44B
Magnesium	35,400	10,900	9,440	46,900	51,500	8,730	55.80U
Manganese	308*	400*	318*	306*	299*	368*	0.26B*
Mercury	0.12U	0.18U	0.51	0.12U	0.12U	0.13U	0.10U
Nickel	8.2B	14.7	12.60B	4.80B	5.50B	14.30	1.40U
Potassium	455B	1,020B	957B	220B	276B	802B	52.80U
Selenium	0.71UN	1.10UN	1.10UNW	0.70UN	0.70UN	0.81UN	0.60U
Thallium	0.48UW	0.71UW	0.74UW	0.47UW	0.47UW	0.54UW	0.40U
Vanadium	9.9B	20.7	18.20B	6.80B	6.70B	20.7	1.40U
Zinc	36*	194*	173*	20.4*	27.20*	119*	0.80B*
Volatile Organics (ug/kg)							
Acetone	12U	33B	28B	12U	12U	13U	10U
Methylene Chloride	35	42	28	6U	6U	36	5U
Tetrachloroethene	5J	9U	4J	6U	6U	5J	5U

NA = Not Analyzed

BL/mke/JDB/b:/Curtis/7026.00/2/TABLE8A.wk1

Table 7. RFI Ground Water Field Chemistry Data.

Sample	Date	pH (Std. Units)	T (deg C)	SpC 25 (umhos/cm)
MW-3	03/02/92	6.7	17.0	838
MW-9	03/03/92	7.2	17.5	852
MW-20	03/03/92	7	18.2	782
MW-12	03/02/92	6.9	19.0	802
	07/27/92	7.0	21.0	758
	02/16/93	7.2	4.0	751
MW-21	03/03/92	7.1	18.9	690
MW-21Dup	03/03/92	7.1	18.5	719
MW-22	03/02/92	7.1	18.5	856
	07/27/92	6.9	21.0	758
	02/16/93	7.2	3.0	621
MW-24	03/02/92	7.1	19.0	881
	02/16/93	7.2	3.0	759
MW-26	03/03/92	7.1	17.6	908
MW-27	02/17/93	7.3	0.0	880
MW-28	02/17/93	7.4	0.0	787
MW-29	02/17/93	7.5	0.0	919
MW-30	02/17/93	7.3	0.0	938
IT-2	03/04/92	7.1	16.0	869
	07/27/92	7.0	18.5	822
	02/16/93	7.2	6.0	785
IT-3	03/03/92	6.5	1.05	853
	07/27/92	7.0	2.00	74
	02/16/93	7.1	4.0	776
IT-3Dup	02/16/93	7.2	3.0	793
MW-23	03/03/92	7.5	17.0	531
MW-23Dup	03/03/92	7.6	17.0	555
MW-23	02/17/93	7.9	0.0	614
MW-23Dup	02/17/93	7.8	0.0	632
MW-25	03/10/92	7.3	11.0	614
	02/17/93	7.8	2.0	580
IT-1A	03/03/92	7.3	18.1	495
	02/17/93	8.0	0.0	612

Table 7, Continued.

Sample (depth)	Date	pH (Std. Units)	T (deg C)	SpC 25 (umhos/cm)
PGP-1	02/16/93	*7.4*	*4.0*	*684*
PGP-2	02/16/93	*7.4*	*9.0*	*662*
PGP-3	02/18/93	*6.9*	*10.5*	*600*
PGP-4S	02/17/93	*7.5*	*0.0*	*938*
PGP-4D	02/17/93	*7.7*	*0.0*	*882*
PGP-6 (18-20)	02/25/93	*7.2*	*7.0*	*930*
PGP-6 (25-27)	02/25/93	*7.3*	*6.01*	*1020*
PGP-7 (13-15)	02/25/93	*7.2*	*5.0*	*1052*
PGP-7 (19-21)d	02/25/93	*7.3*	*3.0*	*845*
PGP-7 (19-21)	02/25/93	*7.3*	*6.0*	*801*
PGP-7 (24.5-26.5)	02/25/93	*7.4*	*6.0*	*816*
PGP-8	02/26/93	*7.4*	*8.0*	*740*
PGP-9	02/26/93	*7.4*	*8.0*	*800*
PGP-10	03/02/93	*6.7*	*9.0*	*720*

BL/mke/JDB/b:/Curtis/7026.00/1/Table9.wk1

Table 8. Ground Water Analytical Data.

Sample Number	MW-9	MW-20	MW-26	IT-2	IT-2	IT-2	IT-3	IT-3	IT-3
Date Sampled	03/03/92	03/03/92	03/03/92	03/03/92	07/27/92	02/16/93	03/03/92	07/27/92	02/16/93
Inorganics (mg/l)									
Aluminum	9.51U	5.71	6.01	8.020	14.2NJ	0.991NJ	11	16.3NJ	3.2NJ
Antimony	0.017UN	0.017UN	0.017U	0.017U	0.039UN	0.016UN	0.017UN	0.039UN	0.016UN
Arsenic	0.006UN	0.006UN	0.006U	0.006UN	0.0062B	0.00248NJ	0.006UNWM	0.0116	0.0039BJ
Barium	0.27	0.38	0.223	0.694	0.815	0.258	0.423	0.409	0.201
Beryllium	0.0014B	0.0011B	0.001U	0.0011B	0.0031J	0.001U	0.00188	0.0065J	0.001U
Cadmium	0.002U	0.002U	0.002U	0.002U	0.003U	0.003U	0.002U	0.003U	0.003U
Calcium	525	612	345	394	523	123	567	480	226
Chromium	0.027	0.0201	0.0232	0.0169	0.0244	0.006BJ	0.0328	0.0339	0.0132J
Cobalt	0.0156B	0.0124B	0.011B	0.0153B	0.0207B	0.006UJ	0.0348B	0.0428B	0.0062BJ
Copper	0.0727	0.0674	0.0474	0.0767	0.0871	0.0075BJ	0.0949	0.0724	0.0234BJ
Cyanide (amenable)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Cyanide (total)	0.010U	0.010U	0.010U	0.010U	0.010U	0.010U	0.010U	0.010U	0.010U
Iron	16.7	13.2	16.6	21.4	37.3*	2.59J	28.4	43.9*	4.23J
Lead	0.0583*	0.0306*	0.0545*	0.0417*	0.0518JS	0.0025BNJ	0.079*	0.0504JNW	0.0119JN
Magnesium	158	232	114	123	180	41	187	151	67
Manganese	1.03	2.84	1.02	1.73	2.25J	0.382J	2.8	3.86J	0.939J
Mercury	0.00038	0.00034	0.00023	0.0002	0.0002U	0.0002U	0.0003	0.00053	0.0002U
Nickel	0.0476	0.0409	0.0434	0.0501	0.135	0.0194BJ	0.0646	0.0813	0.0248BJB
Potassium	3.84B	4.59B	7.01	3.610B	4.8B	1.68B	3.51B	4.13B	2.37B
Selenium	0.043B	0.003U	0.003UW	0.003U	0.002UJWN	0.001U	0.0053	0.002UJN	0.0016BUNW
Silver	0.002U	0.002U	0.002U	0.002U	0.008U	0.002U	0.002U	0.008U	0.002U
Sodium	9.53	10.3	10	20.9	19.8J	18.8J	7.39	7.28J	7.49J
Thallium	0.002UN	0.002UN	0.002UN	0.002U	0.002U	0.003U	0.002UN	0.002U	0.003U
Vanadium	0.0421B	0.0354B	0.0227B	0.023B	0.0372B	0.006U	0.0369B	0.0379B	0.0104BJ
Zinc	0.198E	1.08E	0.0899E	0.110E	0.197J	0.153BJE	0.177E	0.171J	0.0494
Volatile Organics (ug/l)									
Acetone	7J	10U	10U	11	12U	10U	5U	12U	10U
Carbon Tetrachloride	5U	5U	5U	5U	5U	10U	5U	5U	10U
1,1-Dichloroethane	5U	5U	5U	41	17	18	4J	4J	5J
1,1-Dichloroethylene	5U	5U	5U	5U	5U	10U	5U	5U	13
1,2-Dichloroethene (total)	5U	5U	5U	78	30	51	5U	5U	10U
1,2-Dichloropropane	5U	5U	5U	5U	5U	10U	5U	5U	10U
Ethylbenzene	5U	5U	5U	5U	5U	10U	5U	5U	10U
Methylene Chloride	5U	5U	5U	5U	1J	10U	5U	5U	10U
Tetrachloroethene	5U	5U	3J	5U	10U	5J	5U	5	10U
Toluene	5U	5U	5U	5U	5U	10U	5U	5U	10U
1,1,1-Trichloroethane	9	5U	5	25	28	29	83	67	71
Trichloroethene	2J	5U	5U	19	30	29	34	22	20
Xylenes	5U	5U	5U	5U	5U	10U	5U	5U	10U

NA = Not Analyzed

Table 8, Continued.

Sample Number	IT-3	MW-3	MW-12	MW-12	MW-12	MW-12	MW-12	MW-21
Date Sampled	02/16/93	03/02/92	03/02/92	03/02/92	07/27/92	02/16/93	02/16/93	03/03/92
	Duplicate		Dissolved	Total		Dissolved		
Inorganics (mg/l)								
Aluminum	3.44NJ	4.66	NA	NA	8.33NJ	0.1209NJ	3.51NJ	8.5
Antimony	0.016UN	0.017U	<0.06	<0.06	39.0UN	0.016UN	0.016UN	0.017UN
Arsenic	0.0079NJ	0.0133B	<0.010	<0.010	7.0B	0.002UNJ	0.0031BNJ	0.006UN
Barium	0.218	0.269	0.101	0.559	296	0.796B	0.159B	0.472
Beryllium	0.001U	0.001U	<0.005	<0.005	3.1J	0.001U	0.001U	0.00268
Cadmium	0.003U	0.002U	<0.005	<0.005	3.0U	0.003U	0.003U	0.0025B
Calcium	263	340	NA	NA	401	90.2	193	1,000
Chromium	0.0181J	0.0156	<0.005	0.0247	12.7	0.006UJ	0.0116J	0.0585
Cobalt	0.0151BJ	0.0283	<0.010	0.0604	20.8B	0.006UJ	0.0063BJ	0.075
Copper	0.0321	0.0906	<0.010	0.160	53.3	0.0022BJ	0.0238BJ	0.51
Cyanide (amenable)	<0.010	<0.010	<0.010	<0.010	<0.010	NA	<0.010	<0.010
Cyanide (total)	0.010U	0.010U	NA	NA	0.010U	NA	0.010U	0.010U
Iron	15.1J	8.79	NA	NA	34.2*J	0.0343BU	12.9J	7.67
Lead	0.0159NJ	0.0283	0.00908	0.6234	0.0583WNJ	0.002UNJ	0.0223NJ	0.162*
Magnesium	90.8	65.7	NA	NA	114	27	45	342
Manganese	1.72	0.982	NA	NA	2.12J	0.131J	0.762J	3.32
Mercury	0.002UN	0.00026	<0.0002	0.00049	0.00026	0.0002UN	0.0002UN	0.00035
Nickel	0.0357BJ	0.0588	<0.010	0.118	0.052	0.015UJ	0.0394BJ	0.538
Potassium	2.51BU	3.54B	NA	NA	3.74B	1.59BU	2.490BU	3.57B
Selenium	0.0015BWNU	0.0034B	<0.005	0.0075	0.0029BWNJ	0.001UN	0.0021BWNU	0.0075
Silver	0.002U	0.0121	<0.010	<0.010	0.008U	0.002U	0.002U	0.0467
Sodium	7.49J	8.79	NA	NA	9.13J	8.35J	8.25J	6.53
Thallium	0.003U	0.002U	<0.010	<0.010	0.002UWN	0.003UW	0.003UW	0.002UN
Vanadium	0.0174BJ	0.020B	<0.010	0.0289	0.0267B	0.006U	0.0096BJ	0.0638
Zinc	0.0769EJ	0.0944E	0.0119	0.345	0.165J	0.0034BEU	0.0696EJ	0.256E
Volatile Organics (ug/l)								
Acetone	10U	10U	NA	<500	500U	NA	1000U	10U
Carbon Tetrachloride	10U	5U	NA	<250	250U	NA	1000U	5U
1,1-Dichloroethane	5J	5U	NA	103J	190J	NA	136J	5U
1,1-Dichloroethylene	11J	5U	NA	<250	250U	NA	1000U	5U
1,2-Dichloroethene (total)	10U	5U	NA	NA	250U	NA	1000U	5U
1,2-Dichloropropane	10U	5U	NA	<250	250U	NA	1000U	5U
Ethylbenzene	10U	5U	NA	<250	250U	NA	1000U	5U
Methylene Chloride	10U	5U	NA	<250	250U	NA	1000U	5U
Tetrachloroethene	10U	160	NA	347J	5900	NA	5693	50
Toluene	10U	5U	NA	<250	250U	NA	1000U	5U
1,1,1-Trichloroethane	73	4J	NA	204J	5400	NA	2221	5U
Trichloroethene	23	8J	NA	264J	4700	NA	4750	16
Xylenes	10U	5U	NA	<250	250U	NA	1000U	5

NA = Not Analyzed

Table 8, Continued.

Sample Number	MW-21	MW-22	MW-22	MW-22	MW-22	MW-22	MW-24	MW-24	MW-27
Date Sampled	03/03/92	03/02/92	03/02/92	07/27/92	02/16/93	02/16/93	03/02/92	02/16/93	02/17/93
	Duplicate	Dissolved	Total		Dissolved				
Inorganics (mg/l)									
Aluminum	0.101B	NA	NA	7.59UJ	0.0704BNJ	3.16NJ	15.6	10.6NJ	13.9J
Antimony	0.017UN	<0.06	<0.06	0.039UN	0.016UN	0.016UNJ	0.017U	0.016UN	0.035UN
Arsenic	0.006UN	<0.010	<0.010	0.00188	0.002UNJ	0.002UN	0.0046B	0.0038BNJ	0.01669NJ
Barium	0.528	0.0824	0.307	0.216	0.0655B	0.165B	0.505	0.266	0.509
Beryllium	0.001U	<0.005	<0.005	0.0058U	0.001U	0.001U	0.00238	0.001U	0.0018B
Cadmium	0.002U	<0.005	<0.005	0.003U	0.003U	0.003U	0.002U	0.003U	0.002UB
Calcium	1170	NA	NA	387	82.2	275	774	390	998
Chromium	0.0873	<0.005	0.0365	0.0182	0.006UJ	0.0178J	0.0371	0.0303J	0.0354J
Cobalt	0.011B	<0.010	0.034J	0.01978	0.006UJ	0.0135J	0.0231B	0.0229BJ	0.0226BJ
Copper	0.0181B	<0.010	0.234	0.0945	0.002U	0.0962J	0.142	0.0789J	0.233
Cyanide (amenable)	<0.010	<0.010	NA	<0.010	NA	<0.010	<0.010	<0.010	<0.010
Cyanide (total)	0.010U	NA	NA	0.010U	NA	0.010U	0.010U	0.010U	0.010U
Iron	0.401	NA	NA	17.9J	0.0265BU	12.8J	18.1	30.1J	26
Lead	0.0046*	<0.003	0.05942	0.0354NJ	0.002UNJ	0.0292NJ	0.0094W	0.07845NGJ	0.112
Magnesium	323	NA	NA	128	25.4	97.6	178	125	172
Manganese	2.140	NA	NA	2.1J	0.397J	1.58J	2.17	2.01J	2.27J
Mercury	0.00045	<0.0002	0.00026	0.00039	0.0002UN	0.0002UN	0.00067	0.0002UN	0.0002UN
Nickel	0.122	<0.010	0.0929	0.0606	0.015UJ	0.0453J	0.0652	0.0586J	0.123J
Potassium	3.52B	NA	NA	3.66B	1.59BU	2.53BU	5.53	3.050BU	3.8BJ
Selenium	0.259SM	<0.005	<0.005	0.002UWN	0.0019BWNU	0.002BWNU	0.0049BS	0.0022BWNU	0.0068B
Silver	0.002U	<0.010	0.0622	0.0233	0.002U	0.0147	0.002U	0.002U	0.0084B
Sodium	7.53	NA	NA	8.82J	5.47J	5.48J	5.84	6.16J	5.81E
Thallium	0.002UN	<0.01	<0.010	0.002UWN	0.003U	0.003UW	0.002U	0.003U	0.002UW
Vanadium	0.089	<0.010	0.0705	0.0282B	0.006U	0.026BJ	0.0538	0.0346BJ	0.0369BJ
Zinc	0.0053BE	<0.010	0.236	0.109J	0.0032BEU	0.106EJ	0.224E	0.164EJ	0.296J
Volatile Organics (ug/l)									
Acetone	10U	NA	<1,000	2000U	NA	1000U	10U	5J	120U
Carbon Tetrachloride	5U	NA	<500	1000U	NA	1000U	5U	10U	50U
1,1-Dichloroethane	5U	NA	<500	1000U	NA	1000U	5U	10U	50U
1,1-Dichloroethylene	5U	NA	<500	1000U	NA	1000U	5U	10U	50U
1,2-Dichloroethene (total)	5U	NA	NA	1000U	NA	1000U	5U	10U	50U
1,2-Dichloropropane	5U	NA	<500	1000U	NA	1000U	5U	10U	50U
Ethylbenzene	5U	NA	<500	1000U	NA	1000U	5U	10U	50U
Methylene Chloride	5U	NA	<500	1000U	NA	1000U	2J	10U	50U
Tetrachloroethene	58	NA	16,774	21000	NA	19499	8	10U	887
Toluene	5	NA	<500	1000U	NA	1000U	1J	10U	50U
1,1,1-Trichloroethane	0.8J	NA	<500	1000U	NA	1000U	44	53	24J
Trichloroethene	14	NA	3,167	2500	NA	1958J	40	189	50U
Xylenes	5U	NA	<500	1000U	NA	1000U	5U	10U	50U

NA = Not Analyzed

Table 8, Continued.

Sample Number	MW-28	MW-29	MW-30	IT-1A	IT-1A	MW-23	MW-23Dup	MW-23	MW-23Dup
Date Sampled	02/17/93	02/17/93	02/17/93	03/03/92	02/17/93	03/03/92	03/03/92	02/17/93	02/17/93
Inorganics (mg/l)									
Aluminum	3.99J	11.2J	9.31J	0.494	0.321J	15.6	14.7	12.7J	7.19J
Antimony	0.035UN	0.035UN	0.035UN	0.017UN	0.035UN	0.017UN	0.017UN	0.035UN	0.035UN
Arsenic	0.0035BNJ	0.0052BNJ	0.0162UJ	0.077N	0.0408JSN	0.0078BN	0.0148BN	0.0135UJ	0.01855NSJ
Barium	0.127B	0.701	0.569	0.144B	0.120B	0.5	0.473	0.442	0.456
Beryllium	0.001U	0.001B	0.001U	0.001U	0.001U	0.001B	0.001B	0.001U	0.001U
Cadmium	0.002U	0.002U	0.002U	0.002U	0.0054	0.002U	0.002U	0.002U	0.002U
Calcium	202	1100	936	63	66.3	193	169	153	164
Chromium	0.0197J	0.0229J	0.0221J	0.004U	0.0083JB	0.0284	0.0256	0.0133J	0.0072JB
Cobalt	0.0198BJ	0.0418J	0.0206J	0.004U	0.005UJ	0.0136B	0.0116B	0.0105BJ	0.0048BJ
Copper	0.0803	0.0827	0.0629	0.006U	0.0148UB	0.13	0.121	0.0821	0.0677
Cyanide (amenable)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Cyanide (total)	0.010U	0.010U	0.010U	0.010U	0.010U	0.010U	0.010U	0.010U	0.010U
Iron	12.7J	30.8J	24.3J	2.62	7.01J	24	23.1	22.4J	21.8J
Lead	0.0416	0.109	0.0374	0.0027B*	0.0063U	0.0593*	0.0657*	0.0383	0.0294W
Magnesium	67.4	181	98.7	30.8	30.4	73.3	63.2	58.9	65.9
Manganese	0.803J	4.0J	4.48J	0.202	0.333J	3.25	2.9	3.34J	3.18J
Mercury	0.0002UN	0.00057NJ	0.0002UN	0.0002U	0.00033N	0.0002U	0.0002U	0.00054NJ	0.0002U
Nickel	0.040J	0.0958J	0.0774J	0.0113B	0.018UJ	0.0417	0.0346B	0.0402J	0.0261JB
Potassium	2.36BJ	5.47J	4.13BJ	1.83B	2.13BJ	2.87B	2.88B	2.76BJ	2.4BJB
Selenium	0.001UW	0.005U	0.005U	0.003U	0.001U	0.003U	0.003U	0.001UW	0.001UW
Silver	0.003U	0.003U	0.003U	0.002U	0.003U	0.002U	0.002U	0.003U	0.003U
Sodium	5.44E	7.84E	6.5E	34.8	29.3E	31.2	30.9	29.3E	28.4E
Thallium	0.002U	0.002UW	0.002UW	0.002UN	0.002U	0.002UN	0.002UN	0.002U	0.002U
Vanadium	0.0231BJ	0.036BJ	0.0238BJ	0.004U	0.004UJ	0.037B	0.0357B	0.0255BJ	0.0207BJU
Zinc	0.0862J	0.458J	0.151J	0.0092BE	0.0239J	0.261E	0.234E	0.107J	.0863J
Volatile Organics (ug/l)									
Acetone	50U	18U	27U	8J	10U	10U	10U	10U	10U
Carbon Tetrachloride	32	10U	20U	5U	10U	5U	5U	10U	10U
1,1-Dichloroethane	50U	2J	59	5U	10U	5U	5U	10U	10U
1,1-Dichloroethylene	8J	10U	3J	5U	10U	5U	5U	10U	10U
1,2-Dichloroethene (total)	50U	10U	20U	5U	10U	5U	5U	10U	10U
1,2-Dichloropropane	50U	10U	20U	5U	10U	5U	5U	10U	10U
Ethylbenzene	50U	10U	20U	5U	10U	5U	5U	10U	10U
Methylene Chloride	50U	10U	20U	5U	10U	5U	5U	10U	10U
Tetrachloroethene	310	60	20U	9	10U	47	40	31U	38U
Toluene	50U	10U	20U	5U	10U	5U	5U	10U	10U
1,1,1-Trichloroethane	410	16	31J	5U	10U	5U	5U	2J	2J
Trichloroethene	750	11	28J	5U	10U	7	3	1.3J	2.1J
Xylenes	50U	10U	20U	5U	10U	5U	5U	10U	10U

NA = Not Analyzed

Table 8, Continued.

Sample Number	MW-26	MW-25	PGP-1	PGP-2	PGP-3	PGP-3	PGP-4S	PGP-4D	PGP-6
Date Sampled	03/10/92	02/17/93	02/16/93	02/16/93	02/18/93	02/18/93	02/17/93	02/17/93	02/24/93
						Duplicate			13.0-15.0
Inorganics (mg/l)									
Aluminum	0.7	4.73	0.649UJ	2.91UJ	0.432U	0.1589	0.946J	0.814J	3.54UJ
Antimony	0.016U	0.035UN	0.016UN	0.016UN	0.035UN	0.035UN	0.035UN	0.035UN	0.024UN
Arsenic	0.006U	0.00425J	0.002UNJ	0.0048BNJ	0.002UNJ	0.002UN	0.0025BNJ	0.0047BNJ	0.0018BWNJ
Barium	0.00642B	0.162B	0.0499B	0.147B	0.096B	0.0942B	0.0942B	0.117B	0.176B
Beryllium	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U
Cadmium	0.002U	0.002U	0.003U	0.003U	0.002U	0.002U	0.002U	0.002U	0.002B
Calcium	60	181	148	303	142	128	153	232	546
Chromium	0.003U	.0163	0.006UJ	0.020J	0.004U	0.004U	0.004U	0.0054BJ	0.0186UJ
Cobalt	0.006U	0.012B	0.006UJ	0.0073BJ	0.005UJ	0.005U	0.0072BJ	0.0058BJ	0.0118B
Copper	0.004U	0.0412	0.009BJ	0.037J	0.0078BU	0.003U	0.0164B	0.0107BU	0.0284J
Cyanide (amenable)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Cyanide (total)	0.010U	0.010U	0.010U	0.010U	0.010U	0.010U	0.010U	0.010U	0.010UN
Iron	1.22	13	1.17J	11.9J	1.45J	0.633	3.33J	4.94J	12.1J
Lead	0.0043W	0.249	0.0032NJ	0.0153NJ	0.0012BU	0.001U	0.0061	0.0045U	0.0198
Magnesium	26.6	62.8	46.8	81.6	44.2	38.8	44.1	40.7	135
Manganese	0.357	2.07	0.130J	0.802J	0.124J	0.0549	0.394J	0.506J	1.86
Mercury	0.0002U	0.0002U	0.0002UN	0.0002UN	0.0002UN	0.0002UN	0.00033N	0.0002UN	0.0002U
Nickel	0.008U	0.0401	0.0822J	0.693J	0.018UJ	0.018U	0.0653J	0.400J	0.305J
Potassium	2.25B	2.64B	0.892BU	2.82BU	3.22BJ	2.77B	3.09BJ	3.82BJ	5.94J
Selenium	0.002U	0.001U	0.001BNU	0.001UWN	0.001U	0.001U	0.001U	0.001UW	0.0012BWNUJ
Silver	0.001U	0.003U	0.002U	0.002U	0.003U	0.003U	0.003U	0.003U	0.003U
Sodium	25.7	28	15.1J	17.9J	6.26E	5.99E	8.0E	9.29E	16.1
Thallium	0.002U	0.002U	0.003UW	0.003UW	0.002UW	0.002UW	0.002UW	0.002UW	0.002UWN
Vanadium	0.006U	0.0164B	0.006U	0.0144BJ	0.004UJ	0.004U	0.004UJ	0.004UJ	0.0174BUJ
Zinc	0.0172B	0.103	0.0565EJ	0.614EJ	0.0566J	0.0234	0.173J	0.289J	0.469J*
Volatile Organics (ug/l)									
Acetone	10U	10U	7J	9J	10U	10U	500U	1051U	15U
Carbon Tetrachloride	5U	10U	10U	10U	10U	10U	500U	1000U	10U
1,1-Dichloroethane	5U	10U	10U	10U	2J	1J	138J	817J	10U
1,1-Dichloroethylene	5U	10U	10U	10U	10U	10U	500U	1000U	10U
1,2-Dichloroethene (total)	5U	10U	10U	10U	2J	2J	500U	1000U	10U
1,2-Dichloropropane	5U	10U	10U	10U	10U	10U	500U	1000U	10U
Ethylbenzene	5U	10U	10U	10U	10U	10U	500U	1000U	10U
Methylene Chloride	5U	10U	10U	10U	10U	10U	500U	1000U	10U
Tetrachloroethene	2J	19	10U	10U	10U	10U	3004	6740	10U
Toluene	5U	10U	10U	10U	10U	10U	500U	1000U	3J
1,1,1-Trichloroethane	5U	10U	10U	10U	1J	1J	8722	1159	10U
Trichloroethene	5U	11	10U	10U	10U	10U	5457	4244	10U
Xylenes	5U	10U	10U	10U	10U	10U	500U	1000U	1J

NA = Not Analyzed

Table 8, Continued.

Sample Number	PGP-6	PGP-6	PGP-7	PGP-7	PGP-7Dup	PGP-7	PGP-8	PGP-9	PGP-10
Date Sampled	02/24/93	02/24/93	02/24/93	02/24/93	02/24/93	02/24/93	02/26/93	02/24/93	03/02/903
	18.0-20.0	25-27	13-15	19-21	19-21	24.5-26.5			
Inorganics (mg/l)									
Aluminum	3.17*J	3.6*J	3.04*J	2.02*J	1.78*J	0.48*UJ	2.46*J	2.13J	4.23*J
Antimony	0.024UN	0.024UN	0.024UN	0.024UN	0.024UN	0.024UN	0.024UN	0.024UN	0.024UN
Arsenic	0.0015BWNJ	0.037BUJ	0.0016BUJ	0.0048BWNJ	0.0026BNJ	0.002UNJ	0.002UNJ	0.0018BNJ	0.002UNJ
Barium	0.124B	0.174B	0.142B	0.131B	0.128B	0.110B	0.147B	0.118B	0.111B
Beryllium	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U
Cadmium	0.002U	0.0023B	0.002U	0.002U	0.002U	0.002U	0.002U	0.002U	0.002U
Calcium	380	292	381	232	230	159	287	269	271
Chromium	0.0114UJ	0.0283J	0.0462J	0.0133UJ	0.0076BUJ	0.0057BUJ	0.013J	0.0128JU	0.0099BUJ
Cobalt	0.0104B	0.0127B	0.0266B	0.0212B	0.0143B	0.005U	0.0365B	0.005U	0.0074B
Copper	0.0219B	0.0309J	0.0326J	0.0189BU	0.0174BU	0.0073BU	0.0209BU	0.0148BU	0.027J
Cyanide (amenable)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Cyanide (total)	0.010UN	0.010UN	0.010UN	0.010UN	0.010UN	0.010UN	0.010UN	0.010UN	0.010UN
Iron	11.9*J	19.1J	19.4*J	12*J	9.92*J	2.36*UJ	9.68*J	7.54J	9.78*J
Lead	0.0193	0.02133	0.0336	0.0329	0.0244	0.0037	0.0133S	0.0122S	0.0327
Magnesium	134	96.2	129	80.7	73.6	49.2	89.6	89	107
Manganese	0.825	0.971	1.38	1.04	0.933	0.229	1.53	0.497	0.96
Mercury	0.0002U	0.0002U	0.0002U	0.0002U	0.0002U	0.0002U	0.0002U	0.0002U	0.0002U
Nickel	0.0935J	0.183J	0.180J	0.0392JB	0.03BJ	0.027UJ	0.0548J	0.027UJ	0.027UJ
Potassium	3.4JB	7.81J	3.46BJ	2.34JB	2.13JB	3.66BJ	3.35BJ	1.97BJ	1.74BJ
Selenium	0.001UWNJ	0.0015BNJ	0.001UWN	0.0016BUJ	0.001UNJ	0.001UNJ	0.0013BNUJ	.0029BWNUJ	0.001UWNJ
Silver	0.003U	0.003U	0.003U	0.003U	0.003UB	0.003U	0.003U	0.003U	0.003U
Sodium	11.2J	9.92J	6.45J	8.79J	8.97J	10.6J	8.33J	12.4J	15.7J
Thallium	0.002UWN	0.002UWN	0.002UWN	0.002UWN	0.002UWN	0.002UN	0.002UN	0.002UN	0.002UN
Vanadium	0.0187BUJ	0.0212BJ	0.0182BUJ	0.0163BJ	0.0122BUJ	0.004UJ	0.0124BUJ	0.0105BUJ	0.0161BUJ
Zinc	0.166*J	0.305*J	0.224*J	0.0835*UJ	0.067*J	0.0351*UJ	0.178*J	0.064*UJ	0.0712*UJ
Volatile Organics (ug/l)									
Acetone	12U	10U	16U	13U	13U	10U	10U	10U	10U
Carbon Tetrachloride	10U	10U	10U	10U	10U	10U	10U	10U	10U
1,1-Dichloroethane	10U	2J	10U	10U	10U	10U	10U	18	10U
1,1-Dichloroethylene	10U	10U	10U	10U	10U	10U	10U	6J	10U
1,2-Dichloroethene (total)	2J	42	10U	10U	10U	10U	10U	10U	10U
1,2-Dichloropropane	10U	10U	10U	10U	10U	10U	10U	10U	10U
Ethylbenzene	10U	10U	10U	10U	10U	10U	10U	10U	10U
Methylene Chloride	10U	10U	10U	10U	10U	10U	10U	2J	10U
Tetrachloroethene	10U	10U	10U	10U	10U	10U	51	10U	10U
Toluene	4J	10U	10U	10U	10U	10U	10U	10U	10U
1,1,1-Trichloroethane	2J	11	2J	14	14	10U	82	340E	15
Trichloroethene	10U	1J	1J	18	14	10U	120J	1000E	10U
Xylenes	2J	10U	10U	10U	10U	10U	10U	10U	10U

NA = Not Analyzed

Table 8, Continued.

Sample Number	PGP-10	PGP-12	PGP-13	PGP-13	PGP-14	PGP-15	PGP-16	PGP-16	PGP-18
Date Sampled	03/02/93	05/21/93	05/21/93	05/21/93	05/21/93	04/29/94	04/29/94	04/29/94	04/29/94
	Duplicate			Duplicate				Duplicate	
Inorganics (mg/l)									
Aluminum	0.(?)J	2.66J	0.330U	0.585	2.75J	21.9	2.56J	0.490UJ	12.7
Antimony	0.024UN	0.023U	0.023U	0.023U	0.023U	0.053U	0.053U	0.053U	0.053U
Arsenic	0.002UNJ	0.0061B	0.002U	0.002U	0.0036B	0.0054B	0.0041B	0.002U	0.0065B
Barium	0.0997B	0.918	0.0792B	0.0679B	0.125B	0.430	0.120J	0.0787	0.187B
Beryllium	0.001U	0.001U	0.001U	0.001U	0.001U	0.0017B	0.001U	0.001U	0.001B
Cadmium	0.002U	0.003U	0.003U	0.003U	0.003U	0.004U	0.004U	0.004U	0.004U
Calcium	271	493	197	149	213	871	239J	139J	446
Chromium	0.0107UJ	0.0237U	0.0072U	0.0067U	0.0285U	0.110	0.0082B	0.006U	0.0472
Cobalt	0.005U	0.0078B	0.0095B	0.006U	0.006U	0.05	0.009U	0.009U	0.042B
Copper	0.0278J	0.0312	0.0097B	0.0104B	0.0351	0.114	0.023UJ	0.0136UJ	0.137
Cyanide (amenable)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Cyanide (total)	0.010UN	0.010U	0.010U	0.010U	0.010U	0.010U	0.010U	0.010U	0.010U
Iron	10.1U	15.6	2.85U	2.35U	9.71	61.6	10.4J	2.0J	61.8
Lead	0.0323	0.0199	0.0027U	0.0035U	0.0189	0.0615	0.0071UJ	0.0025UJ	0.044
Magnesium	97.8	64.9	26.1	44.4	71.4	312	75.5	39.3J	157
Manganese	0.016	1.74	0.754	0.180U	1.39	5.71	0.992J	0.150J	3.33
Mercury	0.0002U	0.0002U	0.0002U	0.0002U	0.0002U	0.00026	0.0002U	0.0002U	0.00022
Nickel	0.0308BJ	0.0314B	0.0209B	0.007U	0.0375B	0.162	0.0146B	0.012U	0.124
Potassium	2.08BJ	6.02	1.54B	2.06B	1.82B	5.73	2.83B	2.35B	3.58B
Selenium	0.001UNJ	0.002U	0.002U	0.002U	0.002U	0.002U	0.0028B	0.0034B	0.002U
Silver	0.003U	0.007U	0.007U	0.007U	0.007U	0.006U	0.006U	0.006U	0.006U
Sodium	15.8	15.2	16.8U	27.9	17.8U	30.7	23.5J	23.5J	11.8
Thallium	0.002UN	0.002U	0.002U	0.002U	0.002U	0.002U	0.002U	0.002U	0.0025B
Vanadium	0.0144BUJ	0.0084B	0.005U	0.005U	0.0068B	0.0596	0.0114B	0.008U	0.0412B
Zinc	0.0767*UJ	0.160U	0.377	0.063U	0.181U	0.891	0.0397UJ	0.0145UJ	0.359
Volatile Organics (ug/l)									
Acetone	9J	10U	7J	10U	10U	10U	25U	25U	10U
Carbon Tetrachloride	10U	10U	10U	10U	10U	5U	12U	12U	5U
1,1-Dichloroethane	10U	10U	10U	10U	10U	5U	12U	12U	5U
1,1-Dichloroethylene	10U	10U	10U	10U	10U	5U	12U	12U	5U
1,2-Dichloroethene (total)	10U	10U	10U	10U	10U	5U	12U	12U	5U
1,2-Dichloropropane	10U	10U	10U	10U	10U	5U	12U	12U	5U
Ethylbenzene	10U	10U	10U	10U	10U	5U	12U	12U	5U
Methylene Chloride	10U	10U	10U	10U	10U	6U	22UJ	32UJ	12U
Tetrachloroethene	10U	10U	10U	10U	10U	79	12U	12U	5U
Toluene	10U	10U	10U	10U	10U	5U	12U	12U	5U
1,1,1-Trichloroethane	13	10U	10	11	10U	37	100	98	51
Trichloroethene	10U	10U	22	25	10U	75	400J	380	170
Xylenes	10U	10U	10U	10U	10U	5U	12U	12U	5U

NA = Not Analyzed

Table 9. Summary of Redevelopment Activities, Unit D Monitoring Wells.

Well No.	Date	Elapsed Time (min.)	Flow Rate (GPM)	Volume (gal.)	Total Volume
MW-23	29 July 92	31	3.3	102	
		60	4.0	240	342
	07 Jan. 93	70	2.0	140	140
	16 Feb. 93	90	3.0	270	270
					752
MW-25	29 July 92	32	1.5	48	
		16	1.7	27	
		71	2.0	142	217
	07 Jan. 93	25	2.5	63	
		115	2.0	230	293
	16 Feb. 93	145	2.5	363	363
					873
IT-1A	29 July 92	36	0.7	25	
		52	0.8	42	67
	07 Jan. 93	70	0.8	56	56
	16 Feb. 93	180	0.8	144	144
					267

GPM=Gallons per Minute

JDB/Table11A.wk1

Table 10. RFI Ground Water VOC Screening Analytical Results

	SGP-9	SGP-10	SGP-11	SGP-12	SPG-13	SGP-14
1,1-Dichloroethane	<1.0	<1.0	<1.0	4.7	8.0	<1.0
1,1,1-Trichloroethane	32.8	<1.0	44.2	57.2	99.3	3.7
Tetrachloroethene	53.7	<1.0	8.0	<1.0	<1.0	10.9
Trichloroethene	63.8	<1.0	133.9	319.2	397.7	13.6

	SGP-15	SGP-16	SGP-17	SGP-18	SGP-19	SGP-20
1,1-Dichloroethane	<1.0	18.0	14.3	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	25.8	195.6	103.4	21.2	<1.0	30.4
Tetrachloroethene	136.5	<1.0	5.5	<1.0	<1.0	<1.0
Trichloroethene	53.1	812.3	544.7	107.2	<1.0	271.4

	SGP-21	SGP-22	SGP-23	SGP-24	SGP-25	SGP-26
1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	45.4	<1.0	<1.0	17.8	<1.0	35.1
Tetrachloroethene	20.4	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	43.5	<1.0	<1.0	113.7	<1.0	161.9

	SGP-27	SGP-28	SGP-29	SGP-30	SGP-31	SGP-32
1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0	71.2	<1.0
1,1,1-Trichloroethane	<1.0	<1.0	11.8	16.1	538.5	<1.0
Tetrachloroethene	<1.0	<1.0	44.9	48	1235.1	<1.0
Trichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

All results reported in units of Parts Per Billion (PPB) (or ug/l).