Table 2-1
WOC Ownership, 1957 to 1971

8/2/57 to 5/29/59	Andrew & Mary Tell
5/29/59 to 7/10/59	U.S. Electronics Development Corp.
7/10/59 to 7/20/60	Topp Industries, Inc. - United Industrial Corporation merged with Topp, 12/31/59
7/20/60 to 9/60	U. S. Semiconductor Products, Inc., a wholly-owned subsidiary of United Industrial Corporation
9/60 to 5/61	U. S. Semiconductor Products, Inc., a majority-owned subsidiary of United Industrial Corporation
5/61 to 10/29/65	Nuclear Corporation of America (deed recorded 5/4/62)

Table 2-2
WOC Ownership Since 1971

West Parcel	
6/22/71 to 6/27/78	Components Inc.
6/27/78 to 2/28/00	Charles May
2/28/00 to present	Elm Properties LLC
Middle Parcel	
6/22/71 to 10/27/76	Components Inc.
10/27/76 to 12/23/86	Marbar Corp.
12/23/86 to 12/29/92	Pincus Family Trust
12/29/92 to present	Charles Delaney
East Parcel	
6/22/71 to 12/2/76	Components Inc.
12/2/76 to 9/20/02	Eugene and Laura Perri
9/20/02 to present	Seven Angels LLC

Table 2-3
Septic System Records

Date of Record	Date Inspected	Permit Number	Issued To	Permitted Activity
3/10/58	3/18/58	1229	U.S. Semiconductor	Construct one 3500-gallon septic tank and four 4-foot diameter seepage pits
Undated	8/4/59 and 8/10/59	4350	U.S. Semiconductor	Construct one 1500-gallon septic tank and one 4-foot diameter seepage pit. Install a marble bed.
Undated	NA	4621 and 4622	U.S. Semiconductor	Alter two 5-foot diameter seepage pits at existing septic tank
10/25/61	NA	5711	Nuclear Corp. of America	Construct one 1500-gallon septic tank and one 4-foot diameter seepage pit. Identified on permit as the "north system."
10/25/61	NA	5712	Nuclear Corp. of America	Construct one 750-gallon septic tank and one 4-foot diameter seepage pit. Identified on permit as "south system."
11/13/62	11/8/62*	5655 and 7230	U.S. Semiconductor	Alter one 5-foot diameter seepage pit and one 2,000-gallon septic tank

*Note: The permits were issued after the inspections. No description of the alterations were provided on the inspection forms.

Table 2-4
Correlation Chart for Basin Fill

USBR (1976)	ADWR (1993)	Depth (ft)	USGS (1989)
UPPER ALLUVIAL UNIT	UPPER ALLUVIAL UNIT (UAU)	0	UPPER UNIT
		50	
		100	
		150	
		200	
		250	MIDDLE UNIT (QTs)
		300	
		350	
MIDDLE FINE-GRAINED UNIT	MIDDLE ALLUVIAL UNIT (MAU)	400	UPPER PART OF THE LOWER UNIT (Tsu)
		450	
		500	
		550	
		600	
		650	
		700	
		750	
		800	
		850	
		900	
LOWER CONGLOM-ERATE UNIT	LOWER ALLUVIAL UNIT (LAU)	950	LOWER PART OF THE LOWER UNIT (Tsl)
		1000	
		1050	
		1100	
		1150	
		1200	
		1250	
		1300	
		1350	
		1400	
		1450	

Table 2-5
Subunits of Upper Alluvial Unit

Subunits of Upper Alluvial Unit	***Approximate Interval (ft)***	***Approximate Thickness (ft)***
Upper finer-grained subunit	0 to 50	50
Upper coarser-grained subunit	50 to 120	70
Middle finer-grained subunit	120 to 245	125
Lower sand and gravel subunit	245 to 285	40
Base of Upper Alluvial Unit	285	

Table 3-1
Concentrations of VOCs and RCRA Metals in Soil* (1991 - 1992)

BORING NUMBER	DEPTH (feet)	VOCs (ug/kg)		RCRA METALS (mg/kg)					
		PCE	TCE	Ag	Ba	Cd	Cr	Hg	Pb
SB1	20	<5	<5	<1	113	<0.5	25.7	<0.1	5.3
	40	<5	<5	<1	57.2	<0.5	13.8	<0.1	<5
	70	<5	<5	<1	114	<0.5	25.7	<0.1	<5
SB2	15	<5	<5	<1	54.4	<0.5	17.8	<0.1	<5
	20	<5	<5	<1	75.3	<0.5	17.5	<0.1	5.2
SB3	10	<5	<5	<1	77.1	<0.5	15.1	<0.1	<5
	20	<5	<5	<1	147.0	<0.5	25	<0.1	<5
SB4	10	10	<5	<1	76.0	<0.5	4.1	<0.1	<5
	20	<5	<5	<1	74.7	<0.5	13.4	<0.1	<5
	55	<5	<5	<1	29.0	<0.5	14.9	<0.1	<5
SB5	25	<5	<5	<1	72.6	<0.5	10.7	<0.1	<5
	30	<5	<5	<1	99.5	<0.5	11.1	<0.1	<5
SB5A	5	12	<5	<1	54.3	<0.5	19.2	<0.1	<5
SB6	10	<5	<5	<1	95.8	<0.5	22.6	<0.1	<5
	40	<5	<5	<1	62.5	<0.5	9	<0.1	<5
	50	<5	<5	<1	32.0	<0.5	57	<0.1	<5
SB7	15	<5	<5	NA	NA	NA	NA	NA	NA
	20	<5	<5	NA	NA	NA	NA	NA	NA
SB8	10	<5	<5	NA	NA	NA	NA	NA	NA
	20	<5	<5	NA	NA	NA	NA	NA	NA
SB9	10	6.2	<5	NA	NA	NA	NA	NA	NA
	20	<5	<5	NA	NA	NA	NA	NA	NA
SB10	15	<5	<5	NA	NA	NA	NA	NA	NA
	20	<5	<5	NA	NA	NA	NA	NA	NA
SB11	15	<5	<5	NA	NA	NA	NA	NA	NA
	20	<5	<5	NA	NA	NA	NA	NA	NA
SB12	20	<5	<5	<1	57	<0.5	11.3	<0.1	<5
	40	<5	<5	<1	70.4	<0.5	6.3	<0.1	<5
	70	<5	<5	<1	34.6	<0.5	13.8	<0.1	<5
SB13	20	<5	<5	<1	28.5	<0.5	4	<0.1	<5
	60	<5	<5	<1	61.2	<0.5	19.1	<0.1	<5
	70	<5	<5	<1	43.8	<0.5	22.2	<0.1	<5
SB14	10	<5	<5	NA	NA	NA	NA	NA	NA
	20	<5	<5	NA	NA	NA	NA	NA	NA
SB15	30	<5	<5	<1	36.9	<0.5	9.4	<0.1	<5
	50	<5	<5	<1	64.5	<0.5	13.2	<0.1	<5
	70	<5	<5	<1	113	<0.5	22.3	<0.1	<5
SB16	20	<5	<5	<1	61.8	<0.5	13.2	<0.1	<5
	50	<5	<5	<1	54.4	<0.5	6	<0.1	<5
SB17	20	<5	<5	<1	40.3	<0.5	10.6	<0.1	<5
	30	<5	<5	<1	195	<0.5	17	<0.1	<5
SB18	20	<5	<5	<1	39.9	<0.5	4.8	<0.1	<5
	30	<5	<5	<1	111.0	<0.5	22.2	<0.1	<5
	70	<5	<5	<1	56.1	<0.5	13.4	<0.1	<5
SB19	10	<5	<5	<1	45.4	<0.5	7.9	<0.1	<5
	40	<5	<5	<1	152.0	<0.5	20.3	<0.1	<5
	60	<5	<5	<1	60.6	<0.5	11.2	<0.1	<5
SB20	20	<5	<5	<1	80.1	<0.5	11.8	<0.1	5.1
	35	<5	<5	<1	115.0	<0.5	15.7	<0.1	5.3
SB21	5	<5	<5	<1	134.0	<0.5	28.7	<0.1	5.9
SB22	15	<5	<5	<1	119	<0.5	13.6	<0.1	<5
	30	<5	<5	<1	57.7	<0.5	8.4	<0.1	<5

Table 3-1
Concentrations of VOCs and RCRA Metals in Soil* (1991 - 1992)

BORING NUMBER	DEPTH (feet)	VOCs (ug/kg)		RCRA METALS (mg/kg)					
		PCE	TCE	Ag	Ba	Cd	Cr	Hg	Pb
SB23	10	<5	<5	<1	90.1	<0.5	23.7	<0.1	<5
	20	<5	<5	<1	49.7	<0.5	14.5	<0.1	<5
SB24	10	<5	<5	<1	91.9	<0.5	14.3	<0.1	5.6
	40	<5	<5	<1	62.9	<0.5	11.3	<0.1	<5
	60	<5	<5	<1	234	<0.5	6.9	<0.1	<5
SB25	10	<5	<5	<1	103	<0.5	22.4	<0.1	6.6
	20	<5	<5	<1	86.3	<0.5	12.5	<0.1	<5
SB26	10	20	15	1	21.3	<0.5	23.4	1.2	<5
	20	<5	<5	<1	60.6	0.62	58.4	11.4	5
SB27	5	<5	<5	NA	NA	NA	NA	NA	NA
	20	<5	<5	NA	NA	NA	NA	NA	NA
SB28	5	<5	<5	NA	NA	NA	NA	NA	NA
	20	<5	<5	NA	NA	NA	NA	NA	NA
SB29	5	<5	<5	NA	NA	NA	NA	NA	NA
	20	<5	11	NA	NA	NA	NA	NA	NA
SB30	5	<5	<5	NA	NA	NA	NA	NA	NA
	20	<5	<5	NA	NA	NA	NA	NA	NA
SB31	5	<5	<5	NA	NA	NA	NA	NA	NA
	20	<5	<5	NA	NA	NA	NA	NA	NA
SB32	5	<5	<5	NA	NA	NA	NA	NA	NA
	20	<5	<5	NA	NA	NA	NA	NA	NA
SB33	50	<5	<5	<1	33	<0.5	8	<0.1	<5
	40	<5	<5	<1	18.9	<0.5	6	<0.1	<5
	70	<5	<5	<1	108	<0.5	22.6	<0.1	5.7
SB34	10	<5	<5	<1	108	<0.5	21.7	<0.1	6.1
	40	<5	<5	<1	36.2	<0.5	13.6	<0.1	<5
	70	<5	<5	<1	76.8	<0.5	26.4	<0.1	<5
SB35	10	<5	<5	<1	87.8	<0.5	16	<0.1	<5
	20	<5	<5	<1	114	<0.5	13.9	<0.1	5.5
	70	<5	<5	<1	26.8	<0.5	7.3	<0.1	<5
R-SRL[2]		53,000	27,000	380	5,300	38	2,100	6.5 [4]	400
NR-SRL [3]		170,000	70,000	8,500	110,000	850	4,500	68 [4]	2,000
GPL [4]		1,300	610	NA	12,000	29	590	12	290

* Only detected compounds are shown

[1] Residential Soil Remediation Level as publcished by ADEQ, December 4, 1997

[2] Non-Residential Soil Remediation Level as published by the ADEQ, December 4, 1997

[3] Minimum Groundwater Protection Level as published by the ADEQ, September 1996

[4] Methyl mercury

NA = Not Analyzed | Ag = Silver | Cr = Chromium

PCE = Tetrachloroethylene | Ba = Barium | Hg = Mercury

TCE = Trichloroethylene | Cd = Cadmium | Pb = Lead

Table 3-2
Construction Data for Wells Drilled by BCC

Well ID	Location (Parcel)	Total Depth (ft bgs)	Depth to Groundwater 4/14/92 (ft/bgs)	Screened Interval (ft bgs)
MW-1S	East	130	98.34	90-130
MW-2S	West	120	94.96	90-120
MW-3S	West	100	69.56	55-95
MW-4S	Middle	125	82.32	85-125
MW-5S	Middle	135	96.52	95-135

Table 3-3
Historical Concentrations of TCE in Groundwater (µg/L)

	8/16/91	2/19/92	3/19-20/92	2/5/96
MW-1S	75		55	25
MW-2S	ND		3.3	<0.5
MW-3S	ND		ND	<0.5
MW-4S		450	1200	40
MW-5S		1600		37
WOC Irrigation Well				
Date	***TCE***	***Comment***		
6/15/84	283			
7/2/84	260			
8/29/84	340	Duplicate sample		
8/29/84	270			
7/20/87	291			
5/22/91	23 to 90	Depth-specific sampling, non-pumping		
6/27/91	16 to 40	Depth-specific sampling, pumping		
3/19/92	1000			
3/20/92	17	After 199 min of pumping and 84 min of recovery		

Table 4-1
Concentrations of VOCs* snf RCRA Metals in Contents and Concrete of Wastewater Disposal Systems (1996)

SAMPLE DESIGNATION	DESCRIPTION	Date Sampled	VOCs				RCRA Metals								
			TCE	PCE	1,1,2-TCA	Units	Ag	As	Ba	Cd	Cr	Hg	Pb	Se	Units
Septic Tank Contents															
TT1-SEP	Septic Tank 1 grab sample	7/18/1996	<50	66	98	µg/kg	26	11	100	0.44	68	3.1	19	<1	mg/kg
ST1-SL-8	Septic Tank 1 grab sample	7/24/1996	210	92	<50	µg/kg	94	8.9	210	0.78	390	5000	41	<1	mg/kg
ST2-SL	Septic Tank 2 grab sample	7/19/1996	300	<50	<50	µg/kg	180	19	160	0.71	36	4.8	58	<1	mg/kg
ST2-SL-10	Septic Tank 2 grab sample	7/23/1996	57	<50	<50	µg/kg	21	4.6	94	<0.1	<0.5	1	4.3	<1	mg/kg
ST3-SL-10	Septic Tank 3 grab sample	8/19/1996	85,000	<10,000	<10,000	µg/kg	98	1.8	69	6.4	23	9.5	130	1.1	mg/kg
ST4-SL-1	Septic Tank 4 grab sample	7/25/1996	<50	<50	<50	µg/kg	<0.5	<0.5	2.3	<0.1	0.63	0.035	<1	<1	mg/kg
ST4-SS-1	Septic Tank 4 grab sample	7/25/1996	<50	<50	<50	µg/kg	<0.5	0.59	65	<0.1	2.3	0.026	2.5	<1	mg/kg
ST5-SL	Septic Tank 5 grab sample	8/14/1996	74	50	NA	µg/kg	<50	<50	<10	<10	<50	15	270	<1000	mg/kg
TCLP Extract of Soil, ST1-SL-8	Septic Tank 1 TCLP extract	7/24/1996	210	92	<50	µg/kg	<0.5	<0.5	0.29	<0.1	<0.5	<0.02	<0.5	<0.1	mg/L
TCLP Extract of Soil, TT1-SEP	Septic Tank 1 TCLP extract	7/18/1996	9.40	0.27	NA	mg/L	<0.5	<0.5	<10	<0.1	<0.5	<0.02	<0.5	<0.1	mg/L
TCLP Extract of Soil, ST2-SL	Septic Tank 2 TCLP extract	7/19/1996	<0.05	<0.07	NA	mg/L	0.61	<0.5	<10	<0.1	<0.5	<0.02	<0.5	<0.1	mg/L
TCLP Extract of Soil, ST2-SL-10	Septic Tank 2 TCLP extract	7/23/1996	<0.05	<0.07	NA	mg/L	<0.5	<0.5	<10	<0.1	<0.5	<0.02	<0.5	<0.1	mg/L
TCLP Extract of Soil, ST3-SL10	Septic Tank 3 TCLP extract	8/19/1996	<0.05	<0.07	NA	mg/L	<0.5	<0.5	<10	0.14	<0.5	<0.02	0.61	<0.1	mg/L
TCLP Extract of Soil, ST4-SL-1	Septic Tank 4 TCLP extract	7/25/1996	<0.05	<0.07	NA	mg/L	<0.5	<0.5	<10	<0.1	<0.5	<0.02	<0.5	<0.1	mg/L
TCLP Extract of Soil, ST5-SL	Septic Tank 5 TCLP extract	8/14/1996	<0.05	<0.07	NA	mg/L	<5	<0.5	<10	<0.1	<0.5	<0.02	<0.5	<1	mg/L
Seepage Pit Contents															
EP Sludge	Seepage Pit ST4-SP10, grab sample	9/5/1996	<50	<50	<50	µg/kg	<5	4	53	0.17	12	0.028	4	1.1	mg/kg
EP Water	Seepage Pit ST4-SP10, grab sample	9/6/1996	28	<0.5	<0.5	mg/L	<0.05	<0.1	1.7	<0.05	0.3	0.0032	<0.5	0.34	mg/L
Pipe Investigation															
PT-2L	Pipe investigation water sample from excavation	10/22/1997	52	6	0.5 [3]	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
WOWP-01	Pipe investigation by SRP, water samples from the pipe	1/12/1998	<4; <0.5	<4; <0.5	<4; <0.5	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
WOWS-01	Pipe investigation by SRP, sludge sample from the pipe	1/12/1998	<25; <50	<25; <50	<25; <50	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Concrete															
ST3-East-CR	Septic tank 3 east chamber concrete wall	11/5/1996	<50	<50	<50	µg/kg	<0.5	0.73	78	<0.1	7.7	0.0046	4.1	<1	mg/kg
DBOX-CR	Distribution box concrete sample	11/5/1996	<50	<50	<50	µg/kg	<0.5	1.5	72	0.37	6.9	0.011	3.1	1.2	mg/kg
ST3-West-CR	Septic tank 3 west chamber concrete wall	11/5/1996	<50	<50	<50	µg/kg	<0.5	1.1	74	<0.1	8.7	0.0032	3	<1	mg/kg
TCLP Extract of a Solid, DBOX-CR	TCLP extract, distribution box concrete sample	11/5/1996	<0.05	<0.07	NA	µg/kg	<0.5	<0.5	0.29	<0.1	<0.5	<0.02	<0.5	<0.1	mg/L
TCLP Extract of Soil, ST3-East-CR	TCLP extract, septic tank 3 east chamber concrete wall	11/5/1996	<0.05	<0.07	NA	µg/kg	<2.5	<2.5	<50	<0.5	<2.5	<0.02	<2.5	<0.5	mg/L
TCLP Extract of Soil, ST3-West-CR	TCLP extract, septic tank 3 west chamber concrete wall	11/5/1996	<0.05	<0.07	NA	µg/kg	<0.5	<0.5	<10	<0.1	<0.5	<0.02	<0.5	<0.1	mg/L
		RCRA[1] TCLP [2]	0.5	0.7		mg/L	5.0	5.0	100.0	1.0	5.0	0.2	5.0	1.0	mg/L

* PCE, TCE and 1,1,2-TCA were the only VOCs detected
PCE = Tetrachloroethylene
TCE = Trichloroethylene
1,1,2 -TCA = 1,1,2 Trichlorethane
Ag = Silver
As = Arsenic
Ba = Barium
Cd = Cadmium
Cr = Chromium
Hg = Mercury
Pb = Lead

µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
mg/L = milligrams per liter
N/A = Not applicable
NA = Not analyzed

[1] Resource Conservation and Recovery Act
[2] Toxicity Characteristic Leaching Procedure
[3] 1,1-Dichloroethene detected at 3.2 ug/L

Table 4-2
Concentrations of VOCs* and RCRA Metals in Soil (1996)

SAMPLE DESIGNATION	DESCRIPTION	DEPTH (feet)	DATE SAMPLED	VOCs (ug/kg)		RCRA Metals (mg/kg)								
				PCE	TCE	Ag	As	Ba	Cd	Cr	Cr (VI)	Hg	Pb	Se
Test Trenches														
TT1-1A, Composite Soil	Test Trench 1 composite sample (10:1)	N/A	7/17/1996	<60	<60	<0.5	5.1	90	<0.1	15	NA	0.0043	3.4	<1
TT1-2A, Composite Soil	Test Trench 1 composite of 10 samples	N/A	7/18/1996	<60	<60	3.1	6.1	87	<0.1	23	NA	0.75	3.9	<1
TT1-3A, Composite Soil	Test Trench 1 composite of 10 samples	N/A	7/18/1996	<60	<60	0.66	5.3	63	<0.1	18	NA	0.47	2.8	<1
TT2-1A, Composite Soil	Test Trench 2 composite of 10 samples	N/A	7/17/1996	<60	<60	<0.5	6.7	120	<0.1	22	NA	0.0045	3.5	<1
TT2-2A, Composite Soil	Test Trench 2 composite of 10 samples	N/A	7/17/1996	<55	<55	<0.5	5.7	98	<0.1	22	NA	0.0058	3.8	<1
TT2-3A, Composite Soil	Test Trench 2 composite of 10 samples	N/A	7/17/1996	<60	<60	<0.5	5.6	83	<0.1	18	NA	0.0043	3.7	<1
TT2-4A, Composite Soil	Test Trench 2 composite of 10 samples	N/A	7/19/1996	<50	<50	24	6.7	98	<0.1	22	NA	0.23	6.2	<1
TT2-5A, Composite Soil	Test Trench 2 composite of 9 samples	N/A	7/19/1996	<50	<50	20	5.5	100	<0.1	23	NA	0.0031	6.8	<1
TT2-6A, Composite Soil	Test Trench 2 composite of 10 samples	N/A	7/23/1996	<50	<50	<0.5	5.4	100	<0.1	19	NA	0.0054	2.8	<1
TT2-7A, Composite Soil	Test Trench 2 composite of 10 samples	N/A	7/23/1996	<50	<50	<0.5	2.5	130	<0.1	19	NA	0.0047	2.6	<1
TT2-8A, Composite Soil	Test Trench 2 composite of 10 samples	N/A	7/23/1996	<50	<50	<0.5	5.3	92	<0.1	21	NA	0.0059	3.3	<1
TT3-1A, Composite Soil	Test Trench 3 composite of 10 samples	N/A	7/15/1996	<60	<60	<0.5	6.7	100	0.13	24	NA	0.01	6.5	<1
TT3-2A, Composite Soil	Test Trench 3 composite of 10 samples	N/A	7/16/1996	<60	<60	<0.5	7.6	98	<0.1	21	NA	0.0064	4	<1
TT4-1A, Composite Soil	Test Trench 4 composite of 10 samples	N/A	7/24/1996	<50	<50	<0.5	3.6	100	<0.1	17	NA	0.0065	3	<1
TT4-2A, Composite Soil	Test Trench 4 composite of 10 samples	N/A	7/24/1996	<50	<50	<0.5	5.4	73	<0.1	14	NA	0.006	3	<1
TT4-3A, Composite Soil	Test Trench 4 composite of 10 samples	N/A	7/24/1996	<50	<50	<0.5	3.9	99	<0.1	17	NA	0.0056	3.4	<1
TT4-4A, Composite Soil	Test Trench 4 composite of 3 samples	N/A	7/24/1996	<50	<50	<0.5	3.8	99	<0.1	18	NA	0.0055	3.4	<1
TT4-5A, Composite Soil	Test Trench 4 composite of 10 samples	N/A	7/25/1996	<50	<50	<0.5	5.1	99	<0.1	17	NA	0.0061	4.4	<1
TT4-6A, Composite Soil	Test Trench 4 composite of 4 samples	N/A	7/25/1996	<50	<50	<0.5	4.1	99	<0.1	12	NA	0.015	2.8	<1
TT4-7A, Composite Soil	Test Trench 4 composite of 6 samples	N/A	7/26/1996	<50	<50	<5	2.5	99	0.1	7.3	NA	0.21	3.9	<1
TT4-8A, Composite Soil	Test Trench 4 composite of 5 samples	N/A	7/31/1996	<50	<50	<0.5	0.75	99	<0.1	2.8	NA	0.093	1.4	<1
TT4-9A, Composite Soil	Test Trench 4 composite of 8 samples	N/A	8/1/1996	<50	<50	<5	6.1	99	<1	29	NA	0.011	<10	<10
TT4-10A, Composite Soil	Test Trench 4 composite of 3 samples	N/A	8/1/1996	<50	<50	<5	<5	99	<1	25	NA	0.015	<10	<10
TT4-11A, Composite Soil	Test Trench 4 composite of 2 samples	N/A	8/14/1996	<50	<50	<0.5	0.6	99	<0.1	2.6	NA	0.13	<1	<1
TT4-12A, Composite Soil	Test Trench 4 composite of 10 samples	N/A	8/15/1996	<50	<50	<0.5	6.9	99	0.55	20	NA	0.0064	2.2	<1
TT4-13A, Composite Soil	Test Trench 4 composite of 2 samples	N/A	8/15/1996	<50	<50	<0.5	6.3	99	0.59	21	NA	0.0055	2.5	1.4
TT5-1A, Composite Soil	Test Trench 5 composite of 2 samples	N/A	8/2/1996	<50	<50	<5	<5	99	<1	28	NA	0.025	<10	<10
TT6-1A, Composite Soil	Test Trench 6 composite of 4 samples	N/A	8/2/1996	<50	<50	<5	<5	99	<1	28	NA	0.0068	<10	<10
TT6-2A, Composite Soil	Test Trench 6 composite of 3 samples	N/A	8/2/1996	<50	<50	<5	<5	99	<1	26	NA	0.0094	17	<10
TT6-3A, Composite Soil	Test Trench 6 composite of 4 samples	N/A	8/2/1996	<50	<50	<50	5.2	99	<1	27	NA	0.052	17	<10
TT6-4A, Composite Soil	Test Trench 6 composite of 4 samples	N/A	8/2/1996	<50	<50	<5	<5	99	<1	24	NA	0.022	<10	<10
TT6-5A, Composite Soil	Test Trench 6 composite of 4 samples	N/A	8/2/1996	<50	<50	<0.5	<5	99	<1	33	NA	0.0083	<10	<10
ST3-TL1	Test Trench 3 grab sample from underneath piping	4	7/15/1996	<50	<50	<0.5	2.1	99	<0.1	11	NA	0.0075	3.1	1.5
ST3-TL2	Test Trench 3 grab sample from underneath piping	4	7/15/1996	<50	<50	<0.5	5.6	99	<0.1	20	NA	0.0068	4.3	<1
ST3-TL3	Test Trench 3 grab sample from underneath piping	4	7/15/1996	<50	<50	<0.5	3.1	99	<0.1	19	NA	0.0069	4.5	<1
TT1-SS1	Test Trench 1 grab sample adjacent to Septic Tank 1	4	7/18/1996	<60	<60	3.2	12	99	1.7	100	NA	1	10	<1
TT2-TL1	Test Trench 2 grab sample from underneath piping	4	7/17/1996	<50	<50	<0.5	3.5	99	<0.1	16	NA	0.0066	12	<1
TT4-SS-2	Test Trench 4 grab sample of stained soil	4	7/26/1996	<50	<50	<5	1.5	99	0.13	5.4	NA	0.25	7	<1
TT6-SP7	Test Trench 6, Seepage Pit 7, grab sample	5	8/2/1996	<50	<50	<5	<5	99	<1	24	NA	0.012	13	<10
TT6-SP8	Test Trench 6, Seepage Pit 8, grab sample	5	8/2/1996	<50	<50	<500	<5	99	<10	<0.5	NA	0.74	47	<100
TT6-SP9	Test Trench 6, Seepage Pit 9, grab sample	5	8/2/1996	<50	<50	<0.5	<5	99	<10	<0.5	NA	0.067	<1000	<1

Table 4-2
Concentrations of VOCs* and RCRA Metals in Soil (1996)

SAMPLE DESIGNATION	DESCRIPTION	DEPTH (feet)	DATE SAMPLED	VOCs (ug/kg)		RCRA Metals (mg/kg)								
				PCE	TCE	Ag	As	Ba	Cd	Cr	Cr (VI)	Hg	Pb	Se
Test Pits														
TP1-1A, Composite Soil	Test Pit 1 composite of 5 samples	N/A	7/26/1996	<50	<50	<5	5.2	80	0.29	18	NA	0.0042	4.3	<1
TP2-1A, Composite Soil	Test Pit 2 composite of 5 samples	N/A	7/26/1996	<50	<50	<5	9.7	99	0.33	20	NA	0.0044	5.1	<1
TP3-1A, Composite Soil	Test Pit 3 composite of 2 samples	N/A	7/30/1996	<50	<50	<5	<5	130	<1	27	NA	0.008	<10	<10
TP4-1A, Composite Soil	Test Pit 4 composite of 5 samples	N/A	7/30/1996	<50	<50	<5	7.4	140	0.27	17	NA	0.006	6.5	<1
TP5-1A, Composite Soil	Test Pit 5 grab sample	N/A	7/31/1996	<50	<50	<0.5	9.2	97	0.53	18	NA	0.0076	3.6	<1
TP6A-1A, Composite Soil	Test Pit 6A composite of 5 samples	N/A	7/31/1996	<50	<50	<0.5	7.7	110	0.44	17	NA	0.0053	3.2	<1
TP6B-1A, Composite Soil	Test Pit 6A composite of 5 samples	N/A	7/30/1996	<50	<50	<5	1	110	<0.1	13	NA	0.0052	4.4	<1
TP7-1A, Composite Soil	Test Pit 6A composite of 5 samples	N/A	7/30/1996	<50	<50	<0.5	4.6	98	0.43	18	NA	0.0062	6.6	<1
TP9-1A, Composite Soil	Test Pit 6A composite of 5 samples	N/A	7/30/1996	<50	<50	<0.5	5.9	96	0.41	18	NA	0.0065	3.2	<1
TP10-1A, Composite Soil	Test Pit 6A composite of 5 samples	N/A	7/30/1996	<50	<50	<5	<0.5	90	<0.1	14	NA	0.0072	4.1	<1
TP1-1-12E	Test Pit 1 grab sample	12	7/26/1996	<50	<50	<0.5	6.4	85	0.35	17	NA	0.0048	5.1	<1
TP1-1-12W	Test Pit 1 grab sample	12	7/26/1996	<50	<50	<5	7.6	120	0.52	26	NA	0.0077	5.9	<1
TP1-15	Test Pit 1 grab sample	15	7/26/1996	<50	<50	<5	8.4	91	0.5	21	NA	0.0024	5.8	<1
TP2-2-11NW	Test Pit 2 grab sample	15	7/26/1996	<50	<50	<5	4.3	89	0.35	18	NA	0.0054	4.5	<1
TP2-2-11SE	Test Pit 2 grab sample	11	7/26/1996	<50	<50	<5	6.1	78	0.4	19	NA	0.0058	5.4	<1
TP2-15	Test Pit 2 grab sample	11	7/26/1996	<50	<50	<5	6.7	57	0.35	18	NA	0.002	4.4	<1
TP3-2.0E	Test Pit 3 grab sample	2	7/30/1996	<50	<50	<0.5	8.6	130	0.45	24	NA	0.0092	7.1	<1
TP3-2.0W	Test Pit 3 grab sample	2	7/30/1996	<50	<50	<0.5	4.6	110	0.32	18	NA	0.011	5.5	<1
TP3-2.5	Test Pit 3 grab sample	2.5	7/30/1996	<50	<50	<0.5	8.1	140	0.45	22	NA	0.0079	6.6	<1
TP4-12E	Test Pit 4 grab sample	12	7/30/1996	<50	<50	<0.5	6.7	120	0.42	23	NA	0.015	7.1	1.2
TP4-12W	Test Pit 4 grab sample	12	7/30/1996	<50	<50	<0.5	4.7	85	0.31	16	NA	0.0074	6.5	<1
TP4-15	Test Pit 4 grab sample	15	7/30/1996	<50	<50	<5	9.2	91	0.31	21	NA	0.0024	6.5	<1
TP5-2	Test Pit 5 grab sample	2	7/31/1996	<50	<50	<0.5	12	100	0.51	18	NA	0.019	8.7	<1
TP5-2N	Test Pit 5 grab sample	2	7/31/1996	<50	<50	<0.5	8.5	97	0.61	20	NA	0.016	4.4	<1
TP5-2S	Test Pit 5 grab sample	2	7/31/1996	<50	<50	<0.5	8.4	100	0.63	21	NA	0.017	4.6	<1
TP6A-12E	Test Pit 6A grab sample	12	7/31/1996	<50	<50	<0.5	3.7	69	0.32	12	NA	0.0074	2.9	<1
TP6A-12W	Test Pit 6A grab sample	12	7/31/1996	<50	<50	<0.5	5.2	90	0.43	16	NA	0.006	3.6	<1
TP6A-15	Test Pit 6A grab sample	15	7/31/1996	<50	<50	<0.5	6.7	100	0.38	15	NA	0.0034	2.8	<1
TP6B-12N	Test Pit 6B grab sample	12	7/30/1996	<50	<50	<5	8.1	110	0.27	19	NA	0.0053	5.8	<1
TP6B-12S	Test Pit 6B grab sample	12	7/30/1996	<50	<50	<5	4.6	85	0.3	15	NA	0.0082	5.7	<1
TP6B-15	Test Pit 6B grab sample	15	7/30/1996	<50	<50	<5	6.8	100	0.3	17	NA	0.0039	6	<1
TP7-12E	Test Pit 7 grab sample	12	7/30/1996	<50	<50	<0.5	5.5	96	0.44	16	NA	0.0067	6	<1
TP7-12W	Test Pit 7 grab sample	12	7/30/1996	<50	<50	<0.5	4.2	86	0.3	15	NA	0.0055	6	<1
TP7-15	Test Pit 7 grab sample	15	7/30/1996	<50	<50	<5	8.6	140	0.24	16	NA	0.0031	5.6	<1
TP9-12E	Test Pit 9 grab sample	12	7/30/1996	<50	<50	<0.5	6.5	110	0.44	22	NA	0.0072	6.9	1.4
TP9-12W	Test Pit 9 grab sample	12	7/30/1996	<50	<50	<0.5	7.2	130	0.47	24	NA	0.0081	6.3	1.1
TP9-15	Test Pit 9 grab sample	15	7/30/1996	<50	<50	<0.5	10	200	0.36	18	NA	0.0034	6	<1
TP10-12N	Test Pit 10 grab sample	12	7/30/1996	<50	<50	<0.5	6.4	87	0.55	20	NA	0.0079	3.8	<1
TP10-12S	Test Pit 10 grab sample	12	7/30/1996	<50	<50	<0.5	8.6	110	0.6	24	NA	0.0064	2.8	<1
TP10-15	Test Pit 10 grab sample	15	7/30/1996	<50	<50	<0.5	13	98	0.41	17	NA	0.0021	2.8	<1
Base of Completed Septic Tank Excavation														
ST1-Base	Septic Tank 1 grab sample from base of excavation	10	11/1/1996	<50	<50	4.5	8.4	72	0.39	200	NA	2.2	11	5.4
ST2-Base	Septic Tank 2 grab sample from base of excavation	10	11/1/1996	<50	<50	<0.5	7.8	81	0.31	19	NA	0.058	4.7	3.7
ST3-Base	Septic Tank 3 grab sample from base of excavation	12	8/19/1996	<50	<50	<0.5	3.6	110	0.23	20	NA	0.0058	3.9	2.8
ST5-Base	Septic Tank 5 grab sample from base of excavation	8	11/1/1996	<50	<50	<0.5	4.4	98	0.17	20	NA	0.71	3.1	3.6

Table 4-2
Concentrations of VOCs* and RCRA Metals in Soil (1996)

SAMPLE DESIGNATION	DESCRIPTION	DEPTH (feet)	DATE SAMPLED	VOCs (ug/kg)		RCRA Metals (mg/kg)								
				PCE	TCE	Ag	As	Ba	Cd	Cr	Cr (VI)	Hg	Pb	Se
Angle Borings														
AB1-20	Angle boring AB-1 split- spoon sample	20	8/19/1996	<50	<50	<0.5	7	170	0.32	23	NA	<0.002	3	<1
AB1-30	Angle boring AB-1 split- spoon sample	30	8/19/1996	<50	<50	<0.5	1.4	62	0.22	14	NA	<0.002	3	<1
AB1-40	Angle boring AB-1 split- spoon sample	40	8/19/1996	<50	<50	<5	3.3	68	<1	16	NA	<0.002	2.2	<1
AB2-20	Angle boring AB-2 split- spoon sample	20	8/23/1996	<50	<50	<0.5	5.4	80	0.28	20	NA	<0.002	3	<1
AB2-40	Angle boring AB-2 split- spoon sample	40	8/23/1996	<50	<50	<0.5	4.6	42	0.42	9.6	NA	<0.002	1.6	<1
AB2-60	Angle boring AB-2 split- spoon sample	60	8/23/1996	<50	<50	<0.5	3.8	65	0.44	16	NA	<0.002	2	<1
AB3-20	Angle boring AB-3 split- spoon sample	20	8/27/1996	<50	<50	<0.5	4.4	48	0.21	12	NA	0.0021	1.1	<1
AB3-40	Angle boring AB-3 split- spoon sample	40	8/27/1996	<50	<50	<0.5	3.5	87	0.15	8.5	NA	0.0035	2.3	<1
AB3-60	Angle boring AB-3 split- spoon sample	60	8/27/1996	<50	<50	<0.5	2.7	26	0.18	14	NA	0.0073	<1	<1
AB4-30	Angle boring AB-4 split- spoon sample	30	8/28/1996	<50	<50	<0.5	0.71	110	0.24	18	NA	0.042	1.7	<1
AB4-40	Angle boring AB-4 split- spoon sample	40	8/28/1996	<50	<50	<0.5	4.4	99	0.25	19	NA	0.018	2.2	<1
AB4-60	Angle boring AB-4 split- spoon sample	60	8/28/1996	<50	<50	<0.5	2.7	88	0.22	19	NA	0.0058	1.4	<1
Vertical Borings														
BH1-20	Boring BH-1 split-spoon sample	20	8/22/1996	160	<50	<0.5	6.5	67	0.58	18	NA	<0.002	1.6	1.3
BH1-40	Boring BH-1 split-spoon sample	40	8/22/1996	61	<50	<0.5	3.2	40	0.53	20	NA	<0.002	2.3	<1
BH1-70	Boring BH-1 split-spoon sample	70	8/22/1996	920	<50	<0.5	7.5	120	0.54	24	NA	<0.002	<1	<1
BH2-40	Boring BH-2 split-spoon sample	40	8/21/1996	<50	<50	<0.5	5.7	59	5.8	20	NA	<0.002	28	16
BH2-70	Boring BH-2 split-spoon sample	70	8/21/1996	<50	<50	<0.5	6.6	82	0.57	27	NA	<0.002	1.2	<1
BH2-90	Boring BH-2 split-spoon sample	90	8/21/1996	<50	<50	<0.5	3.6	100	0.37	31	NA	0.0024	<1	<1
BH3-20	Boring BH-3 split-spoon sample	20	9/3/1996	<50	<50	<5	8.3	95	0.2	26	NA	0.0046	4.5	<1
BH3-40	Boring BH-3 split-spoon sample	40	9/3/1996	<50	<50	<5	4.9	23	0.12	20	NA	0.0026	2.6	<1
BH3-80	Boring BH-3 split-spoon sample	80	9/3/1996	<50	<50	<5	3	57	<0.1	34	NA	0.0046	2.3	<1
Hand-Augered Borings														
HA-1-.65'	Hand auger grab sample	0.65	9/23/1996	<50	<50	<0.5	6.8	87	0.29	24	NA	0.033	5.3	<1
HA-1-4.35'	Hand auger grab sample	4.35	9/23/1996	<50	<50	7.8	4.8	130	0.27	29	NA	0.042	4.8	3.9
HA-2-.65'	Hand auger grab sample	0.65	9/23/1996	<50	<50	<0.5	3.2	61	<0.1	14	NA	0.36	2.8	2.8
HA-2-4.6'	Hand auger grab sample	4.6	9/23/1996	<50	<50	<0.5	5.4	140	0.24	27	NA	0.0058	3.1	4
Seepage Pit Borings														
ST3-SP1-35	Boring ST3-SP1 split-spoon sample	35	8/26/1996	7300	<2000	51	4.3	94	2.9	32	NA	0.42	120	1.6
ST3-SP1-40	Boring ST3-SP1 split-spoon sample	40	8/28/1996	66	<50	<0.5	3.9	52	0.41	18	NA	0.019	3.5	<1
ST3-SP1-50	Boring ST3-SP1 split-spoon sample	50	8/28/1996	<50	<50	<0.5	3.4	70	0.26	11	NA	<0.002	2.2	<1
ST3-SP1-60	Boring ST3-SP1 split-spoon sample	60	8/28/1996	<50	<50	<0.5	4.6	45	0.25	12	NA	<0.002	2.6	<1
ST3-SP1-70	Boring ST3-SP1 split-spoon sample	70	8/28/1996	<50	<50	<0.5	3.3	27	0.16	8.3	NA	0.0021	1.8	<1
ST3-SP1-80	Boring ST3-SP1 split-spoon sample	80	8/29/1996	<50	<50	<0.5	4.3	80	<0.1	20	NA	0.0041	1.8	<1
ST3-SP2-40	Boring ST3-SP2 split-spoon sample	40	8/26/1996	<50	<50	<0.5	2.2	110	0.46	19	NA	0.0044	1	1.4
ST3-SP3-40	Boring ST3-SP3 split-spoon sample	40	8/26/1996	<50	<50	<0.5	4.6	150	0.46	21	NA	<0.002	4.5	<1
ST3-SP4-25	Boring ST3-SP4 split-spoon sample	25	8/26/1996	<50	<50	<0.5	0.91	60	0.21	13	NA	<0.002	3.3	<1
ST3-SP5-40	Boring ST3-SP5 split-spoon sample	40	8/26/1996	<50	<50	<0.5	8.4	130	0.51	26	NA	<0.002	2.2	<1
ST3-SP6-40	Boring ST3-SP6 split-spoon sample	40	8/26/1996	<50	<50	<0.5	5.6	83	0.55	21	NA	<0.002	3	<1
ST3-SP7-40	Boring ST3-SP7 split-spoon sample	40	8/20/1996	<50	<50	<0.5	6.5	140	0.57	19	NA	<0.002	2	<1
ST4-SP1-50	Boring ST4-SP1 split-spoon sample	50	8/30/1996	<50	<50	<0.5	2.2	130	0.16	12	NA	0.013	5.9	<1
ST4-SP2-25	Boring ST4-SP2 split-spoon sample	25	8/30/1996	<50	<50	<0.5	2.6	30	0.15	8	NA	0.039	2.3	<1
ST4-SP3-25	Boring ST4-SP3 split-spoon sample	25	8/30/1996	<50	<50	<0.5	4	35	0.18	15	NA	0.044	3.1	<1
ST4-SP4-25	Boring ST4-SP4 split-spoon sample	25	8/29/1996	<50	<50	<0.5	6.6	56	0.4	21	NA	0.014	5.4	<1
ST4-SP5-25	Boring ST4-SP5 split-spoon sample	25	8/29/1996	<50	<50	<0.5	8.6	76	0.54	19	NA	0.0057	34	<1
ST4-SP5-30	Boring ST4-SP5 split-spoon sample	30	9/9/1996	<50	<50	<0.5	2.9	93	<0.1	19	NA	0.018	17	2.4

Table 4-2
Concentrations of VOCs* and RCRA Metals in Soil (1996)

SAMPLE DESIGNATION	DESCRIPTION	DEPTH (feet)	DATE SAMPLED	VOCs (ug/kg)		RCRA Metals (mg/kg)								
				PCE	TCE	Ag	As	Ba	Cd	Cr	Cr (VI)	Hg	Pb	Se
ST4-SP5-40	Boring ST4-SP5 split-spoon sample	40	9/9/1996	<50	<50	<5	2.9	73	<0.1	8.2	NA	0.0035	3.1	<1
ST4-SP5-50	Boring ST4-SP5 split-spoon sample	50	9/9/1996	<50	<50	<5	<0.5	30	<0.1	5.9	NA	<0.002	1.6	<1
ST4-SP5-60	Boring ST4-SP5 split-spoon sample	60	9/9/1996	<50	<50	<5	6.1	74	<0.1	23	NA	<0.002	2.6	<1
ST4-SP5-70	Boring ST4-SP5 split-spoon sample	70	9/9/1996	<50	<50	<0.5	5.4	100	<1	26	NA	0.0031	2.2	<1
ST4-SP6-25	Boring ST4-SP6 split-spoon sample	25	8/29/1996	<50	<50	<0.5	2.5	72	0.17	8.6	NA	0.007	4.9	<1
ST4-SP7-25	Boring ST4-SP7 split-spoon sample	25	8/29/1996	<50	<50	<0.5	5.1	79	0.24	16	NA	0.0023	2.9	<1
ST4-SP7-30	Boring ST4-SP7 split-spoon sample	30	9/6/1996	<50	<50	<5	2.7	39	<0.1	14	NA	0.0023	3.2	<1
ST4-SP7-40	Boring ST4-SP7 split-spoon sample	40	9/6/1996	<50	<50	<5	2.6	39	0.11	16	NA	0.0051	5.3	1.2
ST4-SP7-50	Boring ST4-SP7 split-spoon sample	50	9/6/1996	<50	<50	<5	2.8	74	<0.1	31	NA	0.0025	5.3	<1
ST4-SP7-60	Boring ST4-SP7 split-spoon sample	60	9/6/1996	<50	<50	<5	3.7	30	<0.1	13	NA	<0.002	2.2	<1
ST4-SP7-70	Boring ST4-SP7 split-spoon sample	70	9/6/1996	<50	<50	<5	16	99	0.24	24	NA	0.0044	3.4	<1
ST4-SP8-50	Boring ST4-SP8 split-spoon sample	50	8/29/1993	<50	<50	<0.5	6.4	110	2.7	17	NA	0.022	3.7	<1
ST4-SP8-55	Boring ST4-SP8 split-spoon sample	55	9/5/1996	<50	<50	<5	4.1	26	0.1	18	NA	<0.002	1.7	<1
ST4-SP8-65	Boring ST4-SP8 split-spoon sample	65	9/5/1996	<50	<50	<5	4.4	88	<0.1	28	NA	0.0022	2.5	<1
ST4-SP8-75	Boring ST4-SP8 split-spoon sample	75	9/6/1996	<50	<50	<5	1.9	94	<0.1	9.2	NA	0.0022	2.6	<1
ST4-SP9-25	Boring ST4-SP9 split-spoon sample			<50	<50	<0.5	3.1	57	0.19	13	NA	0.0021	3.9	<1
Distribution Chamber														
ST3-DBOX	Septic Tank 3 grab sample from underneath distribution box	2	7/16/1996	2,700	550	8.4	5.3	100	1.8	31	NA	1	22	<1
VB-BOX 10	Boring VB box spilt-spoon sample	10	9/4/1996	<50	<50	<0.5	4.9	100	0.23	25	NA	0.0099	39	<1
VB-BOX 20	Boring VB box spilt-spoon sample	20	9/4/1996	<50	<50	<5	5.2	39	0.12	14	NA	<0.002	3	<1
VB-BOX 30	Boring VB box spilt-spoon sample	30	9/4/1996	<50	<50	<5	9.8	65	0.26	16	NA	0.0051	3.1	<1
VB-BOX 40	Boring VB box spilt-spoon sample	40	9/4/1996	<50	<50	<5	5.6	73	0.11	15	NA	0.0024	2.9	<1
VB-BOX 50	Boring VB box spilt-spoon sample	50	9/4/1996	<50	<50	<5	4.7	50	0.11	13	NA	<0.002	2.3	<1
VB-BOX 60	Boring VB box spilt-spoon sample	60	9/4/1996	<50	<50	<5	5.2	26	0.13	14	NA	<0.002	3.7	<1
VB-BOX 70	Boring VB box spilt-spoon sample	70	9/4/1996	<50	<50	<5	6.1	43	0.19	22	NA	0.0032	3.4	1.1
VB-BOX 80	Boring VB box spilt-spoon sample	80	9/4/1996	<50	<50	<5	12	81	0.27	29	NA	0.0024	2.2	<1
VB-BOX 85	Boring VB box spilt-spoon sample	85	9/4/1996	<50	<50	<5	2.3	40	<0.1	13	NA	<0.002	2.4	<1
Pipe Investigation														
WW-1	Pipe investigation grab sample from underneath pipes	3	10/23/1997	<50	<50	<2.5	10	130	0.93	27	NA	<0.02	4.2	<5.0
WW-2	Pipe investigation grab sample from underneath pipes	3	10/23/1997	61	<50	<2.5	12	160	1.2	32	NA	<0.02	5.3	<5.0
WW-3	Pipe investigation grab sample from underneath pipes	3	10/23/1997	57	<50	<2.5	9.7	140	0.97	28	NA	<0.02	4.6	<5.0
WW-4	Pipe investigation grab sample from underneath pipes	3	10/23/1997	57	<50	<2.5	11	160	1.2	34	NA	<0.02	4.6	<5.0
WOSCB01-02	Pipe investigation by SRP, soil samples from underneath pipe	2	1/12/1998	<25; <50	<25; <50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Soil Borings														
SP-1-101-10	Boring SP-1-101 split-spoon sample	10	11/4/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
SP-1-101-20	Boring SP-1-101 split-spoon sample	20	11/4/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
SP-1-101-30	Boring SP-1-101 split-spoon sample	30	11/4/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
SP-1-101-40	Boring SP-1-101 split-spoon sample	40	11/4/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
SP-1-101-50	Boring SP-1-101 split-spoon sample	50	11/4/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
SP-1-102-10	Boring SP-1-102 split-spoon sample	10	11/4/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
SP-1-102-20	Boring SP-1-102 split-spoon sample	20	11/4/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
SP-1-102-30	Boring SP-1-102 split-spoon sample	30	11/4/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
SP-1-102-40	Boring SP-1-102 split-spoon sample	40	11/4/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
SP-1-102-50	Boring SP-1-102 split-spoon sample	50	11/4/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
SP-1-103-10	Boring SP-1-103 split-spoon sample	10	11/5/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
SP-1-103-20	Boring SP-1-103 split-spoon sample	20	11/5/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
SP-1-103-30	Boring SP-1-103 split-spoon sample	30	11/5/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-2
Concentrations of VOCs* and RCRA Metals in Soil (1996)

SAMPLE DESIGNATION	DESCRIPTION	DEPTH (feet)	DATE SAMPLED	VOCs (ug/kg)		RCRA Metals (mg/kg)								
				PCE	TCE	Ag	As	Ba	Cd	Cr	Cr (VI)	Hg	Pb	Se
SP-1-103-35	Boring SP-1-103 split-spoon sample	35	11/5/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
SP-1-103-40	Boring SP-1-103 split-spoon sample	40	11/5/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
SP-1-103-50	Boring SP-1-103 split-spoon sample	50	11/5/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-1-101-10	Boring BH-1-101 split-spoon sample	10	11/7/1997	74	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-1-101-20	Boring BH-1-101 split-spoon sample	20	11/7/1997	42 [1]	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-1-101-30	Boring BH-1-101 split-spoon sample	30	11/7/1997	60	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-1-101-40	Boring BH-1-101 split-spoon sample	40	11/7/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-1-101-50	Boring BH-1-101 split-spoon sample	50	11/7/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-1-101-60	Boring BH-1-101 split-spoon sample	60	11/7/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-1-101-70	Boring BH-1-101 split-spoon sample	70	11/7/1997	310	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-1-101-80	Boring BH-1-101 split-spoon sample	80	11/7/1997	510	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-1-101-85	Boring BH-1-101 split-spoon sample	85	11/7/1997	79	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-1-102-10	Boring BH-1-102 split-spoon sample	10	11/10/1997	27 [1]	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-1-102-20	Boring BH-1-102 split-spoon sample	20	11/10/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-1-102-30	Boring BH-1-102 split-spoon sample	30	11/10/1997	71	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-1-102-45	Boring BH-1-102 split-spoon sample	45	11/10/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-1-102-50	Boring BH-1-102 split-spoon sample	50	11/10/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-1-102-60	Boring BH-1-102 split-spoon sample	60	11/10/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-1-102-70	Boring BH-1-102 split-spoon sample	70	11/10/1997	260	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-1-102-80	Boring BH-1-102 split-spoon sample	80	11/10/1997	270	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-1-102-85	Boring BH-1-102 split-spoon sample	85	11/10/1997	480	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-1-103-10	Boring BH-1-103 split-spoon sample	10	11/10/1997	51	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-1-103-20	Boring BH-1-103 split-spoon sample	20	11/10/1997	35 [1]	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-1-103-30	Boring BH-1-103 split-spoon sample	30	11/10/1997	81	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-1-103-40	Boring BH-1-103 split-spoon sample	40	11/10/1997	15 [1]	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-1-103-50	Boring BH-1-103 split-spoon sample	50	11/10/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-1-103-60	Boring BH-1-103 split-spoon sample	60	11/10/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-1-103-70	Boring BH-1-103 split-spoon sample	70	11/10/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-1-103-80	Boring BH-1-103 split-spoon sample	80	11/10/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-1-103-85	Boring BH-1-103 split-spoon sample	85	11/10/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-2-101-10	Boring BH-2-101 split-spoon sample	10	11/6/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-2-101-20	Boring BH-2-101 split-spoon sample	20	11/6/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-2-101-30	Boring BH-2-101 split-spoon sample	30	11/6/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-2-101-35	Boring BH-2-101 split-spoon sample	35	11/6/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-2-101-40	Boring BH-2-101 split-spoon sample	40	11/6/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-2-101-50	Boring BH-2-101 split-spoon sample	50	11/6/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-2-101-60	Boring BH-2-101 split-spoon sample	60	11/6/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-2-101-70	Boring BH-2-101 split-spoon sample	70	11/6/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-2-101-80	Boring BH-2-101 split-spoon sample	80	11/6/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-2-102-10	Boring BH-2-102 split-spoon sample	10	11/5/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-2-102-20	Boring BH-2-102 split-spoon sample	20	11/5/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-2-102-30	Boring BH-2-102 split-spoon sample	30	11/5/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-2-102-40	Boring BH-2-102 split-spoon sample	40	11/5/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-2
Concentrations of VOCs* and RCRA Metals in Soil (1996)

SAMPLE DESIGNATION	DESCRIPTION	DEPTH (feet)	DATE SAMPLED	VOCs (ug/kg)		RCRA Metals (mg/kg)								
				PCE	TCE	Ag	As	Ba	Cd	Cr	Cr (VI)	Hg	Pb	Se
BH-2-102-50	Boring BH-2-102 split-spoon sample	50	11/5/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-2-102-60	Boring BH-2-102 split-spoon sample	60	11/5/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-2-102-70	Boring BH-2-102 split-spoon sample	70	11/5/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-2-102-80	Boring BH-2-102 split-spoon sample	80	11/5/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-2-103-10	Boring BH-2-103 split-spoon sample	10	11/6/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-2-103-20	Boring BH-2-103 split-spoon sample	20	11/6/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-2-103-30	Boring BH-2-103 split-spoon sample	30	11/6/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-2-103-40	Boring BH-2-103 split-spoon sample	40	11/6/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-2-103-50	Boring BH-2-103 split-spoon sample	50	11/6/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-2-103-60	Boring BH-2-103 split-spoon sample	60	11/6/1997	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-2-103-70	Boring BH-2-103 split-spoon sample	70	11/6/1997	33 [4]	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-2-103-80	Boring BH-2-103 split-spoon sample	80	11/6/1997	9.9 [4]	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Near-Surface Soil Sampling by Weston in 1999														
WOC RA-1	Near-surface discrete soil sample	0.5 - 1	Jul-99	NA	NA	<2.5	8	100	<2	24	NA	<0.1	37	<2.5
WOC RA-2	Soil sample from 6 to 12 inch bgs	0.5 - 1	Jul-99	NA	NA	<2.5	10	94	<2	23	NA	<0.1	16	<2.5
WOC RA-3	Soil sample from 6 to 12 inch bgs	0.5 - 1	Jul-99	NA	NA	2.7	<5	16	<2	<5	NA	<0.1	6.5	2.7
WOC RA-4	Soil sample from 6 to 12 inch bgs	0.5 - 1	Jul-99	NA	NA	<2.5	6.9	110	<2	30	<0.5	<0.1	18	<2.5
WOC RA-5	Soil sample from 6 to 12 inch bgs	0.5 - 1	Jul-99	NA	NA	<2.5	11	110	<2	27	NA	<0.1	18	<2.5
WOC RA-6	Soil sample from 6 to 12 inch bgs	0.5 - 1	Jul-99	NA	NA	<2.5	8.2	110	<2	27	NA	<0.1	25	<2.5
WOC RA-7	Soil sample from 6 to 12 inch bgs	0.5 - 1	Jul-99	NA	NA	<2.5	<5	120	<2	27	NA	<0.1	17	<2.5
WOC RA-8	Soil sample from 6 to 12 inch bgs	0.5 - 1	Jul-99	NA	NA	<2.5	<5	90	<2	16	NA	<0.1	11	<2.5
WOC RA-9	Soil sample from 6 to 12 inch bgs	0.5 - 1	Jul-99	NA	NA	<2.5	<5	110	<2	21	NA	<0.1	18	<2.5
WOC RA-10	Soil sample from 6 to 12 inch bgs	0.5 - 1	Jul-99	NA	NA	<2.5	6.9	120	<2	29	NA	<0.1	20	<2.5
WOC RA-11	Soil sample from 6 to 12 inch bgs	0.5 - 1	Jul-99	NA	NA	<2.5	6.6	140	<2	29	NA	<0.1	19	<2.5
WOC RA-12	Soil sample from 6 to 12 inch bgs	0.5 - 1	Jul-99	NA	NA	<2.5	6.4	120	<2	22	NA	<0.1	15	<2.5
WOC RA-13	Soil sample from 6 to 12 inch bgs	0.5 - 1	Jul-99	NA	NA	<2.5	<5	93	<2	14	NA	<0.1	12	<2.5
WOC RA-14	Soil sample from 6 to 12 inch bgs	0.5 - 1	Jul-99	NA	NA	<2.5	7.6	130	<2	28	NA	<0.1	17	<2.5
WOC RA-15	Soil sample from 6 to 12 inch bgs	0.5 - 1	Jul-99	NA	NA	<2.5	120**	140	<2	65	<0.5	<0.1	23	<2.5
WOC RA-16	Soil sample from 6 to 12 inch bgs	0.5 - 1	Jul-99	NA	NA	<2.5	9.6	130	<2	30	<0.5	<0.1	19	<2.5
WOC RA-17	Soil sample from 6 to 12 inch bgs	0.5 - 1	Jul-99	NA	NA	<2.5	5.6	130	<2	27	NA	<0.1	17	<2.5
			R-SRL [1]	53,000	27,000	380	10	5,300	38	2,100	30	6.5 [3]	400	380
			NR-SRL [1]	170,000	70,000	8,500	10	110,000	850	4,500	64	68 [3]	2,000	8,500
			GPL [2]	1,300	610	NA	290	12,000	29	590		12	290	290

PCE = Tetrachloroethylene
TCE = Trichloroethylene
Ag = Silver
Ba = Barium
Cd = Cadmium
Cr = Chromium
Hg = Mercury
Pb = Lead
As = Arsenic

* PCE and TCE were the only VOCs detected in soil
[1] Residential Non-Residential Soil Remediation Level as published by the ADEQ, December 4, 1997.
[2] Groundwater Protection Level as published by the ADEQ, September 1996.
[3] Methyl mercury
[4] Concentrations below laboratory detection limits were estimated by laboratory
NA = Not Analyzed
N/A = Not Applicable
** Enormously high concentration

Table 4-3
Background Concentrations of Metals in Soil
(mg/kg)

Metal	Range	Mean	Median	Standard Deviation	Number of Samples
Arsenic	0.6-13	5.90	5.6	2.60	98
Barium	11-200	97.76	98	32.42	105
Cadmium	0.1-5.8	0.49	0.39	0.69	68
Total chromium	2.6-34	19.79	19	5.85	106
Lead	1.1-28	0.03	0.0065	0.10	91
Mercury	0.002-0.75	4.75	4.1	3.55	95
Selenium					10
Silver					5

Note: Samples with non-detectable concentrations of metals or samples collected from or in the immediate vicinity of source areas are not included. Because the concentrations of silver and selenium were below laboratory detection limits in most samples, the results of the statistical analysis are not very meaningful for these metals.

Table 4-4
Comparison of Metals Concentrations to Standards
(mg/kg)

Metal	Measured Range[1]	WOC Background[2]		SRL[3]	GPL[4]	ADHS Background[5]	Earth's Crust[6]	RCRA TCLP[7]
		Mean	Range					
Arsenic	0.59-19	5.90	0.6-13	10	290	<0.2-97	1.8	100
Barium	0.29-210	97.76	11-200	110000	12000	70-50,000	425	2000
Cadmium	0.10-6.4	0.49	0.1-5.8	850	29	1-10	0.2	20
Total chromium	0.30-390	19.79	2.6-34	4,500	590	3-150	100	100
Lead	0.61-270	0.03	1.1-28	2000	290	7-700	12.5	100
Mercury	0.002-5,000	4.75	0.002-0.75	68	12	<0.01-4.6	0.08	4
Selenium	0.34-16			8500	290	<0.1-4.3	0.05	20
Silver	0.61-180			8500	NA	<0.5-5	0.07	100

1 All Phase I samples
2 From Table 4-3
3 Non-residential Soil Remediation Level, ADEQ, December 4, 1997
4 Groundwater Protection Level, ADEQ, September 1996
5 Interoffice Memorandum from Norman J. Peterson to Louis Parsons, December 26, 1986
6 K.B. Krauskopf, *Introduction to Geochemistry*, Mc-Graw-Hill, New York, 1967
7 Resource Conservation and Recovery Act, Toxicity Characteristic Leaching Procedure, 20X dilution

Table 5-1
WOC Well Location and Construction Information

Well ID	Northing (ft)	Easting (ft)	MP Elevation (ft)	Date Drilled (mo/yr)	Method	ADWR 55 File #	Total Depth of Well	Screened Interval (feet bgs)	Packer Depth (feet bgs)	Casing Diameter (in)	Unit Monitored	Notes
MW-1S	5110.07	5465.10	1109.45	08/13/91	Auger	532636	130	90-130		4	shallow	well dry in November 2001
MW-2S	4961.99	4468.45	1107.83	08/02/91	Auger	532372	120	90-120		4	shallow	well dry in March 1999
MW-3S	5673.60	4479.43	1109.34	08/07/91	Auger	532373	100	55-95		4	shallow	well dry in February 1998
MW-4S	5383.54	4990.26	1107.64	01/31/92	Auger	534122	125	85-125		4	shallow	well dry in August 2001
MW-5S	4930.07	5025.10	1108.05	02/14/92	Auger	534123	135	95-135		4	shallow	well dry in May 2003
MW-6S	3564.15	3189.32	1098.35	09/16/96	Rotary	558699	125	80-120		4	shallow	well dry in approximately April 1999
MW-7S	5356.16	3600.94	1105.22	08/23/96	Rotary	558664	108	63-103		4	shallow	well dry in September 1998
MW-100S			1106.62	10/22/97	Rotary	562004	146	87-137		5	shallow	installed for initial proposed interim remedy
MW-101S			1107.34	10/27/97	Rotary	563318	151.5	90-140		5	shallow	installed for initial proposed interim remedy
MW-102S			1106.02	11/11/97	Rotary	564733	135	95-135		4	shallow	well dry in January 2004
MW-103S			1100.81	12/12/97	Rotary	564982	130	90-130		4	shallow	well dry in March 2003
MW-104S			1100.36	11/21/97	Rotary	564984	135	65-135		4	shallow	well dry in January 2004
MW-201S			1095.26	01/11/99			139	98-138		4	shallow	
MW-2M	4965.25	4518.63	1106.46	10/09/96	Rotary	558431	370	330-370	320	4	middle/LSGS	
MW-3M	5658.99	4528.59	1108.86	09/03/96	Rotary	558432	290	250-290	241	4	middle/LSGS	
MW-4M	5391.18	5024.02	1107.88	10/04/96	Rotary	558433	285	245-285	235	4	middle/LSGS	
MW-6M	3562.88	3219.03	1098.14	09/13/96	Rotary	558697	365	325-365	315	4	middle/LSGS	
MW-7M	5354.71	3630.95	1105.38	08/22/96	Rotary	558665	300	260-300	252	4	middle/LSGS	
WCP-13M	5231	4984	1108.42	12/15/97	Rotary	564983	288	248-288	238	4	middle/LSGS	
MW-102M			1105.45	11/06/97	Rotary	564732	380	340-380	300	4	middle/LSGS	
MW-105M			1101.39	12/04/97	Rotary	564985	360	320-360	310	4	middle/LSGS	
MW-106M			1107.38	11/13/97	Rotary	564731	285	280-320	235	4	middle/LSGS	
MW-107M			1095.95	03/09/01	Rotary	585080	340	305-340		4	middle/LSGS	
MW-108M			1088.93	03/15/02	Rotary	590468	340	300-340		4	middle/LSGS	
MW-109M			1086.79	04/18/03	Rotary	594742	365	320-365		4	middle/LSGS	
MW-110M			1099.01	04/28/03	Rotary	594741	340	295-340		4	middle/LSGS	
MW-4L	5414.42	5048.56	1108.14	09/27/96	Rotary	558430	810	770-810		4	deep regional	
MW-6L	3562.24	3238.63	1098.26	09/05/96	Rotary	558698	820	740-780		4	deep regional	
MW-7L	5353.14	3660.32	1105.39	08/21/96	Rotary	558666	820	755-795		4	deep regional	

Notes:

LSGS= Lower sand and gravel subunit of the upper alluvial unit

Table 5-2
WCP Wells Utilized for WOC Project

Well ID	Total Depth of Well	Screened Interval (feet bgs)	Casing Diameter (in)	Unit Monitored
WCP-3	120	80-120	4	shallow
WCP-4	120	80-120	4	shallow
WCP-8	130	90-130	4	shallow
WCP-10	125	85-125	4	shallow
WCP-11	130	90-130	4	shallow
WCP-12	100	55-100	4	shallow
WCP-13	100	57-100	4	shallow
WCP-14	110	70-100	4	shallow
WCP-15	N/A	N/A	4	shallow

Notes:

N/A= Not Available

Table 5-3
Inorganic Analytes and Indicators

Analyte	Method
Alkalinity	SM232OB
Ammonia	350.3
Chloride	300.0
Chemical Oxygen Demand	410.4
Conductivity	120.1
Cyanide	SM4500-CN-C,E
Sulfate	300.0
Total Dissolved Solids	SM2540C
Total Organic Carbon	415.2
Total Suspended Solids	160.2

Table 5-4
Aquifer Test Pumping Rates

	MW-5	*MW-6*	*MW-7*
Shallow	6 gpm	30 gpm	5 gpm
LSGS		76 gpm	53 gpm
Deep		1.5 gpm	7 gpm

Table 5-5
Results of Aquifer Tests

Well	**Transmissivity ($ft^{2/}$/day)**
Shallow Wells	
MW-5S	680
MW-6S	7,500
MW-7S	350
LSGS Wells	
MW-6M	14,000
MW-7M	11,500
Deep Wells	
MW-6L	3
MW-7L	80

Table 5-6
Historical Water Levels and TCE Concentrations in Monitoring Wells Near West Osborn Complex, West Central Phoenix

Well I.D.	Date	Elevation of Top of Casing (ft amsl)	Depth to Groundwater (ft btoc)	TCE Concentration (μg/L)	Groundwater Elevation (ft AMSL)	Groundwater Elevation Change (ft)
MW-201S	02/02/99	1095.26	108.65	21	986.61	
MW-201S	03/02/99	1095.26	109.78		985.48	-1.13
MW-201S	03/10/99	1095.26	110.08		985.18	-0.30
MW-201S	06/29/99	1095.26		2.1		
MW-201S	11/20/99	1095.26		1.6		
MW-201S	02/15/01	1095.26	117.88		977.38	-7.80
MW-201S	03/14/01	1095.26	117.40		977.86	0.48
MW-201S	04/16/01	1095.26	117.01		978.25	0.39
MW-201S	05/17/01	1095.26	117.11		978.15	-0.10
MW-201S	06/18/01	1095.26	117.72	72	977.54	-0.61
MW-201S	07/20/01	1095.26	118.51		976.75	-0.79
MW-201S	08/23/01	1095.26	119.19		976.07	-0.68
MW-201S	11/14/01	1095.26	120.75		974.51	-1.56
MW-201S	12/14/01	1095.26	120.81		974.45	-0.06
MW-201S	01/17/02	1095.26	121.09		974.17	-0.28
MW-201S	03/07/02	1095.26	120.71	57	974.55	0.38
MW-201S	08/28/02	1095.26	123.23		972.03	-2.52
MW-201S	09/18/02	1095.26	123.81		971.45	-0.58
MW-201S	12/10/02	1095.26	125.31		969.95	-1.50
MW-201S	03/05/03	1095.26	125.82		969.44	-0.51
MW-201S	05/15/03	1095.26	126.21		969.05	-0.39
MW-201S	05/21/03	1095.26	126.29		968.97	-0.08
MW-201S	06/10/03	1095.26	125.97		969.29	0.32
MW-201S	06/18/03	1095.26	125.95	39	969.31	0.02
MW-201S	09/18/03	1095.26	127.35	38	967.91	-1.40
MW-201S	01/12/04	1095.26	128.83	27	966.43	-1.48
MW-102M	01/06/98	1105.45	115.90		989.55	
MW-102M	02/03/98	1105.45	118.52	11	986.93	-2.62
MW-102M	03/02/98	1105.45	115.29		990.16	3.23
MW-102M	04/02/98	1105.45	115.88		989.57	-0.59
MW-102M	05/04/98	1105.45	117.06	15	988.39	-1.18
MW-102M	06/01/98	1105.45	117.13		988.32	-0.07
MW-102M	07/02/98	1105.45	118.35		987.10	-1.22
MW-102M	08/04/98	1105.45	119.54	13	985.91	-1.19
MW-102M	09/02/98	1105.45	120.70		984.75	-1.16
MW-102M	10/06/98	1105.45	140.38		965.07	-19.68
MW-102M	11/04/98	1105.45	120.02	13	985.43	20.36
MW-102M	12/04/98	1105.45	121.44		984.01	-1.42
MW-102M	01/04/99	1105.45	118.93		986.52	2.51
MW-102M	02/02/99	1105.45	118.28	8.7	987.17	0.65
MW-102M	03/02/99	1105.45	148.44		957.01	-30.16
MW-102M	03/10/99	1105.45	151.47		953.98	-3.03
MW-102M	11/19/99	1105.45		8.2	NM	NM
MW-102M	04/05/01	1105.45	129.45		976.00	22.02
MW-102M	05/07/01	1105.45	130.29		975.16	-0.84
MW-102M	06/05/01	1105.45	133.40		972.05	-3.11

Table 5-6
Historical Water Levels and TCE Concentrations in Monitoring Wells Near West Osborn Complex, West Central Phoenix

Well I.D.	Date	Elevation of Top of Casing (ft amsl)	Depth to Groundwater (ft btoc)	TCE Concentration (µg/L)	Groundwater Elevation (ft AMSL)	Groundwater Elevation Change (ft)
MW-102M	04/03/02	1105.45	135.31		970.14	-1.91
MW-102M	06/13/03	1105.45	145.13	1.4	960.32	-9.82
MW-102M	01/12/04	1105.45	146.14	1.1	959.31	-1.01
MW-102S	01/06/98	1106.02	106.58		999.44	
MW-102S	02/03/98	1106.02	107.20	60	998.82	-0.62
MW-102S	03/02/98	1106.02	108.09		997.93	-0.89
MW-102S	04/02/98	1106.02	109.16		996.86	-1.07
MW-102S	05/04/98	1106.02	109.34	98	996.68	-0.18
MW-102S	06/01/98	1106.02	109.80		996.22	-0.46
MW-102S	07/02/98	1106.02	110.30		995.72	-0.50
MW-102S	08/04/98	1106.02	111.10	49	994.92	-0.80
MW-102S	09/02/98	1106.02	111.73		994.29	-0.63
MW-102S	10/06/98	1106.02	112.55		993.47	-0.82
MW-102S	11/04/98	1106.02	113.18	41	992.84	-0.63
MW-102S	12/04/98	1106.02	113.80		992.22	-0.62
MW-102S	01/04/99	1106.02	114.10		991.92	-0.30
MW-102S	02/02/99	1106.02	114.25	40	991.77	-0.15
MW-102S	03/02/99	1106.02	115.70		990.32	-1.45
MW-102S	03/10/99	1106.02	116.25		989.77	-0.55
MW-102S	06/29/99	1106.02				
MW-102S	11/20/99	1106.02				
MW-102S	02/15/01	1106.02	123.67		982.35	-7.42
MW-102S	03/14/01	1106.02	123.47		982.55	0.20
MW-102S	04/16/01	1106.02	123.50		982.52	-0.03
MW-102S	05/17/01	1106.02	123.81		982.21	-0.31
MW-102S	06/18/01	1106.02	124.34	59	981.68	-0.53
MW-102S	07/20/01	1106.02	125.11		980.91	-0.77
MW-102S	08/23/01	1106.02	125.95		980.07	-0.84
MW-102S	11/14/01	1106.02	127.36		978.66	-1.41
MW-102S	12/14/01	1106.02	127.47		978.55	-0.11
MW-102S	01/17/02	1106.02	127.86		978.16	-0.39
MW-102S	03/07/02	1106.02	127.81	110	978.21	0.05
MW-102S	08/28/02	1106.02	131.22		974.80	-3.41
MW-102S	09/18/02	1106.02	131.88		974.14	-0.66
MW-102S	12/10/02	1106.02	133.35		972.67	-1.47
MW-102S	03/05/03	1106.02	133.81		972.21	-0.46
MW-102S	06/17/03	1106.02	134.58	120	971.44	-0.77
MW-102S	09/18/03	1106.02	135.00		971.02	-0.42
MW-102S	01/12/04	1106.02	135.02		971.00	-0.02
MW-103S	01/06/98	1100.81	107.08		993.73	
MW-103S	02/03/98	1100.81	106.79	59	994.02	0.29
MW-103S	03/02/98	1100.81	107.00		993.81	-0.21
MW-103S	04/02/98	1100.81	107.35		993.46	-0.35
MW-103S	05/04/98	1100.81	107.28	29	993.53	0.07
MW-103S	06/01/98	1100.81	107.76		993.05	-0.48

Table 5-6
Historical Water Levels and TCE Concentrations in Monitoring Wells Near West Osborn Complex, West Central Phoenix

Well I.D.	Date	Elevation of Top of Casing (ft amsl)	Depth to Groundwater (ft btoc)	TCE Concentration (μg/L)	Groundwater Elevation (ft AMSL)	Groundwater Elevation Change (ft)
MW-103S	07/02/98	1100.81	108.30		992.51	-0.54
MW-103S	08/04/98	1100.81	109.17	28	991.64	-0.87
MW-103S	09/02/98	1100.81	109.94		990.87	-0.77
MW-103S	10/06/98	1100.81	110.91		989.90	-0.97
MW-103S	11/04/98	1100.81	111.43	29	989.38	-0.52
MW-103S	12/04/98	1100.81	111.91		988.90	-0.48
MW-103S	01/04/99	1100.81	112.20		988.61	-0.29
MW-103S	02/02/99	1100.81	112.00	40	988.81	0.20
MW-103S	03/02/99	1100.81	112.71		988.10	-0.71
MW-103S	03/10/99	1100.81	113.06		987.75	-0.35
MW-103S	06/29/99	1106.02				
MW-103S	11/20/99	1106.02		34		
MW-103S	02/15/01	1100.81	120.48		980.33	-7.42
MW-103S	03/14/01	1100.81	120.07		980.74	0.41
MW-103S	04/16/01	1100.81	119.72		981.09	0.35
MW-103S	05/17/01	1100.81	119.86		980.95	-0.14
MW-103S	06/18/01	1100.81	120.47	30	980.34	-0.61
MW-103S	07/20/01	1100.81	121.25		979.56	-0.78
MW-103S	08/23/01	1100.81	122.04		978.77	-0.79
MW-103S	11/14/01	1100.81	123.91		976.90	-1.87
MW-103S	12/14/01	1100.81	124.15		978.55	1.65
MW-103S	01/17/02	1100.81	124.27		976.54	-2.01
MW-103S	03/07/02	1100.81	124.08	40	976.73	0.19
MW-103S	08/28/02	1100.81	127.27		973.54	-3.19
MW-103S	09/18/02	1100.81	127.99		972.82	-0.72
MW-103S	12/10/02	1100.81	129.30		971.51	-1.31
MW-103S	03/05/03	1100.81	129.21		971.60	0.09
MW-103S	06/17/03	1100.81	DRY		DRY	NA
MW-103S	01/12/04	1100.81	DRY		DRY	NA
MW-104S	01/06/98	1100.36	106.16		994.20	
MW-104S	02/03/98	1100.36	106.18	32	994.18	-0.02
MW-104S	03/02/98	1100.36	106.55		993.81	-0.37
MW-104S	04/02/98	1100.36	106.89		993.47	-0.34
MW-104S	05/04/98	1100.36	107.19	25	993.17	-0.30
MW-104S	06/01/98	1100.36	107.67		992.69	-0.48
MW-104S	07/02/98	1100.36	108.21		992.15	-0.54
MW-104S	08/04/98	1100.36	109.01	67	991.35	-0.80
MW-104S	09/02/98	1100.36	109.81		990.55	-0.80
MW-104S	10/06/98	1100.36	110.75		989.61	-0.94
MW-104S	11/04/98	1100.36	111.33	110	989.03	-0.58
MW-104S	12/04/98	1100.36	111.90		988.46	-0.57
MW-104S	01/04/99	1100.36	112.23		988.13	-0.33
MW-104S	02/02/99	1100.36	112.26	83	988.10	-0.03
MW-104S	03/02/99	1100.36	112.74		987.62	-0.48
MW-104S	03/10/99	1100.36	113.01		987.35	-0.27
MW-104S	06/29/99	1100.36		44		

Table 5-6
Historical Water Levels and TCE Concentrations in Monitoring Wells Near West Osborn Complex, West Central Phoenix

Well I.D.	Date	Elevation of Top of Casing (ft amsl)	Depth to Groundwater (ft btoc)	TCE Concentration (μg/L)	Groundwater Elevation (ft AMSL)	Groundwater Elevation Change (ft)
MW-104S	11/20/99	1100.36		81		
MW-104S	02/15/01	1100.36	121.13		979.23	-8.12
MW-104S	03/14/01	1100.36	120.82		979.54	0.31
MW-104S	04/16/01	1100.36	120.61		979.75	0.21
MW-104S	05/17/01	1100.36	120.71		979.65	-0.10
MW-104S	06/18/01	1100.36	121.27	130	979.09	-0.56
MW-104S	07/20/01	1100.36	121.91		978.45	-0.64
MW-104S	08/23/01	1100.36	122.66		977.70	-0.75
MW-104S	11/14/01	1100.36	124.44		975.92	-1.78
MW-104S	12/14/01	1100.36	124.69		975.67	-0.25
MW-104S	01/17/02	1100.36	124.90		975.46	-0.21
MW-104S	03/07/02	1100.36	124.82	200	975.54	0.08
MW-104S	08/28/02	1100.36	127.90		972.46	-3.08
MW-104S	09/18/02	1100.36	128.59		971.77	-0.69
MW-104S	12/10/02	1100.36	130.41		969.95	-1.82
MW-104S	03/05/03	1100.36	130.89		969.47	-0.48
MW-104S	05/15/03	1100.36	131.09		969.27	-0.20
MW-104S	06/17/03	1100.36	131.43	190	968.93	-0.34
MW-104S	09/18/03	1100.36	133.45	180	966.91	-2.02
MW-104S	01/12/04	1100.36	134.20	NS	966.16	-0.75
MW-105M	01/06/98	1101.39	114.84		986.55	
MW-105M	02/03/98	1101.39	119.08	52	982.31	-4.24
MW-105M	03/02/98	1101.39	114.85		986.54	4.23
MW-105M	04/02/98	1101.39	115.56		985.83	-0.71
MW-105M	05/04/98	1101.39	116.76		984.63	-1.20
MW-105M	06/01/98	1101.39	116.54	41	984.85	0.22
MW-105M	07/02/98	1101.39	117.65		983.74	-1.11
MW-105M	08/04/98	1101.39	118.63		982.76	-0.98
MW-105M	09/02/98	1101.39	119.87	32	981.52	-1.24
MW-105M	10/06/98	1101.39	135.30		966.09	-15.43
MW-105M	11/04/98	1101.39	119.09	36	982.30	16.21
MW-105M	12/04/98	1101.39	121.54		979.85	-2.45
MW-105M	01/04/99	1101.39	118.36		983.03	3.18
MW-105M	02/02/99	1101.39	117.70	37	983.69	0.66
MW-105M	03/02/99	1101.39	144.85		956.54	-27.15
MW-105M	03/10/99	1101.39	148.19		953.20	-3.34
MW-105M	11/29/99	1101.39	126.46	40	974.93	21.73
MW-105M	04/05/01	1101.39	131.24		970.15	-4.78
MW-105M	05/07/01	1101.39	131.71		969.68	-0.47
MW-105M	06/04/01	1101.39	135.11	52	966.28	-3.40
MW-105M	04/03/02	1101.39	137.31		964.08	-2.20
MW-105M	06/12/03	1101.39	147.11	41	954.28	-9.80
MW-105M	01/12/04	1101.39	147.48	36	953.91	-0.37
MW-106M	01/06/98	1107.38	116.09		991.29	
MW-106M	02/03/98	1107.38	120.70		986.68	-4.61

Table 5-6
Historical Water Levels and TCE Concentrations in Monitoring Wells Near West Osborn Complex, West Central Phoenix

Well I.D.	Date	Elevation of Top of Casing (ft amsl)	Depth to Groundwater (ft btoc)	TCE Concentration (μg/L)	Groundwater Elevation (ft AMSL)	Groundwater Elevation Change (ft)
MW-106M	02/09/98	1107.38	117.84	<0.50	989.54	2.86
MW-106M	03/02/98	1107.38	117.33		990.05	0.51
MW-106M	04/02/98	1107.38	118.24		989.14	-0.91
MW-106M	05/04/98	1107.38	119.42	<0.50	987.96	-1.18
MW-106M	06/01/98	1107.38	119.07		988.31	0.35
MW-106M	07/02/98	1107.38	120.15		987.23	-1.08
MW-106M	08/04/98	1107.38	120.97	<0.50	986.41	-0.82
MW-106M	09/02/98	1107.38	121.85		985.53	-0.88
MW-106M	10/06/98	1107.38	159.85		947.53	-38.00
MW-106M	11/04/98	1107.38	121.38	<0.50	986.00	38.47
MW-106M	12/04/98	1107.38	124.12		983.26	-2.74
MW-106M	01/04/99	1107.38	121.18		986.20	2.94
MW-106M	02/03/99	1107.38	128.68	<0.50	978.70	-7.50
MW-106M	03/02/99	1107.38	169.44		937.94	-40.76
MW-106M	03/10/99	1107.38	172.36		935.02	-2.92
MW-106M	11/19/99	1107.38	129.00	<0.50	978.38	43.36
MW-106M	04/05/01	1107.38	135.06		972.32	-6.06
MW-106M	05/07/01	1107.38	135.23		972.15	-0.17
MW-106M	06/05/01	1107.38	138.42		968.96	-3.19
MW-106M	04/03/02	1107.38	140.53		966.85	-2.11
MW-106M	06/13/03	1107.38	149.50	<1.0	957.88	-8.97
MW-106M	01/12/04	1107.38	150.54	<1.0	956.84	-1.04
MW-107M	04/05/01	1095.95	132.14	56	963.81	
MW-107M	05/07/01	1095.95	132.00	51	963.95	0.14
MW-107M	06/04/01	1095.95	136.08	51	959.87	-4.08
MW-107M	04/03/02	1095.95	138.51		957.44	-2.43
MW-107M	06/13/03	1095.95	148.10	51	947.85	-9.59
MW-107M	09/19/03	1095.95	154.73	41	941.22	-6.63
MW-107M	01/12/04	1095.95	148.03	54	947.92	6.70
MW-108M	04/03/02	1089.13	147.72	<0.50	941.41	
MW-108M	06/16/03	1089.13	155.97	<1.0	933.16	-8.25
MW-108M	09/19/03	1089.13	164.70	1.1	924.43	-8.73
MW-108M	01/12/04	1089.13	155.65	1.6	933.48	9.05
MW-109M	05/13/03	1086.79	145.45	1.8	941.34	
MW-109M	06/16/03	1086.79	148.11	<1.0	938.68	-2.66
MW-109M	09/19/03	1086.79	157.80	<1.0	928.99	-9.69
MW-109M	01/12/04	1086.79	147.50	<1.0	939.29	10.30
MW-110M	05/13/03	1099.01	156.76	1.9	942.25	
MW-110M	06/17/03	1099.01	158.56	1.5	940.45	-1.80
MW-110M	09/19/03	1099.01	166.32	<1.0	932.69	-7.76
MW-110M	01/12/04	1099.01	158.52	1.1	940.49	7.80
MW-100S	09/23/02	1106.62	132.43		974.19	

Table 5-6
Historical Water Levels and TCE Concentrations in Monitoring Wells Near West Osborn Complex, West Central Phoenix

Well I.D.	Date	Elevation of Top of Casing (ft amsl)	Depth to Groundwater (ft btoc)	TCE Concentration (μg/L)	Groundwater Elevation (ft AMSL)	Groundwater Elevation Change (ft)
MW-100S	12/10/02	1106.62	132.75		973.87	-0.32
MW-100S	03/05/03	1106.62	133.61		973.01	-0.86
MW-100S	05/15/03	1106.62	134.19		972.43	-0.58
MW-100S	05/21/03	1106.62	134.26		972.36	-0.07
MW-100S	06/10/03	1106.62	134.61		972.01	-0.35
MW-100S	06/18/03	1106.62	134.70	70	971.92	-0.09
MW-100S	09/18/03	1106.62	136.48	34	970.14	-1.78
MW-100S	01/12/04	1106.62	138.12	47	968.50	-1.64
MW-101S	09/23/02	1107.34	133.07		974.27	
MW-101S	05/15/03	1107.34	134.88		972.46	-1.81
MW-101S	05/21/03	1107.34	134.92		972.42	-0.04
MW-101S	06/10/03	1107.34	135.27	55.0	972.07	-0.35
MW-101S	01/12/04	1107.34	138.77		968.57	-3.50
ARCO MW-2	05/15/03	1095.76	125.82		969.94	
ARCO MW-2	05/21/03	1095.76	125.81		969.95	0.01
ARCO MW-2	06/10/03	1095.76	126.11		969.65	-0.30
ARCO MW-2	06/18/03	1095.76	126.15	<1.0	969.61	-0.04
ARCO MW-2	09/19/03	1095.76	127.68	<1.0	968.08	-1.53
ARCO MW-2	01/12/04	1095.76	129.21	<1.0	966.55	-1.53
MW-1S	11/13/96	1109.45	101.68	19	1007.77	
MW-1S	02/05/97	1109.45	103.77	17	1005.68	-2.09
MW-1S	03/04/97	1109.45	104.07		1005.38	-0.30
MW-1S	04/04/97	1109.45	105.10		1004.35	-1.03
MW-1S	05/02/97	1109.45	105.37	27	1004.08	-0.27
MW-1S	06/04/97	1109.45	107.69		1001.76	-2.32
MW-1S	07/03/97	1109.45	107.70		1001.75	-0.01
MW-1S	08/06/97	1109.45	110.26	73	999.19	-2.56
MW-1S	09/03/97	1109.45	108.06		1001.39	2.20
MW-1S	10/06/97	1109.45	107.21		1002.24	0.85
MW-1S	11/11/97	1109.45	107.46	58	1001.99	-0.25
MW-1S	12/01/97	1109.45	107.66		1001.79	-0.20
MW-1S	01/06/98	1109.45	108.35		1001.10	-0.69
MW-1S	02/03/98	1109.45	109.73	65	999.72	-1.38
MW-1S	02/09/98	1109.45	110.00		999.45	-0.27
MW-1S	02/16/98	1109.45	110.19		999.26	-0.19
MW-1S	02/23/98	1109.45	110.44		999.01	-0.25
MW-1S	03/02/98	1109.45	110.53		998.92	-0.09
MW-1S	03/09/98	1109.45	111.06		998.39	-0.53
MW-1S	03/24/98	1109.45	111.41		998.04	-0.35
MW-1S	04/02/98	1109.45	111.66		997.79	-0.25
MW-1S	04/13/98	1109.45	111.71		997.74	-0.05
MW-1S	04/20/98	1109.45	111.66		997.79	0.05
MW-1S	05/04/98	1109.45	111.85	37	997.60	-0.19
MW-1S	05/18/98	1109.45	112.00		997.45	-0.15

Table 5-6
Historical Water Levels and TCE Concentrations in Monitoring Wells Near West Osborn Complex, West Central Phoenix

Well I.D.	Date	Elevation of Top of Casing (ft amsl)	Depth to Groundwater (ft btoc)	TCE Concentration (µg/L)	Groundwater Elevation (ft AMSL)	Groundwater Elevation Change (ft)
MW-1S	06/01/98	1109.45	112.27		997.18	-0.27
MW-1S	06/15/98	1109.45	112.54		996.91	-0.27
MW-1S	07/02/98	1109.45	112.70		996.75	-0.16
MW-1S	07/14/98	1109.45	113.07		996.38	-0.37
MW-1S	08/04/98	1109.45	113.55	45	995.90	-0.48
MW-1S	09/02/98	1109.45	114.08		995.37	-0.53
MW-1S	10/06/98	1109.45	115.16		994.29	-1.08
MW-1S	11/04/98	1109.45	115.72	46	993.73	-0.56
MW-1S	12/04/98	1109.45	116.40		993.05	-0.68
MW-1S	01/04/99	1109.45	116.53		992.92	-0.13
MW-1S	02/02/99	1109.45	116.70	39	992.75	-0.17
MW-1S	03/02/99	1109.45	119.27		990.18	-2.57
MW-1S	03/10/99	1109.45	120.14		989.31	-0.87
MW-1S	02/15/01	1109.45	125.43		984.02	-5.29
MW-1S	03/14/01	1109.45	125.30		984.15	0.13
MW-1S	04/16/01	1109.45	125.46		983.99	-0.16
MW-1S	05/17/01	1109.45	125.72		983.73	-0.26
MW-1S	06/18/01	1109.45	126.27		983.18	-0.55
MW-1S	07/20/01	1109.45	122.05		987.40	4.22
MW-1S	08/23/01	1109.45	127.83		981.62	-5.78
MW-1S	11/14/01	1109.45	Dry		NA	NA
MW-1S	12/14/01	1109.45	Dry		NA	NA
MW-1S	01/17/02	1109.45	Dry		NA	NA
MW-2M	11/13/96	1106.46	113.36		993.10	
MW-2M	12/05/96	1106.46		75		
MW-2M	02/04/97	1106.48	113.36	80	993.12	0.02
MW-2M	03/04/97	1106.48	124.48		982.00	-11.12
MW-2M	04/04/97	1106.48	116.05		990.43	8.43
MW-2M	05/02/97	1106.48	122.30	72	984.18	-6.25
MW-2M	06/04/97	1106.48	146.42		960.06	-24.12
MW-2M	07/03/97	1106.48	138.02		968.46	8.40
MW-2M	08/06/97	1106.48	129.69	61	976.79	8.33
MW-2M	09/03/97	1106.48	121.80		984.68	7.89
MW-2M	10/06/97	1106.48	120.49		985.99	1.31
MW-2M	11/11/97	1106.48	119.07	120	987.41	1.42
MW-2M	12/01/97	1106.48	116.30		990.18	2.77
MW-2M	01/06/98	1106.48	117.57		988.91	-1.27
MW-2M	02/03/98	1106.48	120.76	110	985.72	-3.19
MW-2M	03/02/98	1106.48	117.47		989.01	3.29
MW-2M	04/02/98	1106.48	118.14		988.34	-0.67
MW-2M	05/04/98	1106.48	119.26	64	987.22	-1.12
MW-2M	06/01/98	1106.48	119.12		987.36	0.14
MW-2M	07/02/98	1106.48	120.44		986.04	-1.32
MW-2M	08/04/98	1106.48	121.43		985.05	-0.99
MW-2M	09/02/98	1106.48	122.70	67	983.78	-1.27
MW-2M	10/06/98	1106.48	140.87		965.61	-18.17

Table 5-6
Historical Water Levels and TCE Concentrations in Monitoring Wells Near West Osborn Complex, West Central Phoenix

Well I.D.	Date	Elevation of Top of Casing (ft amsl)	Depth to Groundwater (ft btoc)	TCE Concentration (µg/L)	Groundwater Elevation (ft AMSL)	Groundwater Elevation Change (ft)
MW-2M	11/04/98	1106.48	121.88	65	984.60	18.99
MW-2M	12/04/98	1106.48	123.67		982.81	-1.79
MW-2M	01/04/99	1106.48	120.93		985.55	2.74
MW-2M	02/02/99	1106.48	120.36	40	986.12	0.57
MW-2M	03/02/99	1106.48	149.40		957.08	-29.04
MW-2M	03/10/99	1106.48	152.52		953.96	-3.12
MW-2M	11/19/99	1106.48	128.50	46	977.98	24.02
MW-2M	04/05/01	1106.48	132.51		973.97	-4.01
MW-2M	05/07/01	1106.48	133.20		973.28	-0.69
MW-2M	06/14/01	1106.48	136.26	49	970.22	-3.06
MW-2M	04/03/02	1106.48	138.31		968.17	-2.05
MW-2M	06/13/03	1106.48	148.20	43	958.28	-9.89
MW-2M	01/12/04	1106.48	NM	45	NM	NM
MW-2S	11/13/96	1107.83	95.93	1.6	1011.90	
MW-2S	02/05/97	1107.83	98.56	3.5	1009.27	-2.63
MW-2S	03/04/97	1107.83	99.67		1008.16	-1.11
MW-2S	04/04/97	1107.83	99.05		1008.78	0.62
MW-2S	05/02/97	1107.83	98.84	1.7	1008.99	0.21
MW-2S	06/04/97	1107.83	100.55		1007.28	-1.71
MW-2S	07/03/97	1107.83	100.00		1007.83	0.55
MW-2S	08/06/97	1107.83	101.89	2.0	1005.94	-1.89
MW-2S	09/03/97	1107.83	99.80		1008.03	2.09
MW-2S	10/06/97	1107.83	99.03		1008.80	0.77
MW-2S	11/11/97	1107.83	99.44	2.9	1008.39	-0.41
MW-2S	12/01/97	1107.83	100.05		1007.78	-0.61
MW-2S	01/06/98	1107.83	101.40		1006.43	-1.35
MW-2S	02/03/98	1107.83	103.32	1.8	1004.51	-1.92
MW-2S	02/09/98	1107.83	103.79		1004.04	-0.47
MW-2S	02/16/98	1107.83	104.30		1003.53	-0.51
MW-2S	02/23/98	1107.83	104.74		1003.09	-0.44
MW-2S	03/02/98	1107.83	105.07		1002.76	-0.33
MW-2S	03/09/98	1107.83	105.85		1001.98	-0.78
MW-2S	03/24/98	1107.83	106.86		1000.97	-1.01
MW-2S	04/02/98	1107.83	107.28		1000.55	-0.42
MW-2S	04/13/98	1107.83	107.50		1000.33	-0.22
MW-2S	04/20/98	1107.83	107.73		1000.10	-0.23
MW-2S	05/04/98	1107.83	108.02		999.81	-0.29
MW-2S	05/18/98	1107.83	108.50	9.9	999.33	-0.48
MW-2S	06/01/98	1107.83	108.85		998.98	-0.35
MW-2S	06/15/98	1107.83	109.17		998.66	-0.32
MW-2S	07/02/98	1107.83	110.41		997.42	-1.24
MW-2S	07/14/98	1107.83	109.82		998.01	0.59
MW-2S	08/04/98	1107.83	110.31		997.52	-0.49
MW-2S	09/02/98	1107.83	111.00	0.92	996.83	-0.69
MW-2S	10/06/98	1107.83	111.97		995.86	-0.97
MW-2S	11/04/98	1107.83	112.41	0.99	995.42	-0.44

Table 5-6
Historical Water Levels and TCE Concentrations in Monitoring Wells Near West Osborn Complex, West Central Phoenix

Well I.D.	Date	Elevation of Top of Casing (ft amsl)	Depth to Groundwater (ft btoc)	TCE Concentration (μg/L)	Groundwater Elevation (ft AMSL)	Groundwater Elevation Change (ft)
MW-2S	12/04/98	1107.83	113.03		994.80	-0.62
MW-2S	01/04/99	1107.83	113.42		994.41	-0.39
MW-2S	02/02/99	1107.83	113.69	2.4	994.14	-0.27
MW-2S	03/02/99	1107.83	114.00		993.83	
MW-2S	03/07/02	1107.83	114.00		993.83	
MW-3M	02/04/97	1108.88	112.97	1.6	995.91	
MW-3M	03/04/97	1108.88	128.60		980.28	-15.63
MW-3M	04/04/97	1108.88	115.44		993.44	13.16
MW-3M	05/02/97	1108.88	120.54	83	988.34	-5.10
MW-3M	06/04/97	1108.88	149.05		959.83	-28.51
MW-3M	07/03/97	1108.88	139.08		969.80	9.97
MW-3M	08/06/97	1108.88	128.00	3.1	980.88	11.08
MW-3M	09/03/97	1108.88	120.15		988.73	7.85
MW-3M	10/06/97	1108.88	118.90		989.98	1.25
MW-3M	11/11/97	1108.88	117.57	<0.50	991.31	1.33
MW-3M	12/01/97	1108.88	117.25		991.63	0.32
MW-3M	01/06/98	1108.88	116.88		992.00	0.37
MW-3M	02/03/98	1108.88	120.57		988.31	-3.69
MW-3M	02/09/98	1108.88	117.84	<0.50	991.04	2.73
MW-3M	02/23/98	1108.88	117.82		991.06	0.02
MW-3M	03/02/98	1108.88	117.35		991.53	0.47
MW-3M	03/09/98	1108.88	118.91		989.97	-1.56
MW-3M	03/24/98	1108.88	134.53		974.35	-15.62
MW-3M	04/02/98	1108.88	118.13		990.75	16.40
MW-3M	04/13/98	1108.88	117.82		991.06	0.31
MW-3M	04/20/98	1108.88	118.07		990.81	-0.25
MW-3M	05/04/98	1108.88	119.09		989.79	-1.02
MW-3M	05/18/98	1108.88	119.68	<0.50	989.20	-0.59
MW-3M	06/01/98	1108.88	118.87		990.01	0.81
MW-3M	06/15/98	1108.88	119.37		989.51	-0.50
MW-3M	07/02/98	1108.88	119.90		988.98	-0.53
MW-3M	08/04/98	1108.88	120.68	<0.50	988.20	-0.78
MW-3M	09/02/98	1108.88	121.64		987.24	-0.96
MW-3M	10/06/98	1108.88	143.51		965.37	-21.87
MW-3M	11/04/98	1108.88	121.37	7.7	987.51	22.14
MW-3M	12/04/98	1108.88	123.54		985.34	-2.17
MW-3M	01/04/99	1108.88	121.15		987.73	2.39
MW-3M	02/03/99	1108.88	128.57	23	980.31	-7.42
MW-3M	03/02/99	1108.88	153.41		955.47	-24.84
MW-3M	03/10/99	1108.88	156.50		952.38	-3.09
MW-3M	11/19/99	1108.88		<0.50		
MW-3M	04/05/01	1108.88	133.68		975.20	22.82
MW-3M	05/07/01	1108.88	134.01		974.87	-0.33
MW-3M	06/05/01	1108.88	136.83		972.05	-2.82
MW-3M	04/03/02	1108.88	N/A		N/A	N/A
MW-3M	06/16/03	1108.88	149.04	<1.0	959.84	-12.21

Table 5-6
Historical Water Levels and TCE Concentrations in Monitoring Wells Near West Osborn Complex, West Central Phoenix

Well I.D.	Date	Elevation of Top of Casing (ft amsl)	Depth to Groundwater (ft btoc)	TCE Concentration (μg/L)	Groundwater Elevation (ft AMSL)	Groundwater Elevation Change (ft)
MW-3M	01/12/04	1108.88	149.70	<1.0	959.18	-0.66
MW-3S	11/13/96	1109.40	78.93	<0.50	1030.47	
MW-3S	02/05/97	1109.40	87.68	<0.50	1021.72	-8.75
MW-3S	03/04/97	1109.40	85.15		1024.25	2.53
MW-3S	04/04/97	1109.40	84.67		1024.73	0.48
MW-3S	05/02/97	1109.40	74.65	<0.50	1034.75	10.02
MW-3S	06/04/97	1109.40	73.91		1035.49	0.74
MW-3S	07/03/97	1109.40	73.70		1035.70	0.21
MW-3S	08/06/97	1109.40	74.33	<0.50	1035.07	-0.63
MW-3S	09/03/97	1109.40	73.62		1035.78	0.71
MW-3S	10/06/97	1109.40	74.18		1035.22	-0.56
MW-3S	11/11/97	1109.40	79.49	<0.50	1029.91	-5.31
MW-3S	12/01/97	1109.40	81.55		1027.85	-2.06
MW-3S	01/06/98	1109.40	86.13		1023.27	-4.58
MW-3S	02/03/98	1109.40	93.48	<0.50	1015.92	-7.35
MW-3S	02/09/98	1109.40	94.80		1014.60	-1.32
MW-3S	02/16/98	1109.40	96.62		1012.78	-1.82
MW-3S	02/23/98	1109.40	97.00		1012.40	
MW-4L	11/13/96	1108.14	94.33	<0.50	1013.81	
MW-4L	02/04/97	1108.16	88.18	<0.50	1019.98	6.17
MW-4L	03/04/97	1108.16	83.98		1024.18	4.20
MW-4L	04/04/97	1108.16	83.18		1024.98	0.80
MW-4L	05/02/97	1108.16	82.60	<0.50	1025.56	0.58
MW-4L	06/04/97	1108.16	86.60		1021.56	-4.00
MW-4L	07/03/97	1108.16	85.70		1022.46	0.90
MW-4L	08/06/97	1108.16	87.63	<0.50	1020.53	-1.93
MW-4L	09/03/97	1108.16	88.59		1019.57	-0.96
MW-4L	10/06/97	1108.16	86.15		1022.01	2.44
MW-4L	11/11/97	1108.16	84.31	<0.50	1023.85	1.84
MW-4L	12/01/97	1108.16	85.02		1023.14	-0.71
MW-4L	01/06/98	1108.16	83.00		1025.16	2.02
MW-4L	02/03/98	1108.16	82.33		1025.83	0.67
MW-4L	03/02/98	1108.16	82.10		1026.06	0.23
MW-4L	04/02/98	1108.16	81.90		1026.26	0.20
MW-4L	05/04/98	1108.16	82.34		1025.82	-0.44
MW-4L	06/01/98	1108.16	82.67		1025.49	-0.33
MW-4L	07/02/98	1108.16	83.00		1025.16	-0.33
MW-4L	08/04/98	1108.16	83.90		1024.26	-0.90
MW-4L	09/02/98	1108.16	84.50		1023.66	-0.60
MW-4L	10/06/98	1108.16	84.33		1023.83	0.17
MW-4L	11/04/98	1108.16	83.61	<0.50	1024.55	0.72
MW-4L	12/04/98	1108.16	82.88		1025.28	0.73
MW-4L	01/04/99	1108.16	81.57		1026.59	1.31
MW-4L	02/02/99	1108.16	80.87	<0.50	1027.29	0.70
MW-4L	03/02/99	1108.16	83.28		1024.88	-2.41

Table 5-6
Historical Water Levels and TCE Concentrations in Monitoring Wells Near West Osborn Complex, West Central Phoenix

Well I.D.	Date	Elevation of Top of Casing (ft amsl)	Depth to Groundwater (ft btoc)	TCE Concentration (μg/L)	Groundwater Elevation (ft AMSL)	Groundwater Elevation Change (ft)
MW-4L	03/10/99	1108.16	83.92		1024.24	-0.64
MW-4M	11/13/96	1107.88	110.34	6.3	997.54	
MW-4M	02/04/97	1107.90	110.89	5.0	997.01	-0.53
MW-4M	03/04/97	1107.90	120.38		987.52	-9.49
MW-4M	04/04/97	1107.90	113.39		994.51	6.99
MW-4M	05/02/97	1107.90	118.86	12	989.04	-5.47
MW-4M	06/04/97	1107.90	144.60		963.30	-25.74
MW-4M	07/03/97	1107.90	136.56		971.34	8.04
MW-4M	08/06/97	1107.90	126.36	3.2	981.54	10.20
MW-4M	09/03/97	1107.90	118.11		989.79	8.25
MW-4M	10/06/97	1107.90	116.83		991.07	1.28
MW-4M	11/11/97	1107.90	115.56	8.3	992.34	1.27
MW-4M	12/01/97	1107.90	114.83		993.07	0.73
MW-4M	01/06/98	1107.90	114.87		993.03	-0.04
MW-4M	02/03/98	1107.90	118.15	8.4	989.75	-3.28
MW-4M	03/02/98	1107.90	115.25		992.65	2.90
MW-4M	04/02/98	1107.90	116.00		991.90	-0.75
MW-4M	05/04/98	1107.90	117.05		990.85	-1.05
MW-4M	06/01/98	1107.90	116.88	5.9	991.02	0.17
MW-4M	07/02/98	1107.90	117.79		990.11	-0.91
MW-4M	08/04/98	1107.90	118.73		989.17	-0.94
MW-4M	09/02/98	1107.90	119.64	7.5	988.26	-0.91
MW-4M	10/06/98	1107.90	137.57		970.33	-17.93
MW-4M	11/04/98	1107.90	119.42	3.1	988.48	18.15
MW-4M	12/04/98	1107.90	121.22		986.68	-1.80
MW-4M	01/04/99	1107.90	119.03		988.87	2.19
MW-4M	02/02/99	1107.90	118.62	1.4	989.28	0.41
MW-4M	03/02/99	1107.90	149.04		958.86	-30.42
MW-4M	03/10/99	1107.90	152.02		955.88	-2.98
MW-4M	11/19/99			7.5		
MW-4M	04/05/01	1107.90	131.10		976.80	20.92
MW-4M	05/07/01	1107.28	131.41		975.87	-0.93
MW-4M	06/14/01	1107.28	134.09	10	973.19	-2.68
MW-4M	04/03/02	1107.28	136.28		971.00	-2.19
MW-4M	06/16/03	1107.28	146.38	18	960.90	-10.10
MW-4M	01/13/04	1107.28	147.11	14	960.17	-0.73
MW-4S	11/13/96	1107.64	88.34	340	1019.30	
MW-4S	02/05/97	1107.64	93.73	130	1013.91	-5.39
MW-4S	03/04/97	1107.64	93.55		1014.09	0.18
MW-4S	04/04/97	1107.64	87.90		1019.74	5.65
MW-4S	05/02/97	1107.64	88.02	600	1019.62	-0.12
MW-4S	06/04/97	1107.64	89.39		1018.25	-1.37
MW-4S	07/03/97	1107.64	88.89		1018.75	0.50
MW-4S	08/06/97	1107.64	90.60	480	1017.04	-1.71
MW-4S	09/03/97	1107.64	89.20		1018.44	1.40

Table 5-6
Historical Water Levels and TCE Concentrations in Monitoring Wells Near West Osborn Complex, West Central Phoenix

Well I.D.	Date	Elevation of Top of Casing (ft amsl)	Depth to Groundwater (ft btoc)	TCE Concentration (µg/L)	Groundwater Elevation (ft AMSL)	Groundwater Elevation Change (ft)
MW-4S	10/06/97	1107.64	88.87		1018.77	0.33
MW-4S	11/11/97	1107.64	91.45	170	1016.19	-2.58
MW-4S	12/01/97	1107.64	92.90		1014.74	-1.45
MW-4S	01/06/98	1107.64	95.63		1012.01	-2.73
MW-4S	02/03/98	1107.64	99.50	25	1008.14	-3.87
MW-4S	03/02/98	1107.64	101.95		1005.69	-0.43
MW-4S	04/02/98	1107.64	104.00		1003.64	-0.41
MW-4S	05/18/98	1107.64	105.50	7.2	1002.14	-0.52
MW-4S	06/15/98	1107.64	106.22		1001.42	-0.37
MW-4S	07/14/98	1107.64	107.05		1000.59	-0.83
MW-4S	08/04/98	1107.64	107.55	15	1000.09	-0.50
MW-4S	09/02/98	1107.64	108.33		999.31	-0.78
MW-4S	10/06/98	1107.64	109.61		998.03	-1.28
MW-4S	11/04/98	1107.64	109.84	4.9	997.80	-0.23
MW-4S	12/04/98	1107.64	110.58		997.06	-0.74
MW-4S	01/04/99	1107.64	110.84		996.80	-0.26
MW-4S	02/02/99	1107.64	111.11	14	996.53	-0.27
MW-4S	03/02/99	1107.64	113.64		994.00	-2.53
MW-4S	06/29/99	1107.64				
MW-4S	11/20/99	1107.64				
MW-4S	02/15/01	1107.64	120.98		986.66	-6.46
MW-4S	03/14/01	1107.64	121.01		986.63	-0.03
MW-4S	04/16/01	1107.64	121.45		986.19	-0.44
MW-4S	05/17/01	1107.64	121.97		985.67	-0.52
MW-4S	06/18/01	1107.64	122.74		984.90	-0.77
MW-4S	07/20/01	1107.64	123.62		984.02	-0.88
MW-4S	08/23/01	1107.64	124.00		983.64	NA
MW-4S	11/14/01	1107.64	124.00		983.64	NA
MW-4S	12/14/01	1107.64	124.00		983.64	NA
MW-5S	11/13/96	1108.05	97.98	480	1010.07	
MW-5S	02/05/97	1108.05	100.40	230	1007.65	-2.42
MW-5S	03/04/97	1108.05	101.28		1006.77	-0.88
MW-5S	04/04/97	1108.05	101.02		1007.03	0.26
MW-5S	05/02/97	1108.05	101.91	230	1006.14	-0.89
MW-5S	06/04/97	1108.05	102.90		1005.15	-0.99
MW-5S	07/03/97	1108.05	102.66		1005.39	0.24
MW-5S	08/06/97	1108.05	104.90	140	1003.15	-2.24
MW-5S	09/03/97	1108.05	102.87		1005.18	2.03
MW-5S	10/06/97	1108.05	102.11		1005.94	0.76
MW-5S	11/11/97	1108.05	102.53	97	1005.52	-0.42
MW-5S	12/01/97	1108.05	103.04		1005.01	-0.51
MW-5S	01/06/98	1108.05	104.24		1003.81	-1.20
MW-5S	02/16/98	1108.05	106.75	96	1001.30	-0.35
MW-5S	03/09/98	1108.05	107.91		1000.14	-0.66
MW-5S	04/13/98	1108.05	109.00		999.05	-0.11
MW-5S	05/18/98	1108.05	109.72	39	998.33	-0.43

Table 5-6
Historical Water Levels and TCE Concentrations in Monitoring Wells Near West Osborn Complex, West Central Phoenix

Well I.D.	Date	Elevation of Top of Casing (ft amsl)	Depth to Groundwater (ft btoc)	TCE Concentration (μg/L)	Groundwater Elevation (ft AMSL)	Groundwater Elevation Change (ft)
MW-5S	06/01/98	1108.05	110.00		998.05	-0.28
MW-5S	07/14/98	1108.05	110.82		997.23	-0.21
MW-5S	08/04/98	1108.05	111.37	110	996.68	-0.55
MW-5S	09/02/98	1108.05	112.07		995.98	-0.70
MW-5S	10/06/98	1108.05	112.95		995.10	-0.88
MW-5S	11/04/98	1108.05	113.50	110	994.55	-0.55
MW-5S	12/04/98	1108.05	114.20		993.85	-0.70
MW-5S	01/04/99	1108.05	114.48		993.57	-0.28
MW-5S	02/02/99	1108.05	114.69	91	993.36	-0.21
MW-5S	03/02/99	1108.05	116.73		991.32	-2.04
MW-5S	06/29/99	1108.05				
MW-5S	11/20/99	1108.05				
MW-5S	02/15/01	1107.28	123.81		983.47	-7.85
MW-5S	03/14/01	1107.28	123.72		983.56	0.09
MW-5S	04/16/01	1107.28	124.06		983.22	-0.34
MW-5S	05/17/01	1107.28	124.46		982.82	-0.40
MW-5S	06/18/01	1107.28	125.21	100	982.07	-0.75
MW-5S	07/20/01	1107.28	126.09		981.19	-0.88
MW-5S	08/23/01	1107.28	126.90		980.38	-0.81
MW-5S	11/14/01	1107.28	128.10		979.18	-1.20
MW-5S	12/14/01	1107.28	128.08		979.20	0.02
MW-5S	01/17/02	1107.28	128.19		979.09	-0.11
MW-5S	03/07/02	1107.28	128.40	75	978.88	-0.21
MW-5S	08/13/02	1107.28	131.89			
MW-5S	08/28/02	1107.28	132.20		975.08	-3.80
MW-5S	09/23/02	1107.28	132.86		974.42	-0.66
MW-5S	12/10/02	1107.28	133.45		973.83	-0.59
MW-5S	03/05/03	1107.28	133.99		973.29	-0.54
MW-5S	05/21/03	1107.28	135.00		972.28	
MW-5S	01/12/04	1107.28	DRY		< 971.48	
MW-6L	11/13/96	1098.26	75.71	<0.50	1022.55	
MW-6L	02/04/97	1098.28	74.21	<0.50	1024.07	1.52
MW-6L	03/04/97	1098.28	74.12		1024.16	0.09
MW-6L	04/04/97	1098.28	76.38		1021.90	-2.26
MW-6L	05/02/97	1098.28	76.63	<0.50	1021.65	-0.25
MW-6L	06/04/97	1098.28	77.92		1020.36	-1.29
MW-6L	07/03/97	1098.28	80.85		1017.43	-2.93
MW-6L	08/06/97	1098.28	82.48	<0.50	1015.80	-1.63
MW-6L	09/03/97	1098.28	81.06		1017.22	1.42
MW-6L	10/06/97	1098.28	80.03		1018.25	1.03
MW-6L	11/11/97	1098.28	77.97	<0.50	1020.31	2.06
MW-6L	12/01/97	1098.28	76.87		1021.41	1.10
MW-6L	01/06/98	1098.28	75.52		1022.76	1.35
MW-6L	02/03/98	1098.28	76.25		1022.03	-0.73
MW-6L	03/02/98	1098.28	76.55		1021.73	-0.30
MW-6L	04/02/98	1098.28	76.46		1021.82	0.09

Table 5-6
Historical Water Levels and TCE Concentrations in Monitoring Wells Near West Osborn Complex, West Central Phoenix

Well I.D.	Date	Elevation of Top of Casing (ft amsl)	Depth to Groundwater (ft btoc)	TCE Concentration (µg/L)	Groundwater Elevation (ft AMSL)	Groundwater Elevation Change (ft)
MW-6L	05/04/98	1098.28	76.95		1021.33	-0.49
MW-6L	06/01/98	1098.28	77.25		1021.03	-0.30
MW-6L	07/02/98	1098.28	78.34		1019.94	-1.09
MW-6L	08/04/98	1098.28	79.10		1019.18	-0.76
MW-6L	09/02/98	1098.28	79.65		1018.63	-0.55
MW-6L	10/06/98	1098.28	78.70		1019.58	0.95
MW-6L	11/04/98	1098.28	78.18	<0.50	1020.10	0.52
MW-6L	12/04/98	1098.28	76.57		1021.71	1.61
MW-6L	01/04/99	1098.28	75.47		1022.81	1.10
MW-6L	02/02/99	1098.28	75.09	<0.50	1023.19	0.38
MW-6L	03/02/99	1098.28	76.45		1021.83	-1.36
MW-6L	03/10/99	1098.28	77.63		1020.65	-1.18
MW-6M	02/04/97	1098.16	107.61	6.2	990.55	
MW-6M	03/04/97	1098.16	111.95		986.21	-4.34
MW-6M	04/04/97	1098.16	110.24		987.92	1.71
MW-6M	05/02/97	1098.16	115.68	8.4	982.48	-5.44
MW-6M	06/04/97	1098.16	134.62		963.54	-18.94
MW-6M	07/03/97	1098.16	126.00		972.16	8.62
MW-6M	08/06/97	1098.16	126.33	8.3	971.83	-0.33
MW-6M	09/03/97	1098.16	116.21		981.95	10.12
MW-6M	10/06/97	1098.16	114.80		983.36	1.41
MW-6M	11/11/97	1098.16	113.25	8.3	984.91	1.55
MW-6M	12/01/97	1098.16	112.57		985.59	0.68
MW-6M	01/06/98	1098.16	111.67		986.49	0.90
MW-6M	02/03/98	1098.16	115.30	8.6	982.86	-3.63
MW-6M	03/02/98	1098.16	111.51		986.65	3.79
MW-6M	04/02/98	1098.16	112.15		986.01	-0.64
MW-6M	05/04/98	1098.16	113.36	3.1	984.80	-1.21
MW-6M	06/01/98	1098.16	113.23		984.93	0.13
MW-6M	07/02/98	1098.16	114.47		983.69	-1.24
MW-6M	08/04/98	1098.16	115.70	4.6	982.46	-1.23
MW-6M	09/02/98	1098.16	116.94		981.22	-1.24
MW-6M	10/06/98	1098.16	129.42		968.74	-12.48
MW-6M	11/04/98	1098.16	116.10	6.0	982.06	13.32
MW-6M	12/04/98	1098.16	118.23		979.93	-2.13
MW-6M	01/04/99	1098.16	115.13		983.03	3.10
MW-6M	02/02/99	1098.16	114.55	5.8	983.61	0.58
MW-6M	03/02/99	1098.16	137.61		960.55	-23.06
MW-6M	03/10/99	1098.16	140.80		957.36	-3.19
MW-6M	11/18/99	1098.16		25		
MW-6M	04/05/01	1098.16	127.15		971.01	13.65
MW-6M	05/07/01	1098.16	127.84		970.32	-0.69
MW-6M	06/14/01	1098.16	131.25	2.9	966.91	-3.41
MW-6M	04/03/02	1098.16	133.47		964.69	-2.22
MW-6M	06/13/03	1098.16	143.00	12	955.16	-9.53
MW-6M	01/12/04	1098.16	143.55	19	954.61	-0.55

Table 5-6
Historical Water Levels and TCE Concentrations in Monitoring Wells Near West Osborn Complex, West Central Phoenix

Well I.D.	Date	Elevation of Top of Casing (ft amsl)	Depth to Groundwater (ft btoc)	TCE Concentration (µg/L)	Groundwater Elevation (ft AMSL)	Groundwater Elevation Change (ft)
MW-6S	11/13/96	1098.35	95.75	<0.50	1002.60	
MW-6S	02/05/97	1098.35	97.85	<0.50	1000.50	-2.10
MW-6S	03/04/97	1098.35	98.48		999.87	-0.63
MW-6S	04/04/97	1098.35	100.47		997.88	-1.99
MW-6S	05/02/97	1098.35	101.25	<0.50	997.10	-0.78
MW-6S	06/04/97	1098.35	103.65		994.70	-2.40
MW-6S	07/03/97	1098.35	103.92		994.43	-0.27
MW-6S	08/06/97	1098.35	104.90	<0.50	993.45	-0.98
MW-6S	09/03/97	1098.35	102.87		995.48	2.03
MW-6S	10/06/97	1098.35	103.73		994.62	-0.86
MW-6S	11/11/97	1098.35	102.53	<0.50	995.82	1.20
MW-6S	12/01/97	1098.35	102.70		995.65	-0.17
MW-6S	01/06/98	1098.35	102.74		995.61	-0.04
MW-6S	02/03/98	1098.35	103.45	<0.50	994.90	-0.71
MW-6S	03/02/98	1098.35	104.06		994.29	-0.61
MW-6S	04/02/98	1098.35	105.48		992.87	-1.42
MW-6S	05/04/98	1098.35	105.97	1.0	992.38	-0.49
MW-6S	06/01/98	1098.35	106.86		991.49	-0.89
MW-6S	07/02/98	1098.35	107.52		990.83	-0.66
MW-6S	08/04/98	1098.35	108.63	<0.50	989.72	-1.11
MW-6S	09/02/98	1098.35	109.43		988.92	-0.80
MW-6S	10/06/98	1098.35	110.72		987.63	-1.29
MW-6S	11/04/98	1098.35	110.52	<0.50	987.83	0.20
MW-6S	12/04/98	1098.35	111.20		987.15	-0.68
MW-6S	01/04/99	1098.35	111.32		987.03	-0.12
MW-6S	02/02/99	1098.35	111.15	<0.50	987.20	0.17
MW-6S	03/02/99	1098.35	115.62		982.73	-4.47
MW-6S	03/10/99	1098.35	116.67		981.68	-1.05
MW-6S	06/29/99					
MW-6S	11/20/99					
MW-6S	02/15/01	1098.35	120.00		978.35	NA
MW-6S	03/14/01	1098.35	120.00		978.35	NA
MW-6S	04/16/01	1098.35	120.00		978.35	NA
MW-6S	05/17/01	1098.35	120.00		978.35	NA
MW-6S	06/18/01	1098.35	120.00		978.35	NA
MW-6S	07/20/01	1098.35	120.00		978.35	NA
MW-6S	08/23/01	1098.35	120.00		978.35	NA
MW-6S	11/14/01	1098.35	120.00		978.35	NA
MW-6S	12/14/01	1098.35	120.00		978.35	NA
MW-6S	01/17/02	1098.35	120.00		978.35	NA
MW-7L	11/13/96	1105.39	81.34	<0.50	1024.05	
MW-7L	02/04/97	1105.41	80.17	<0.50	1025.24	1.19
MW-7L	03/04/97	1105.41	80.04		1025.37	0.13
MW-7L	04/04/97	1105.41	82.13		1023.28	-2.09
MW-7L	05/02/97	1105.41	82.39	<0.50	1023.02	-0.26

Table 5-6
Historical Water Levels and TCE Concentrations in Monitoring Wells Near West Osborn Complex, West Central Phoenix

Well I.D.	Date	Elevation of Top of Casing (ft amsl)	Depth to Groundwater (ft btoc)	TCE Concentration (μg/L)	Groundwater Elevation (ft AMSL)	Groundwater Elevation Change (ft)
MW-7L	06/04/97	1105.41	84.40		1021.01	-2.01
MW-7L	07/03/97	1105.41	86.84		1018.57	-2.44
MW-7L	08/06/97	1105.41	89.16	<0.50	1016.25	-2.32
MW-7L	09/03/97	1105.41	86.75		1018.66	2.41
MW-7L	10/06/97	1105.41	85.57		1019.84	1.18
MW-7L	11/11/97	1105.41	83.72	<0.50	1021.69	1.85
MW-7L	12/01/97	1105.41	82.94		1022.47	0.78
MW-7L	01/06/98	1105.41	81.75		1023.66	1.19
MW-7L	02/03/98	1105.41	82.07		1023.34	-0.32
MW-7L	03/02/98	1105.41	82.12		1023.29	-0.05
MW-7L	04/02/98	1105.41	82.48		1022.93	-0.36
MW-7L	05/04/98	1105.41	82.61		1022.80	-0.13
MW-7L	06/01/98	1105.41	82.94		1022.47	-0.33
MW-7L	07/02/98	1105.41	83.55		1021.86	-0.61
MW-7L	08/04/98	1105.41	84.43		1020.98	-0.88
MW-7L	09/02/98	1105.41	84.75		1020.66	-0.32
MW-7L	10/06/98	1105.41	83.87		1021.54	0.88
MW-7L	11/04/98	1105.41	83.42	<0.50	1021.99	0.45
MW-7L	12/04/98	1105.41	82.10		1023.31	1.32
MW-7L	01/04/99	1105.41	81.20		1024.21	0.90
MW-7L	02/02/99	1105.41	80.75	<0.50	1024.66	0.45
MW-7L	03/02/99	1105.41	82.42		1022.99	-1.67
MW-7L	03/10/99	1105.41	84.02		1021.39	-1.60
MW-7M	02/04/97	1105.40	111.90	9.7	993.50	
MW-7M	03/04/97	1105.40	132.35		973.05	-20.45
MW-7M	04/04/97	1105.40	113.93		991.47	18.42
MW-7M	05/02/97	1105.40	118.48	13	986.92	-4.55
MW-7M	06/04/97	1105.40	151.76		953.64	-33.28
MW-7M	07/03/97	1105.40	141.92		963.48	9.84
MW-7M	08/06/97	1105.40	127.17	21	978.23	14.75
MW-7M	09/03/97	1105.40	118.82		986.58	8.35
MW-7M	10/06/97	1105.40	117.40		988.00	1.42
MW-7M	11/11/97	1105.40	116.27	6.8	989.13	1.13
MW-7M	12/01/97	1105.40	115.70		989.70	0.57
MW-7M	01/06/98	1105.40	115.02		990.38	0.68
MW-7M	02/03/98	1105.40	119.31	8.9	986.09	-4.29
MW-7M	03/02/98	1105.40	116.17		989.23	3.14
MW-7M	04/02/98	1105.40	116.87		988.53	-0.70
MW-7M	05/04/98	1105.40	116.98	5.9	988.42	-0.11
MW-7M	06/01/98	1105.40	117.68		987.72	-0.70
MW-7M	07/02/98	1105.40	118.66		986.74	-0.98
MW-7M	08/04/98	1105.40	119.50	2.3	985.90	-0.84
MW-7M	09/02/98	1105.40	120.72		984.68	-1.22
MW-7M	10/06/98	1105.40	146.20		959.20	-25.48
MW-7M	11/04/98	1105.40	120.16	1.9	985.24	26.04
MW-7M	12/04/98	1105.40	122.65		982.75	-2.49

Table 5-6
Historical Water Levels and TCE Concentrations in Monitoring Wells Near West Osborn Complex, West Central Phoenix

Well I.D.	Date	Elevation of Top of Casing (ft amsl)	Depth to Groundwater (ft btoc)	TCE Concentration (μg/L)	Groundwater Elevation (ft AMSL)	Groundwater Elevation Change (ft)
MW-7M	01/04/99	1105.40	119.81		985.59	2.84
MW-7M	02/02/99	1105.40	119.38	3.2	986.02	0.43
MW-7M	03/02/99	1105.40	156.23		949.17	-36.85
MW-7M	03/10/99	1105.40	159.48		945.92	-3.25
MW-7M	11/19/99	1106.40	127.60	4.4	978.80	32.88
MW-7M	04/05/01	1106.40	133.21		973.19	-5.61
MW-7M	05/07/01	1106.40	133.47		972.93	-0.26
MW-7M	06/05/01	1106.40	136.48		969.92	-3.01
MW-7M	06/17/03	1106.40	148.56	20	957.84	-12.08
MW-7M	01/13/04	1106.40	149.18	22	957.22	-0.62
MW-7S	11/13/96	1105.22	81.15	<0.50	1024.07	
MW-7S	02/05/97	1105.22	86.27	<0.50	1018.95	-5.12
MW-7S	03/04/97	1105.22	86.75		1018.47	-0.48
MW-7S	04/04/97	1105.22	81.41		1023.81	5.34
MW-7S	05/02/97	1105.22	81.42	<0.50	1023.80	-0.01
MW-7S	06/04/97	1105.22	81.55		1023.67	-0.13
MW-7S	07/03/97	1105.22	81.03		1024.19	0.52
MW-7S	08/06/97	1105.22	81.92	<0.50	1023.30	-0.89
MW-7S	09/03/97	1105.22	80.70		1024.52	1.22
MW-7S	10/06/97	1105.22	79.80		1025.42	0.90
MW-7S	11/11/97	1105.22	81.04	<0.50	1024.18	-1.24
MW-7S	12/01/97	1105.22	82.13		1023.09	-1.09
MW-7S	01/06/98	1105.22	84.86		1020.36	-2.73
MW-7S	02/03/98	1105.22	89.62		1015.60	-4.76
MW-7S	02/09/98	1105.22	90.98		1014.24	-1.36
MW-7S	02/16/98	1105.22	92.19		1013.03	-1.21
MW-7S	02/23/98	1105.22	93.20	<0.50	1012.02	-1.01
MW-7S	03/02/98	1105.22	94.02		1011.20	-0.82
MW-7S	03/09/98	1105.22	95.09		1010.13	-1.07
MW-7S	04/02/98	1105.22	97.30		1007.92	-2.21
MW-7S	04/13/98	1105.22	97.82		1007.40	-0.52
MW-7S	04/20/98	1105.22	98.12		1007.10	-0.30
MW-7S	05/04/98	1105.22	98.47		1006.75	-0.35
MW-7S	05/18/98	1105.22	99.12	<0.50	1006.10	-0.65
MW-7S	06/01/98	1105.22	99.59		1005.63	-0.47
MW-7S	06/15/98	1105.22	100.14		1005.08	-0.55
MW-7S	07/02/98	1105.22	100.47		1004.75	-0.33
MW-7S	08/04/98	1105.22	101.51		1003.71	-1.04
MW-7S	09/02/98	1105.22	N/A		Dry	
WCP-1	03/24/98	1109.37	92.43		1016.94	
WCP-1	04/02/98	1109.37	93.12		1016.25	-0.69
WCP-1	04/13/98	1109.37	93.58		1015.79	-0.46
WCP-1	04/20/98	1109.37	93.91		1015.46	-0.33
WCP-1	05/04/98	1109.37	94.36		1015.01	-0.78
WCP-1	05/18/98	1109.37	94.91		1014.46	-0.55

Table 5-6
Historical Water Levels and TCE Concentrations in Monitoring Wells Near West Osborn Complex, West Central Phoenix

Well I.D.	Date	Elevation of Top of Casing (ft amsl)	Depth to Groundwater (ft btoc)	TCE Concentration (µg/L)	Groundwater Elevation (ft AMSL)	Groundwater Elevation Change (ft)
WCP-1	06/01/98	1109.37	95.48		1013.89	-0.57
WCP-1	06/15/98	1109.37	95.93		1013.44	-0.45
WCP-1	08/04/98	1109.37	97.83		1011.54	-1.90
WCP-1	09/02/98	1109.37	98.80		1010.57	-0.97
WCP-1	10/06/98	1109.37	99.77		1009.60	-0.97
WCP-1	11/04/98	1109.37	100.25		1009.12	-0.48
WCP-1	12/04/98	1109.37	100.83		1008.54	-0.58
WCP-1	01/04/99	1109.37	101.48		1007.89	-0.65
WCP-1	02/02/99	1109.37	N/A		Dry	
WCP-10	11/13/96	1102.50	99.89	16	1002.61	
WCP-10	02/05/97	1102.50	100.82	<0.50	1001.68	-0.93
WCP-10	03/04/97	1102.50	100.97		1001.53	-0.15
WCP-10	04/04/97	1102.50	102.78		999.72	-1.81
WCP-10	05/02/97	1102.50	103.70	20	998.80	-0.92
WCP-10	06/04/97	1102.50	105.59		996.91	-1.89
WCP-10	07/03/97	1102.50	106.67		995.83	-1.08
WCP-10	08/06/97	1102.50	108.97	19	993.53	-2.30
WCP-10	09/03/97	1102.50	108.62		993.88	0.35
WCP-10	10/06/97	1102.50	107.92		994.58	0.70
WCP-10	11/11/97	1102.50	107.83	29	994.67	0.09
WCP-10	12/01/97	1102.50	107.67		994.83	0.16
WCP-10	01/06/98	1102.50	107.60		994.90	0.07
WCP-10	02/03/98	1102.50	107.45	11	995.05	0.15
WCP-10	03/02/98	1102.50	107.52		994.98	-0.07
WCP-10	04/02/98	1102.50	107.93		994.57	-0.41
WCP-10	05/04/98	1102.50	NM	3.9		
WCP-10	06/01/98	1102.50	108.09		994.41	-0.16
WCP-10	07/02/98	1102.50	108.52		993.98	-0.43
WCP-10	08/04/98	1102.50	109.29	5.9	993.21	-0.77
WCP-10	09/02/98	1102.50	109.87		992.63	-0.58
WCP-10	10/06/98	1102.50	110.90		991.60	-1.03
WCP-10	11/04/98	1102.50	111.50	11	991.00	-0.60
WCP-10	12/04/98	1102.50	112.09		990.41	-0.59
WCP-10	01/04/99	1102.50	112.27		990.23	-0.18
WCP-10	02/02/99	1102.50	112.14	13	990.36	0.13
WCP-10	03/02/99	1102.50	113.43		989.07	-1.29
WCP-10	03/10/99	1102.50	114.07		988.43	-0.64
WCP-10	02/15/01	1102.50	120.14		982.36	-6.07
WCP-10	03/14/01	1102.50	119.74		982.76	0.40
WCP-10	04/16/01	1102.50	119.39		983.11	0.35
WCP-11	11/13/96	1107.66	101.04	<0.50	1006.62	
WCP-11	02/05/97	1107.66	103.56	<0.50	1004.10	-2.52
WCP-11	03/04/97	1107.66	103.93		1003.73	-0.37
WCP-11	04/04/97	1107.66	105.68		1001.98	-1.75
WCP-11	05/02/97	1107.66	106.31	<0.50	1001.35	-0.63

Table 5-6
Historical Water Levels and TCE Concentrations in Monitoring Wells Near West Osborn Complex, West Central Phoenix

Well I.D.	Date	Elevation of Top of Casing (ft amsl)	Depth to Groundwater (ft btoc)	TCE Concentration (μg/L)	Groundwater Elevation (ft AMSL)	Groundwater Elevation Change (ft)
WCP-11	06/04/97	1107.66	108.48		999.18	-2.17
WCP-11	07/03/97	1107.66	108.84		998.82	-0.36
WCP-11	08/06/97	1107.66	111.29	1.5	996.37	-2.45
WCP-11	09/03/97	1107.66	109.50		998.16	1.79
WCP-11	10/06/97	1107.66	108.69		998.97	0.81
WCP-11	11/11/97	1107.66	108.45	2.1	999.21	0.24
WCP-11	12/01/97	1107.66	108.54		999.12	-0.09
WCP-11	01/06/98	1107.66	108.95		998.71	-0.41
WCP-11	02/03/98	1107.66	109.41	3.8	998.25	-0.46
WCP-11	03/02/98	1107.66	110.03		997.63	-0.62
WCP-11	04/02/98	1107.66	110.96		996.70	-0.93
WCP-11	05/04/98	1107.66	110.88	2.7	996.78	0.08
WCP-11	06/01/98	1107.66	111.31		996.35	-0.43
WCP-11	07/02/98	1107.66	111.74		995.92	-0.43
WCP-11	08/04/98	1107.66	112.47	0.93	995.19	-0.73
WCP-11	09/02/98	1107.66	113.13		994.53	-0.66
WCP-11	10/06/98	1107.66	114.05		993.61	-0.92
WCP-11	11/04/98	1107.66	114.60	0.70	993.06	-0.55
WCP-11	12/04/98	1107.66	115.24		992.42	-0.64
WCP-11	01/04/99	1107.66	115.37		992.29	-0.13
WCP-11	02/02/99	1107.66	115.45	1.3	992.21	-0.08
WCP-11	03/02/99	1107.66	117.97		989.69	-2.52
WCP-11	03/10/99	1107.66	118.91		988.75	-0.94
WCP-11	02/15/01	1107.66	Dry		NA	NA
WCP-11	03/14/01	1107.66	Dry		NA	NA
WCP-11	04/16/01	1107.66	Dry		NA	NA
WCP-12	11/13/96	1111.15		0.71		
WCP-12	02/05/97	1111.15	87.79	1.1	1023.36	
WCP-12	03/04/97	1111.15	86.37		1024.78	1.42
WCP-12	04/04/97	1111.15	79.69		1031.46	6.68
WCP-12	05/02/97	1111.15	79.96	0.53	1031.19	-0.27
WCP-12	06/04/97	1111.09	79.69		1031.40	0.21
WCP-12	07/03/97	1111.09	79.45		1031.64	0.24
WCP-12	08/06/97	1111.09	80.31	0.99	1030.78	-0.86
WCP-12	09/03/97	1111.09	79.53		1031.56	0.78
WCP-12	10/06/97	1111.09	79.53		1031.56	0.00
WCP-12	11/11/97	1111.09	82.72	0.74	1028.37	-3.19
WCP-12	12/01/97	1111.09	84.14		1026.95	-1.42
WCP-12	01/06/98	1111.09	87.95		1023.14	-3.81
WCP-12	02/03/98	1111.09	93.37	1.0	1017.72	-5.42
WCP-12	02/09/98	1111.09	94.65		1016.44	-1.28
WCP-12	02/16/98	1111.09	95.55		1015.54	-0.90
WCP-12	02/23/98	1111.09	96.23		1014.86	-0.68
WCP-12	03/02/98	1111.09	96.97		1014.12	-0.74
WCP-12	03/09/98	1111.09	97.56		1013.53	-0.59
WCP-12	03/24/98	1111.09	98.72		1012.37	-1.16

Table 5-6
Historical Water Levels and TCE Concentrations in Monitoring Wells Near West Osborn Complex, West Central Phoenix

Well I.D.	Date	Elevation of Top of Casing (ft amsl)	Depth to Groundwater (ft btoc)	TCE Concentration (μg/L)	Groundwater Elevation (ft AMSL)	Groundwater Elevation Change (ft)
WCP-12	04/02/98	1111.09	99.30		1011.79	-0.58
WCP-12	04/13/98	1111.09	99.73		1011.36	-0.43
WCP-12	04/20/98	1111.09	100.11		1010.98	-0.38
WCP-12	05/04/98	1111.09	N/A		Dry	
WCP-13	11/13/96	1108.15	81.06	<0.50	1027.09	
WCP-13	02/05/97	1108.15	88.75	<0.50	1019.40	-7.69
WCP-13	03/04/97	1108.15	86.35		1021.80	2.40
WCP-13	04/04/97	1108.15	76.90		1031.25	9.45
WCP-13	05/02/97	1108.15	77.45	<0.50	1030.70	-0.55
WCP-13	06/04/97	1108.11	77.51		1030.60	-0.10
WCP-13	07/03/97	1108.11	78.51		1029.60	-1.00
WCP-13	08/06/97	1108.11	78.90	<0.50	1029.21	-0.39
WCP-13	09/03/97	1108.11	78.46		1029.65	0.44
WCP-13	10/06/97	1108.11	79.03		1029.08	-0.57
WCP-13	11/11/97	1108.11	83.24		1024.87	-4.21
WCP-13	12/01/97	1108.11	85.23		1022.88	-1.99
WCP-13	01/06/98	1108.11	89.33		1018.78	-4.10
WCP-13	02/03/98	1108.11	94.95	<0.50	1013.16	-5.62
WCP-13	02/09/98	1108.11	95.90		1012.21	-0.95
WCP-13	02/16/98	1108.11	96.69		1011.42	-0.79
WCP-13	02/23/98	1108.11	97.36		1010.75	-0.67
WCP-13	03/02/98	1108.11	97.86		1010.25	-0.50
WCP-13	03/09/98	1108.11	98.42		1009.69	-0.56
WCP-13	03/24/98	1108.11	99.31		1008.80	-0.89
WCP-13	04/02/98	1108.11	99.37		1008.74	-0.06
WCP-13	04/13/98	1108.11	99.37		1008.74	0.00
WCP-13	04/20/98	1108.11	N/A		Dry	
WCP-13M	01/06/98	1108.42	115.50		992.92	
WCP-13M	02/03/98	1108.42	119.01	<0.50	989.41	-3.51
WCP-13M	03/02/98	1108.42	115.98		992.44	3.03
WCP-13M	04/02/98	1108.42	116.73		991.69	-0.75
WCP-13M	04/13/98	1108.42	116.35		992.07	0.38
WCP-13M	05/04/98	1108.42	117.55	<0.50	990.87	-1.20
WCP-13M	06/01/98	1108.42	117.46		990.96	0.09
WCP-13M	07/02/98	1108.42	118.42		990.00	-0.96
WCP-13M	08/04/98	1108.42	119.23		989.19	-0.81
WCP-13M	08/25/98	1108.42	119.92	<0.50	988.50	-0.69
WCP-13M	Sep. 1998 reading no good - use 8/25/98					
WCP-13M	10/06/98	1108.42	139.04		969.38	-19.12
WCP-13M	11/04/98	1108.42	119.84		988.58	19.20
WCP-13M	12/04/98	1108.42	121.98		986.44	-2.14
WCP-13M	01/04/99	1108.42	119.63		988.79	2.35
WCP-13M	02/02/99	1108.42	119.29		989.13	0.34
WCP-13M	03/02/99	1108.42	150.15		958.27	-30.86
WCP-13M	03/10/99	1108.42	153.28		955.14	-3.13

Table 5-6
Historical Water Levels and TCE Concentrations in Monitoring Wells Near West Osborn Complex, West Central Phoenix

Well I.D.	Date	Elevation of Top of Casing (ft amsl)	Depth to Groundwater (ft btoc)	TCE Concentration (µg/L)	Groundwater Elevation (ft AMSL)	Groundwater Elevation Change (ft)
WCP-14	11/13/96	1112.13				
WCP-14	02/05/97	1112.13	97.46	<0.50	1014.67	
WCP-14	03/04/97	1112.13	98.07		1014.06	-0.61
WCP-14	04/04/97	1112.13	90.20		1021.93	7.87
WCP-14	05/02/97	1112.13	88.85	<0.50	1023.28	1.35
WCP-14	06/04/97	1112.06	89.04		1023.02	-0.26
WCP-14	07/03/97	1112.06	89.23		1022.83	-0.19
WCP-14	08/06/97	1112.06	88.72	<0.50	1023.34	0.51
WCP-14	09/03/97	1112.06	90.55		1021.51	-1.83
WCP-14	10/06/97	1112.06	90.75		1021.31	-0.20
WCP-14	11/11/97	1112.06	94.17	<0.50	1017.89	-3.42
WCP-14	12/01/97	1112.06	95.82		1016.24	-1.65
WCP-14	01/06/98	1112.06	98.77		1013.29	-2.95
WCP-14	02/03/98	1112.06	103.23		1008.83	-4.46
WCP-14	02/09/98	1112.06	104.04	<0.50	1008.02	-0.81
WCP-14	02/16/98	1112.06	104.81		1007.25	-0.77
WCP-14	02/23/98	1112.06	105.45		1006.61	-0.64
WCP-14	03/02/98	1112.06	105.89		1006.17	-0.44
WCP-14	03/09/98	1112.06	106.44		1005.62	-0.55
WCP-14	03/24/98	1112.06	107.21		1004.85	-0.77
WCP-14	04/02/98	1112.06	107.64		1004.42	-0.43
WCP-14	04/13/98	1112.06	108.00		1004.06	-0.36
WCP-14	04/20/98	1112.06	108.21		1003.85	-0.21
WCP-14	05/04/98	1112.06	108.57		1003.49	-0.36
WCP-14	05/18/98	1112.06	N/A		Dry	
WCP-2	03/24/98	1113.23	91.44		1021.79	
WCP-2	04/02/98	1113.23	91.87		1021.36	-0.43
WCP-2	04/13/98	1113.23	93.58		1019.65	-1.71
WCP-2	04/20/98	1113.23	92.51		1020.72	1.07
WCP-2	05/04/98	1113.23	93.03		1020.20	-0.52
WCP-2	05/18/98	1113.23	93.62		1019.61	-0.59
WCP-2	06/01/98	1113.23	94.16		1019.07	-0.54
WCP-2	06/15/98	1113.23	94.79		1018.44	-0.63
WCP-2	08/04/98	1113.23	97.74		1015.49	-2.95
WCP-2	09/02/98	1113.23	98.40		1014.83	-0.66
WCP-2	10/06/98	1113.23	100.67		1012.56	-2.27
WCP-2	11/04/98	1113.23	101.14		1012.09	-0.47
WCP-2	12/04/98	1113.23	101.65		1011.58	-0.51
WCP-2	01/04/99	1113.23	102.42		1010.81	-0.77
WCP-2	02/02/99	1113.23	102.77		1010.46	-0.35
WCP-2	03/02/99	1113.23	103.29		1009.94	-0.52
WCP-2	03/10/99	1113.23	103.48		1009.75	-0.19
WCP-3	11/08/96	1102.55	94.90	<0.50	1007.65	
WCP-3	02/05/97	1102.55	97.31	0.53	1005.24	-2.41

Table 5-6
Historical Water Levels and TCE Concentrations in Monitoring Wells Near West Osborn Complex, West Central Phoenix

Well I.D.	Date	Elevation of Top of Casing (ft amsl)	Depth to Groundwater (ft btoc)	TCE Concentration (μg/L)	Groundwater Elevation (ft AMSL)	Groundwater Elevation Change (ft)
WCP-3	03/04/97	1102.55	98.02		1004.53	-0.71
WCP-3	04/04/97	1102.55	98.66		1003.89	-0.64
WCP-3	05/02/97	1102.55	98.80	<0.50	1003.75	-0.14
WCP-3	06/04/97	1102.55	100.18		1002.37	-1.38
WCP-3	07/03/97	1102.55	100.51		1002.04	-0.33
WCP-3	08/06/97	1102.55	103.27	0.92	999.28	-2.76
WCP-3	09/03/97	1102.55	101.18		1001.37	2.09
WCP-3	10/06/97	1102.55	100.46		1002.09	0.72
WCP-3	11/11/97	1102.55	100.33	0.68	1002.22	0.13
WCP-3	12/01/97	1102.55	100.55		1002.00	-0.22
WCP-3	01/06/98	1102.55	101.35		1001.20	-0.80
WCP-3	02/03/98	1102.55	102.28	<0.50	1000.27	-0.93
WCP-3	03/02/98	1102.55	103.47		999.08	-1.19
WCP-3	04/02/98	1102.55	104.85		997.70	-1.38
WCP-3	05/04/98	1102.55	105.33	<0.50	997.22	-0.48
WCP-3	06/01/98	1102.55	106.02		996.53	-0.69
WCP-3	07/02/98	1102.55	106.55		996.00	-0.53
WCP-3	08/04/98	1102.55	107.23	<0.50	995.32	-0.68
WCP-3	09/02/98	1102.55	107.88		994.67	-0.65
WCP-3	10/06/98	1102.55	108.65		993.90	-0.77
WCP-3	11/04/98	1102.55	109.28	<0.50	993.27	-0.63
WCP-3	12/04/98	1102.55	109.96		992.59	-0.68
WCP-3	01/04/99	1102.55	110.48		992.07	-0.52
WCP-3	02/02/99	1102.55	110.78	<0.50	991.77	-0.30
WCP-3	03/02/99	1102.55	112.34		990.21	-1.56
WCP-3	03/10/99	1102.55	113.26		989.29	-0.92
WCP-3	02/15/01	1102.55	Dry		NA	NA
WCP-3	03/14/01	1102.55	Dry		NA	NA
WCP-3	04/16/01	1102.55	Dry		NA	NA
WCP-3	05/17/01	1102.55	Dry		NA	NA
WCP-3	06/18/01	1102.55	Dry		NA	NA
WCP-3	07/20/01	1102.55	See Notes		See Notes	-
WCP-3	08/23/01	1102.55	Dry		NA	NA
WCP-4	11/13/96	1109.25	100.38	2.00	1008.87	
WCP-4	02/05/97	1109.25	106.09	<0.50	1003.16	-5.71
WCP-4	03/04/97	1109.25	106.42		1002.83	-0.33
WCP-4	04/04/97	1109.25	109.58		999.67	-3.16
WCP-4	05/02/97	1109.25	110.58	<0.50	998.67	-1.00
WCP-4	06/04/97	1109.25	113.71		995.54	-3.13
WCP-4	07/03/97	1109.25	113.78		995.47	-0.07
WCP-4	08/06/97	1109.25	115.00	0.58	994.25	-1.22
WCP-4	09/03/97	1109.25	113.94		995.31	1.06
WCP-4	10/06/97	1109.25	112.83		996.42	1.11
WCP-4	11/11/97	1109.25	112.33	0.76	996.92	0.50
WCP-4	12/01/97	1109.25	112.18		997.07	0.15
WCP-4	01/06/98	1109.25	112.15		997.10	0.03

Table 5-6
Historical Water Levels and TCE Concentrations in Monitoring Wells Near West Osborn Complex, West Central Phoenix

Well I.D.	Date	Elevation of Top of Casing (ft amsl)	Depth to Groundwater (ft btoc)	TCE Concentration (µg/L)	Groundwater Elevation (ft AMSL)	Groundwater Elevation Change (ft)
WCP-4	02/03/98	1109.25	112.31	1.4	996.94	-0.16
WCP-4	03/02/98	1109.25	112.57		996.68	-0.26
WCP-4	04/02/98	1109.25	113.38		995.87	-0.81
WCP-4	05/04/98	1109.25	113.51	<0.50	995.74	-0.13
WCP-4	06/01/98	1109.25	113.33		995.92	0.18
WCP-4	07/02/98	1109.25	113.78		995.47	-0.45
WCP-4	08/04/98	1109.25	114.60	2.7	994.65	-0.82
WCP-4	09/02/98	1109.25	115.23		994.02	-0.63
WCP-4	10/06/98	1109.25	116.80		992.45	-1.57
WCP-4	11/04/98	1109.25	116.75	0.85	992.50	0.05
WCP-4	12/04/98	1109.25	117.38		991.87	-0.63
WCP-4	01/04/99	1109.25	117.33		991.92	0.05
WCP-4	02/02/99	1109.25	117.36	<0.50	991.89	-0.03
WCP-4	03/02/99	1109.25	121.71		987.54	-4.35
WCP-4	03/10/99	1109.25	122.87		986.38	-1.16
WCP-4	02/15/01	1109.25	125.06		984.19	-2.19
WCP-4	03/14/01	1109.25	124.81		984.44	0.25
WCP-4	04/16/01	1109.25	124.83		984.42	-0.02
WCP-5	03/24/98	1112.13	91.30		1020.83	
WCP-5	04/02/98	1112.13	92.03		1020.10	-0.73
WCP-5	04/13/98	1112.13	92.63		1019.50	-0.60
WCP-5	05/04/98	1112.13	93.63		1018.50	-1.00
WCP-5	05/18/98	1112.13	94.30		1017.83	-0.67
WCP-5	06/01/98	1112.13	95.06		1017.07	-0.76
WCP-5	06/15/98	1112.13	95.72		1016.41	-0.66
WCP-5	08/04/98	1112.13	97.74		1014.39	-2.02
WCP-5	09/02/98	1112.13	98.46		1013.67	-0.72
WCP-5	10/06/98	1112.13	99.24		1012.89	-0.78
WCP-5	11/04/98	1112.13	99.70		1012.43	-0.46
WCP-5	12/04/98	1112.13	100.25		1011.88	-0.55
WCP-5	01/04/99	1112.13	100.86		1011.27	-0.61
WCP-5	02/02/99	1112.13	101.29		1010.84	-0.43
WCP-5	03/02/99	1112.13	101.91		1010.22	-0.62
WCP-5	03/10/99	1112.13	102.16		1009.97	-0.25
WCP-6	03/24/98	1110.04	94.15		1015.89	
WCP-6	04/02/98	1110.04	94.80		1015.24	-0.65
WCP-6	04/13/98	1110.04	95.42		1014.62	-0.62
WCP-6	04/20/98	1110.04	95.85		1014.19	-0.43
WCP-6	05/04/98	1110.04	96.56		1013.48	-0.71
WCP-6	05/18/98	1110.04	97.12		1012.92	-0.56
WCP-6	06/01/98	1110.04	97.74		1012.30	-0.62
WCP-6	06/15/98	1110.04	98.23		1011.81	-0.49
WCP-6	08/04/98	1110.04	99.73		1010.31	-1.50
WCP-6	09/02/98	1110.04	100.36		1009.68	-0.63
WCP-6	10/06/98	1110.04	101.07		1008.97	-0.71

Table 5-6
Historical Water Levels and TCE Concentrations in Monitoring Wells Near West Osborn Complex, West Central Phoenix

Well I.D.	Date	Elevation of Top of Casing (ft amsl)	Depth to Groundwater (ft btoc)	TCE Concentration (μg/L)	Groundwater Elevation (ft AMSL)	Groundwater Elevation Change (ft)
WCP-6	11/04/98	1110.04	101.41		1008.63	-0.34
WCP-6	12/04/98	1110.04	102.00		1008.04	-0.59
WCP-6	01/04/99	1110.04	102.95		1007.09	-0.95
WCP-6	02/02/99	1110.04	103.52		1006.52	-0.57
WCP-6	03/02/99	1110.04	104.23		1005.81	-0.71
WCP-6	03/10/99	1110.04	104.42		1005.62	-0.19
WCP-7	03/24/98	1110.64	92.57		1018.07	
WCP-7	04/02/98	1110.64	93.30		1017.34	-0.73
WCP-7	04/13/98	1110.64	93.75		1016.89	-0.45
WCP-7	04/20/98	1110.64	94.02		1016.62	-0.27
WCP-7	05/04/98	1110.64	94.50		1016.14	-0.48
WCP-7	05/18/98	1110.64	95.05		1015.59	-0.55
WCP-7	06/01/98	1110.64	95.60		1015.04	-0.55
WCP-7	06/15/98	1110.64	96.05		1014.59	-0.45
WCP-7	08/04/98	1110.64	97.86		1012.78	-1.81
WCP-7	09/02/98	1110.64	98.75		1011.89	-0.89
WCP-7	10/06/98	1110.64	99.77		1010.87	-1.02
WCP-7	11/04/98	1110.64	100.21		1010.43	-0.44
WCP-7	12/04/98	1110.64	100.71		1009.93	-0.50
WCP-7	01/04/99	1110.64	101.43		1009.21	-0.72
WCP-7	02/02/99	1110.64	101.76		1008.88	-0.33
WCP-7	03/02/99	1110.64	102.24		1008.40	-0.48
WCP-7	03/10/99	1110.64	102.50		1008.14	-0.26
WCP-8	11/08/96	1109.92	103.13	<0.50	1006.79	
WCP-8	02/05/97	1109.92	104.21	<0.50	1005.71	-1.08
WCP-8	03/04/97	1109.92	104.72		1005.20	-0.51
WCP-8	04/04/97	1109.92	107.58		1002.34	-2.86
WCP-8	05/02/97	1109.92	108.65	<0.50	1001.27	-1.07
WCP-8	06/04/97	1109.92	112.15		997.77	-3.50
WCP-8	07/03/97	1109.92	111.32		998.60	0.83
WCP-8	08/06/97	1109.92	114.24	<0.50	995.68	-2.92
WCP-8	09/03/97	1109.92	110.80		999.12	3.44
WCP-8	10/06/97	1109.92	109.45		1000.47	1.35
WCP-8	11/11/97	1109.92	108.91	<0.50	1001.01	0.54
WCP-8	12/01/97	1109.92	108.85		1001.07	0.06
WCP-8	01/06/98	1109.92	109.07		1000.85	-0.22
WCP-8	02/03/98	1109.92	109.65	<0.50	1000.27	-0.58
WCP-8	03/02/98	1109.92	110.07		999.85	-0.42
WCP-8	04/02/98	1109.92	111.10		998.82	-1.03
WCP-8	05/04/98	1109.92	110.97	<0.50	998.95	0.13
WCP-8	06/01/98	1109.92	111.31		998.61	-0.34
WCP-8	07/02/98	1109.92	111.62		998.30	-0.31
WCP-8	08/04/98	1109.92	112.47	<0.50	997.45	-0.85
WCP-8	09/02/98	1109.92	113.03		996.89	-0.56
WCP-8	10/06/98	1109.92	114.65		995.27	-1.62

Table 5-6
Historical Water Levels and TCE Concentrations in Monitoring Wells Near West Osborn Complex, West Central Phoenix

Well I.D.	Date	Elevation of Top of Casing (ft amsl)	Depth to Groundwater (ft btoc)	TCE Concentration (μg/L)	Groundwater Elevation (ft AMSL)	Groundwater Elevation Change (ft)
WCP-8	11/04/98	1109.92	114.58	<0.50	995.34	0.07
WCP-8	12/04/98	1109.92	115.33		994.59	-0.75
WCP-8	01/04/99	1109.92	115.39		994.53	-0.06
WCP-8	02/02/99	1109.92	115.13	<0.50	994.79	0.26
WCP-8	03/02/99	1109.92	120.18		989.74	-5.05
WCP-8	03/10/99	1109.92	122.72		987.20	-2.54
WCP-8	02/15/01	1109.92	124.08		985.84	-1.36
WCP-8	03/14/01	1109.92	Dry		NA	NA
WCP-8	04/16/01	1109.92	Dry		NA	NA
WCP-9	03/24/98	1109.36	91.19		1018.17	
WCP-9	04/02/98	1109.36	92.09		1017.27	-0.90
WCP-9	04/13/98	1109.36	92.76		1016.60	-0.67
WCP-9	04/20/98	1109.36	93.20		1016.16	-0.44
WCP-9	05/04/98	1109.36	93.86		1015.50	-0.66
WCP-9	05/18/98	1109.36	94.63		1014.73	-0.77
WCP-9	06/01/98	1109.36	95.30		1014.06	-0.67
WCP-9	06/15/98	1109.36	95.90		1013.46	-0.60
WCP-9	07/02/98	1109.36	96.58		1012.78	-0.68
WCP-9	08/04/98	1109.36	97.78		1011.58	-1.20
WCP-9	09/02/98	1109.36	98.60		1010.76	-0.82
WCP-9	10/06/98	1109.36	99.34		1010.02	-0.74
WCP-9	11/04/98	1109.36	99.81		1009.55	-0.47
WCP-9	12/04/98	1109.36	100.41		1008.95	-0.60
WCP-9	01/04/99	1109.36	101.00		1008.36	-0.59
WCP-9	02/02/99	1109.36	101.45		1007.91	-0.45
WCP-9	03/02/99	1109.36	102.15		1007.21	-0.70
WCP-9	03/10/99	1109.36	102.48		1006.88	-0.33
WOC IRR.	06/15/84	1108.93		283		
WOC IRR.	07/02/84	1108.93		260		
WOC IRR.	08/29/84	1108.93		340		
WOC IRR.	07/20/87	1108.93		291		
WOC IRR.	05/22/91	1108.93		23 to 90	(depth discrete)	
WOC IRR.	06/27/91	1108.93		16 to 40	(depth discrete)	
WOC IRR.	03/19/92	1108.93		1000	well not purged	
WOC IRR.	03/20/92	1108.93		17		
WOC IRR.	11/13/96	1108.93	115.14		993.79	
WOC IRR.	03/04/97	1108.93	117.63		991.30	-2.49
WOC IRR.	04/04/97	1108.93	118.66		990.27	-1.03
WOC IRR.	05/02/97	1108.93	125.70		983.23	-7.04
WOC IRR.	06/04/97	1108.93	147.58		961.35	-21.88
WOC IRR.	07/03/97	1108.93	139.86		969.07	7.72
WOC IRR.	08/06/97	1108.93	128.04		980.89	11.82
WOC IRR.	09/03/97	1108.93	123.51		985.42	4.53
WOC IRR.	10/06/97	1108.93	122.16		986.77	1.35
WOC IRR.	11/11/97	1108.93	120.56		988.37	1.60

Table 5-6
Historical Water Levels and TCE Concentrations in Monitoring Wells Near West Osborn Complex, West Central Phoenix

Well I.D.	Date	Elevation of Top of Casing (ft amsl)	Depth to Groundwater (ft btoc)	TCE Concentration (μg/L)	Groundwater Elevation (ft AMSL)	Groundwater Elevation Change (ft)
WOC IRR.	12/01/97	1108.93	119.86		989.07	0.70
WOC IRR.	01/06/98	1108.93	119.00		989.93	0.86
WOC IRR.	02/03/98	1108.93	122.07		986.86	-3.07
WOC IRR.	03/02/98	1108.93	118.93		990.00	3.14
WOC IRR.	04/02/98	1108.93	119.72		989.21	-0.79
WOC IRR.	05/04/98	1108.93	120.51		988.42	-0.79
WOC IRR.	06/01/98	1108.93	120.55		988.38	-0.04
WOC IRR.	08/04/98	1108.93	122.78		986.15	-2.23
WOC-IRR	09/02/98	1108.93	123.92		985.01	-1.14
WOC-IRR	10/06/98	1108.93	140.80		968.13	-16.88
WOC-IRR	11/04/98	1108.93	123.38		985.55	17.42
WOC-IRR	12/04/98	1108.93	125.00		983.93	-1.62
WOC-IRR	01/04/99	1108.93	122.38		986.55	2.62
WOC-IRR	02/03/99	1108.93	129.02		979.91	-6.64
WOC-IRR	03/02/99	1108.93	150.71		958.22	-21.69
WOC-IRR	03/10/99	1108.93	154.29		954.64	-3.58

Table 5-7
Annual Pumping Volume by SRP Well 9.5E-7.7N

Year	Pumping (acre-feet)
1949	3136
1950	4249
1951	3525
1952	2417
1953	2133
1954	2963
1955	2753
1956	4889
1957	3625
1958	3345
1959	3057
1960	2431
1961	3078
1962	2295
1963	2512
1964	2186
1965	1593
1966	872
1967	3300
1968	555
1969	1530
1970	2517
1971	2942
1972	2440
1973	177
1974	2293
1975	2603
1976	2817
1977	3047
1978	55
1979	12
1980	9
1981	2638
1982	1116
1983	10
1984	1607
1985	11
1986	48
1987	21
1988	0.5
1989	102
1990	1900
1991	419
1992	16
1993	31
1994	367
1995	85
1996	717
1997	883
1998	161
1999	545

Table 5-8
Approximate Groundwater Seepage Velocities

Horizontal flow in the shallow water-table aquifer	***On-site***	***Off-site***
Prior to Canal lining	SE, 4 to 8 ft/day	SE to SSE, 8 to 13 t/day
After Canal lining	SE to SSE, 1 to 2 ft/day	SSE, 1 to 3 ft/day
Horizontal flow in the lower sand and gravel subunit	***On-site***	***Off-site***
No SRP pumping	SW to SSW, 12 to 14 ft/day	SW to SSW, 2 to 6 ft/day
SRP Pumping	WNW, 10 to 14 ft/day	Radial, 10 to 14 ft/day
Vertical flow	***Upward***	***Downward***
No SRP pumping	0.0002 to 0.002 ft/day	0.012 ft/day
After Canal lining	0.0002 to 0.002 ft/day	0.006 ft/day
SRP Pumping	0.003 to 0.004 ft/day	0.023 to 0.030 ft/day

TABLE 5-9
Groundwater Quality Analytical Results for Volatile Organic Compounds

		Analytical Results for Selected Volatile Organic Compounds							Dissolved Gases		
Well ID	**Date Sampled**	**PCE (µg/L)**	**TCE (µg/L)**	**cis-1,2-DCE (µg/L)**	**trans-1,2-DCE (µg/L)**	**1,1-DCE (µg/L)**	**Vinyl Chloride (µg/L)**	**Chloroethane (µg/L)**	**Ethane (ng/L)**	**Ethene (ng/L)**	**Methane (µg/L)**
MW-1S	11/18/96	< 0.50	19	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	02/10/97	< 0.50	17	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	05/05/97	< 0.50	27	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	08/05/97	0.7	73	<0.50	<0.50	1.3	<0.50	<0.50	NA	NA	NA
	11/18/97	< 1.3	58	<1.3	<1.3	< 1.3	<1.3	<1.3	NA	NA	NA
	02/17/98	< 1.25	65	<1.25	<1.25	1.6	<1.25	<1.25	NA	NA	NA
	05/26/98	< 1.25	37	<1.25	<1.25	< 1.25	<1.25	<1.25	NA	NA	NA
	08/25/98	< 0.5	45	<0.5	<0.5	1.20	<0.5	<0.5	NA	NA	NA
	11/09/98	< 1.0	46	<1.0	<1.0	< 1.0	<1.0	<1.0	NA	NA	NA
	02/16/99	0.58	39	<5.0	<5.0	0.95	<5.0	<5.0	NA	NA	NA
Well Dry	11/14/01										
MW-2S	11/19/96	< 0.50	1.6	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	02/11/97	< 0.50	3.5	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	05/07/97	< 0.50	1.7	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	08/04/97	< 0.50	2.0	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	11/18/97	< 0.50	2.9	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	02/13/98	< 0.50	1.8	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	05/21/98	< 0.50	9.90	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	08/27/98	< 0.50	0.92	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	11/10/98	< 0.50	0.99	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	02/16/99	< 0.50	2.40	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
Well Dry	03/02/99										
MW-3S	11/19/96	< 0.50	< 0.50	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	02/11/97	< 0.50	< 0.50	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	05/07/97	< 0.50	< 0.50	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	08/05/97	< 0.50	< 0.50	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	11/18/97	< 0.50	< 0.50	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	02/13/98	< 0.50	< 0.50	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
Well Dry	02/23/98										

TABLE 5-9
Groundwater Quality Analytical Results for Volatile Organic Compounds

		Analytical Results for Selected Volatile Organic Compounds							Dissolved Gases		
Well ID	**Date Sampled**	**PCE (µg/L)**	**TCE (µg/L)**	**cis-1,2-DCE (µg/L)**	**trans-1,2-DCE (µg/L)**	**1,1-DCE (µg/L)**	**Vinyl Chloride (µg/L)**	**Chloroethane (µg/L)**	**Ethane (ng/L)**	**Ethene (ng/L)**	**Methane (µg/L)**
MW-4S	11/18/96	< 25	340	<25	<25	< 25	<25	<25	NA	NA	NA
	02/05/97	4.5	130	<2.5	<2.5	3.7	<2.5	<2.5	NA	NA	NA
	05/06/97	< 25	600	<25	<25	< 25	<25	<25	NA	NA	NA
	08/04/97	18	480	<10.0	<10.0	11	<10.0	<10.0	NA	NA	NA
	11/17/97	5.5	170	<5.0	<5.0	< 5.0	<5.0	<5.0	NA	NA	NA
	02/11/98	< 1.0	25	<1.0	<1.0	< 1.0	<1.0	<1.0	NA	NA	NA
	05/26/98	< 0.50	7.2	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	08/28/98	< 0.50	15	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	11/11/98	< 0.50	4.9	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	02/18/98	0.79	14	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
Well Dry	08/23/01										
MW-5S	11/18/96	< 25	480	<25	<25	86	<25	<25	NA	NA	NA
	02/07/97	7.5	230	<5.0	<5.0	41	<5.0	<5.0	NA	NA	NA
	05/05/97	< 10	230	<0.50	<0.50	33	<0.50	<0.50	NA	NA	NA
	08/04/97	6.0	140	1.4	<0.50	29	<0.50	<0.50	NA	NA	NA
	11/13/97	3.4	97	<2.5	<2.5	14	<2.5	<2.5	NA	NA	NA
	02/17/98	3.6	96	<2.5	<2.5	18	<2.5	<2.5	NA	NA	NA
	05/21/98	1.40	39	<2.5	<2.5	6.4	<2.5	<2.5	NA	NA	NA
	08/28/98	< 2.5	110	<2.5	<2.5	10	<2.5	<2.5	NA	NA	NA
	11/09/98	3.30	110	<2.5	<2.5	8.7	<2.5	<2.5	NA	NA	NA
	02/19/99	4.50	91	<2.5	<2.5	16	<2.5	<2.5	NA	NA	NA
	06/08/01	2	100	7	<0.2	5	<0.2	<0.2	NA	NA	NA
	03/07/02	2.1	75	2.2	<0.50	3.4	<0.50	<0.50	NA	NA	NA
Well Dry	01/12/04										
MW-6S	11/20/96	< 0.50	< 0.50	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	02/07/98	< 0.50	< 0.50	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	05/05/97	< 0.50	< 0.50	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	08/05/97	< 0.50	< 0.50	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	11/17/97	< 0.50	< 0.50	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	02/11/98	< 0.50	< 0.50	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	05/19/98	< 0.50	1.00	<0.50	<0.50	NA	<0.50	<0.50	NA	NA	NA
	08/21/98	< 0.50	< 0.50	<0.50	<0.50	NA	<0.50	<0.50	NA	NA	NA

TABLE 5-9
Groundwater Quality Analytical Results for Volatile Organic Compounds

		Analytical Results for Selected Volatile Organic Compounds							Dissolved Gases		
Well ID	**Date Sampled**	**PCE (µg/L)**	**TCE (µg/L)**	**cis-1,2-DCE (µg/L)**	**trans-1,2-DCE (µg/L)**	**1,1-DCE (µg/L)**	**Vinyl Chloride (µg/L)**	**Chloroethane (µg/L)**	**Ethane (ng/L)**	**Ethene (ng/L)**	**Methane (µg/L)**
	11/05/98	< 0.50	< 0.50	<0.50	<0.50	NA	<0.50	<0.50	NA	NA	NA
	02/09/99	< 0.50	< 0.50	<0.50	<0.50	NA	<0.50	<0.50	NA	NA	NA
Well Dry	02/15/01										
MW-7S	11/19/96	< 0.50	< 0.50	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	02/10/97	< 0.50	< 0.50	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	05/07/97	< 0.50	< 0.50	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	08/04/97	< 0.50	< 0.50	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	11/13/97	< 0.50	< 0.50	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	02/23/98	< 0.50	< 0.50	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	05/26/98	< 0.50	< 0.50	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
Well Dry	09/02/98										
MW-100S	06/18/03	2.3	70	2.1	< 1.0	7.7	< 1.0	< 1.0	17	78	0.57
	09/19/03	1.6	34	< 1.0	< 1.0	3.1	< 1.0	< 1.0	20	42	0.66
	01/16/04	2.0	47	1.6	< 1.0	4.4	< 1.0	< 1.0	NA	NA	NA
MW-102S	02/18/98	1.6	60	<1.3	<1.3	4.4	<1.3	<1.3	NA	NA	NA
	05/20/98	3.70	98	<0.50	<0.50	7.50	<0.50	<0.50	NA	NA	NA
	08/25/98	1.40	49	<0.50	<0.50	4.70	<0.50	<0.50	NA	NA	NA
	11/10/98	< 1.0	41	<0.50	<0.50	3.40	<0.50	<0.50	NA	NA	NA
	02/11/99	1.80	40	<0.50	<0.50	3.60	<0.50	<0.50	NA	NA	NA
	06/11/01	1	59	<0.2	<0.2	7	<0.2	<0.2	NA	NA	NA
	03/07/02	1.7	110	0.58	<0.50	6.4	<0.50	<0.50	NA	NA	NA
	06/17/03	2.7	120	< 1.0	< 1.0	12	< 1.0	< 1.0	7.8	16	0.093
Well Dry	09/18/03										
MW-103S	02/09/98	< 1.3	59	<1.3	<1.3	2.0	<1.3	<1.3	NA	NA	NA
	05/18/98	< 1.0	29	<1.0	<1.0	< 1.0	<1.0	<1.0	NA	NA	NA
	08/20/98	< 0.50	28	<0.50	<0.50	0.78	<0.50	<0.50	NA	NA	NA
	11/06/98	< 0.50	29	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	02/08/99	0.60	40	<0.50	<0.50	1.20	<0.50	<0.50	NA	NA	NA

TABLE 5-9
Groundwater Quality Analytical Results for Volatile Organic Compounds

		Analytical Results for Selected Volatile Organic Compounds							Dissolved Gases		
Well ID	**Date Sampled**	**PCE (µg/L)**	**TCE (µg/L)**	**cis-1,2-DCE (µg/L)**	**trans-1,2-DCE (µg/L)**	**1,1-DCE (µg/L)**	**Vinyl Chloride (µg/L)**	**Chloroethane (µg/L)**	**Ethane (ng/L)**	**Ethene (ng/L)**	**Methane (µg/L)**
	11/23/99	< 0.50	34	<0.50	<0.50	0.89	<0.50	<0.50	NA	NA	NA
	06/07/01	0.4	30	<0.2	<0.2	1	<0.2	<0.2	NA	NA	NA
	03/07/02	0.57	40	<0.50	<0.50	1.4	<0.50	<0.50	NA	NA	NA
Well Dry	06/17/03										
MW-104S	02/09/98	< 1.0	32	<1.0	<1.0	9.9	<1.0	<1.0	NA	NA	NA
	05/19/98	< 1.0	25	<1.0	<1.0	11	<1.0	<1.0	NA	NA	NA
	08/20/98	< 0.50	67	<0.50	<0.50	17	<0.50	<0.50	NA	NA	NA
	11/06/98	< 2.5	110	<2.5	<2.5	13	<2.5	<2.5	NA	NA	NA
	02/08/99	< 2.5	83	<2.5	<2.5	11	<2.5	<2.5	NA	NA	NA
	06/29/99	< 2.0	44	<2.0	<2.0	8	<2.0	<2.0	NA	NA	NA
	11/20/99	1.60	81	<0.50	<0.50	8.6	<0.50	<0.50	NA	NA	NA
	06/11/01	3	130	1.0	<0.2	19	<0.2	<0.2	NA	NA	NA
	03/07/02	4.2	200	2.9	<0.50	27	<0.50	<0.50	NA	NA	NA
	06/17/03	4.4	190	2.2	<1.0	9.9	< 1.0	< 1.0	< 5.0	< 5.0	0.073
	09/19/03	3.4	180	2.0	<1.0	24	<1.0	<1.0	< 5.0	15	0.65
Well Dry	01/12/04										
MW-201S	02/08/99	0.61	21	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	06/29/99	< 0.50	2.1	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	11/20/99	< 0.50	1.6	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	06/07/01	0.8	72	<0.2	<0.2	4.0	<0.2	<0.2	NA	NA	NA
	03/07/02	0.9	57	<0.50	<0.50	2.6	<0.50	<0.50	NA	NA	NA
	06/18/03	< 1.0	39	< 1.0	< 1.0	2.9	< 1.0	< 1.0	5.9	<5.0	0.38
	09/18/03	< 1.0	38	< 1.0	< 1.0	2.5	< 1.0	< 1.0	< 5.0	14	1.1
	01/16/04	< 1.0	27	< 1.0	< 1.0	1.5	< 1.0	< 1.0	7.5	13	0.67
ARCO MW-2	06/18/03	< 1.0	< 1.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	260	29	1.1
	09/19/03	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	240	21	0.83
	01/16/04	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA

TABLE 5-9
Groundwater Quality Analytical Results for Volatile Organic Compounds

		Analytical Results for Selected Volatile Organic Compounds							Dissolved Gases		
Well ID	Date Sampled	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Chloroethane (µg/L)	Ethane (ng/L)	Ethene (ng/L)	Methane (µg/L)
MW-2M	12/05/96	< 5.0	75	<5.0	<5.0	< 5.0	<5.0	<5.0	NA	NA	NA
	02/04/97	< 2.5	80	<2.5	<2.5	< 2.5	<2.5	<2.5	NA	NA	NA
	05/07/97	< 2.5	72	<2.5	<2.5	< 2.5	<2.5	<2.5	NA	NA	NA
	08/08/97	< 2.5	61	<2.5	<2.5	< 2.5	<2.5	<2.5	NA	NA	NA
	11/18/97	< 2.5	120	<2.5	<2.5	< 2.5	<2.5	<2.5	NA	NA	NA
	02/13/98	< 2.5	110	<2.5	<2.5	< 2.5	<2.5	<2.5	NA	NA	NA
	05/21/98	< 2.5	64	<2.5	<2.5	< 2.5	<2.5	<2.5	NA	NA	NA
	08/27/98	< 2.5	67	<2.5	<2.5	< 2.5	<2.5	<2.5	NA	NA	NA
	11/10/98	< 2.5	65	<2.5	<2.5	< 2.5	<2.5	<2.5	NA	NA	NA
	02/12/99	0.7	40	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	11/19/99	0.8	46	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	06/14/01	4	49	<0.2	<0.2	< 0.2	<0.2	<0.2	NA	NA	NA
	06/13/03	11	43	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	24	22	0.65
	01/16/04	11	45	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA
MW-3M	12/03/96	< 0.50	7.3	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	02/04/97	< 0.50	1.6	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	05/07/97	< 0.50	83	<2.50	<2.50	< 2.50	<2.50	<2.50	NA	NA	NA
	08/09/97	< 0.50	3.1	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	11/18/97	< 0.50	< 0.50	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	02/13/98	< 0.50	< 0.50	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	05/21/98	< 0.50	< 0.50	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	08/27/98	< 0.50	< 0.50	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	11/10/98	< 0.50	7.70	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	02/12/99	0.57	23.00	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	11/19/99	1.80	< 0.50	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	06/16/03	7.6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA
	01/12/04	9.6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA

TABLE 5-9
Groundwater Quality Analytical Results for Volatile Organic Compounds

		Analytical Results for Selected Volatile Organic Compounds							Dissolved Gases		
Well ID	Date Sampled	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Chloroethane (µg/L)	Ethane (ng/L)	Ethene (ng/L)	Methane (µg/L)
MW-4M	12/02/96	< 0.50	6.3	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	02/03/97	< 0.50	5.0	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	05/08/97	< 0.50	12	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	08/06/97	< 0.50	3.2	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	11/17/97	< 0.50	8.3	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	02/11/98	< 0.50	8.4	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	05/26/98	< 0.50	5.9	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	08/28/98	< 0.50	7.5	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	11/11/98	< 0.50	3.1	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	02/17/99	< 0.50	1.4	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	11/19/99	2.0	7.5	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	06/14/01	17.0	10	<0.2	<0.2	< 0.2	<0.2	<0.2	<4.0	<3.0	5.9
	06/16/03	34	18	< 1.0	< 1.0	1.0	< 1.0	< 1.0	NA	NA	NA
	01/15/04	27	14	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA
MW-6M	12/06/96	< 0.50	6.2	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	02/04/97	< 0.50	6.2	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	05/06/97	< 0.50	8.4	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	08/08/97	< 0.50	8.3	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	11/18/97	< 0.50	8.3	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	02/11/98	< 0.50	8.6	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	05/19/98	< 0.50	3.1	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	08/21/98	< 0.50	4.6	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	11/05/98	< 0.50	6.0	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	02/09/99	< 0.50	5.8	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	11/18/99	< 0.50	25	<0.50	<0.50	0.52	<0.50	<0.50	NA	NA	NA
	06/14/01	< 0.2	2.9	<0.2	<0.2	< 0.2	<0.2	<0.2	31	29	14
	06/13/03	< 1.0	12.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA
	01/14/04	< 1.0	19	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA
MW-7M	12/05/96	< 0.50	9.7	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	02/04/97	< 0.50	9.7	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA

TABLE 5-9
Groundwater Quality Analytical Results for Volatile Organic Compounds

		Analytical Results for Selected Volatile Organic Compounds							Dissolved Gases		
Well ID	Date Sampled	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Chloroethane (µg/L)	Ethane (ng/L)	Ethene (ng/L)	Methane (µg/L)
	05/08/97	< 0.50	13	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	08/06/97	< 0.50	21	<0.50	<0.50	1.1	<0.50	<0.50	NA	NA	NA
	11/19/97	< 0.50	6.8	<0.50	<0.50	0.52	<0.50	<0.50	NA	NA	NA
	02/12/98	< 0.50	8.9	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	05/20/98	< 0.50	5.9	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	08/27/98	< 0.50	2.3	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	11/12/98	< 0.50	1.9	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	02/15/99	< 0.50	3.2	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	11/29/99	< 0.50	4.4	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	06/17/03	20.0	20.0	< 1.0	< 1.0	1.8	< 1.0	< 1.0	NA	NA	NA
	01/14/04	20	22	< 1.0	< 1.0	1.9	< 1.0	< 1.0	NA	NA	NA
MW-102M	02/18/98	< 0.50	11	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	05/20/98	< 0.50	15	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	08/25/98	< 0.50	13	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	11/10/98	< 0.50	13	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	02/11/99	< 0.50	8.7	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	11/19/99	< 0.50	8.2	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	06/13/03	< 1.0	1.4	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA
	01/15/04	< 1.0	1.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA
MW-105M	02/18/98	< 1.0	52	<1.0	<1.0	< 1.0	<1.0	<1.0	NA	NA	NA
	05/26/98	< 1.25	41	<1.25	<1.25	< 1.25	<1.25	<1.25	NA	NA	NA
	08/25/98	< 0.50	32	<0.50	<0.50	0.73	<0.50	<0.50	NA	NA	NA
	11/06/98	< 0.50	36	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	02/09/99	0.56	37	<0.50	<0.50	0.83	<0.50	<0.50	NA	NA	NA
	11/29/99	0.66	40	<0.50	<0.50	< 0.50	<0.50	<0.50	NA	NA	NA
	06/04/01	2	52	<0.2	<0.2	<1.0	<0.2	<0.2	NA	NA	NA

TABLE 5-9
Groundwater Quality Analytical Results for Volatile Organic Compounds

		Analytical Results for Selected Volatile Organic Compounds							Dissolved Gases		
Well ID	Date Sampled	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Chloroethane (µg/L)	Ethane (ng/L)	Ethene (ng/L)	Methane (µg/L)
	06/12/03	7.5	41	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	13	24	1.1
	01/15/04	8.9	36	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	6.9	27	1.2
MW-106M	02/18/98	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA	NA	NA
	05/26/98	2.80	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA	NA	NA
	08/27/98	2.60	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA	NA	NA
	11/10/98	3.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA	NA	NA
	02/17/99	2.60	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA	NA	NA
	11/19/99	4.10	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA	NA	NA
	06/13/03	3.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA
	01/14/04	3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA
MW-107M	04/05/01	< 1.0	56	1.3	<1.0	<1.0	<1.0	<1.0	NA	NA	NA
	05/07/01	< 1.0	51	1.1	<1.0	<1.0	<1.0	<1.0	NA	NA	NA
	06/04/01	1.0	51	< 1.0	<1.0	<1.0	<1.0	<0.2	NA	NA	NA
	06/13/03	< 1.0	51	1.6	< 1.0	< 1.0	< 1.0	< 1.0	29	22	0.72
	09/19/03	< 1.0	41	1.2	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	12	0.28
	01/14/04	< 1.0	54	1.5	< 1.0	< 1.0	< 1.0	< 1.0	840	8.0	29
MW-108M	04/03/02	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	NA	NA	NA
	06/16/03	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	0.92
	09/22/03	< 1.0	1.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	0.31
	01/19/04	< 1.0	1.6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	7.0	42	0.80
MW-109M	05/13/03	< 1.0	1.8	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA
	06/16/03	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	14	79	1.0
	09/22/03	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	10	0.97
	01/13/04	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	15

TABLE 5-9
Groundwater Quality Analytical Results for Volatile Organic Compounds

		Analytical Results for Selected Volatile Organic Compounds							Dissolved Gases		
Well ID	Date Sampled	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Chloroethane (µg/L)	Ethane (ng/L)	Ethene (ng/L)	Methane (µg/L)
MW-110M	05/13/03	< 1.0	1.9	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA
	06/17/03	< 1.0	1.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	15	56	0.11
	09/22/03	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<5.0	20	0.51
	01/13/04	< 1.0	1.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	15	21	6.4

* Notes:
EPA = U.S. Environmental Protection Agency
PCE = Tetrachloroethylene
TCE = Trichloroethylene
cis-1,2-DCE = cis-1,2-Dichloroethylene
trans-1,2-DCE = trans-1,2-Dichloroethylene
1,1-DCE = 1,1-Dichloroethylene
µg/L = micrograms per liter
mg/L = milligrams per liter
<1.0 = Analyte not detected above the listed detection limit.
Laboratory reported results as Ethylene. Ethylene is identical to Ethene.
NA = Not analyzed

TABLE 5-10
Groundwater Sample Analytical Results for Inorganic Compounds and Field Parameters

		Field Parameters			Inorganic Parameters									Metals	
Well ID	Date Sampled	Conductivity (µS/cm)	Turbidity (NTU)	Temperature	Calcium (mg/L)	Copper (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Potassium (mg/L)	Phosphorus (mg/L)	Total Iron (mg/L)	Zinc (mg/L)	TDS	Total Chromium (mg/L)	Chromium VI (mg/L)
ARCO MW-2	6/18/2003	2240	7.2	25.73 *	81	NA	55	410	8.6	< 0.20	0.42	NA	1,400	< 0.010	NA
	9/19/2003	2370	> 200	24.27 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/16/2004	2330	85	24.15 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-100S	6/18/2003	958	> 200	23.14 *	52	NA	27	190	7.5	< 0.20	21	NA	630	0.043	< 0.010
	9/19/2003	1027	> 200	23.20 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/16/2004	1031	140	21.64 *	19	NA	14	200	NA	< 0.10	1	NA	780	NA	NA
MW-102S	6/17/2003	868	> 200	38.62 *	200	NA	60	200	17	7.1	62	NA	510	NA	NA
MW-104S	6/17/2003	1088	> 200	25.46	69	NA	41	210	12	1.2	39	NA	660	NA	NA
	9/19/2003	1113	> 200	24.15 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-201S	6/18/2003	1680	104.0	25.25	44	NA	32	330	6.4	0.21	6.3	NA	1,100	NA	NA
	9/18/2003	1860	> 200	24.90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/16/2004	1470	> 200	22.01	38	NA	29	280	NA	< 0.10	12.0	NA	930	NA	NA
MW-102M	6/13/2003	1350	3.5	25.65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/15/2004	1270	11.0	25.46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-2M	6/13/2003	1440	2.4	23.15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/16/2004	1370	3.5	22.77	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3M	6/16/2003	1510	7.7	24.70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/12/2004	1570	2.6	24.27	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-4M	6/16/2003	1550	90.0	22.96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/15/2004	1500	11.0	22.85	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-6M	6/13/2003	1680	3.0	24.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/14/2004	1520	2.9	24.45	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-7M	6/17/2003	1418	4.7	22.78	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/14/2004	1470	-	22.45	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-105M	6/12/2003	1351	1.1	24.82	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/15/2004	1310	2.0	24.51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-106M	6/13/2003	1530	0.8	25.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/14/2004	1530	5.4	25.11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-107M	6/13/2003	1470	0.9	25.93	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/19/2003	1393	0.8	25.97	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/14/2004	1460	0.3	25.81	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-108M	6/16/2003	1530	1.4	24.93	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/22/2003	1420	0.4	24.82	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/19/2004	1390	2.3	24.38	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-109M	6/16/2003	1770	6.6	25.82	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/22/2003	1670	0.9	25.74	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/13/2004	1830	4.5	25.72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-110M	6/17/2003	1008	23.9	23.36	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/22/2003	960	9.5	23.35	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/13/2004	1030	23.9	23.57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

* Notes: mg/L = milligrams per liter
µS/cm = micro Siemens per centimeter
NTU = Nephelometric turbidity units
TDS = total dissolved solids
NA = not Analyzed
* = temperature was recorded from bailer and was not representative.

Table 5-11
Analytical Results for SRP Wells
(sampled 02/04/1999)

Analyte	Lab Sample Prep Note	RESULTS Well 9.5E-7.7N	Well 8.5E-7.5N	Unit of Measurement	Lab Reporting Limit	Lab Test Method
ALUMINUM	FILTER	BRL	BRL	UG/L	50	200.7
ALKALINITY AS CACO3		197	169	MG/L	1	310.1
ARSENIC	FILTER	BRL	BRL	UG/L	5	200.9
BORON	FILTER	0.298	0.176	MG/L	0.02	200.7
BARIUM	FILTER	103	81	UG/L	10	200.7
BROMIDE		0.36	0.15	MG/L	0.1	300
CALCIUM	FILTER	57.3	58.1	MG/L	0.5	200.7
CADMIUM	FILTER	BRL	BRL	UG/L	10	200.7
CHLORIDE		250	176	MG/L	2.5	300
CARBONATE		BRL	BRL	MG/L	1	310.1
CHROMIUM	FILTER	BRL	BRL	UG/L	10	200.7
COPPER	FILTER	BRL	BRL	UG/L	10	200.7
DISCHARGE RATE		2000	1800	GPM		
CONDUCTIVITY		1320	1030	UMHOS/CM	100	120.1
FLUORIDE		0.52	0.42	MG/L	0.1	300
IRON	FILTER	BRL	20	UG/L	10	200.7
HARDNESS AS CACO3	FILTER	295	250	MG/L		200.7
BICARBONATE		240	206	MG/L	1	310.1
MERCURY	FILTER	BRL	BRL	UG/L	0.2	245.1
POTASSIUM	FILTER	2.8	BRL	MG/L	2	200.7
MAGNESIUM	FILTER	36.8	25.4	MG/L	0.2	200.7
MANGANESE	FILTER	BRL	BRL	UG/L	10	200.7
SODIUM	FILTER	150	119	MG/L	1	200.7
NICKEL	FILTER	BRL	BRL	UG/L	10	200.7
NITRATE AS NO3		32	3.45	MG/L	0.2	300
NITRITE AS NO2		BRL	BRL	MG/L	0.2	300
NITRATE AS NITROGEN		7.23	0.78	MG/L	0.2	CALC
LEAD	FILTER	BRL	BRL	UG/L	5	200.9
PH		7.8	7.9	UNITS	1	150.1
ORTHOPHOSPHATE		BRL	BRL	MG/L	0.05	300
ANTIMONY	FILTER	BRL	BRL	UG/L	5	200.9
SELENIUM	FILTER	BRL	BRL	UG/L	5	200.9
SILICA	FILTER	21.7	23.2	MG/L	0.1	200.7
SULFATE		91	70.4	MG/L	2.5	300
TOTAL DISSOLVED SOLIDS		738	554	MG/L		CALC
WATER TEMPERATURE		23.1	21.6	DEGREES C		170.1
THALLIUM	FILTER	BRL	BRL	UG/L	1	200.9
ZINC	FILTER	BRL	BRL	UG/L	10	200.7
BROMODICHLOROMETHANE		BRL	BRL	UG/L	0.5	601
BENZENE		BRL	BRL	UG/L	0.5	602
BROMOMETHANE		BRL	BRL	UG/L	2	601
BROMOFORM		BRL	BRL	UG/L	0.5	601
CARBON TETRACHLORIDE		BRL	BRL	UG/L	0.5	601
CHLOROBENZENE		BRL	BRL	UG/L	0.5	602
CHLOROETHANE		BRL	BRL	UG/L	2	601
CHLOROFORM		BRL	BRL	UG/L	0.5	601
C-1,2-DICHLOROETHENE		BRL	BRL	UG/L	0.5	602
CHLOROMETHANE		BRL	BRL	UG/L	2	601
C-1,3-DICHLOROPROPENE		BRL	BRL	UG/L	0.5	601
DIBROMOCHLOROMETHANE		BRL	BRL	UG/L	0.5	601
DIBROMOCHLOROPROPANE		BRL	BRL	UG/L	0.01	504
DICHLORODIFLUOROMETHANE		BRL	BRL	UG/L	2	601
ETHYLBENZENE		BRL	BRL	UG/L	0.5	602
ETHYLENE DIBROMIDE		BRL	BRL	UG/L	0.01	504
METHYLENE CHLORIDE		BRL	BRL	UG/L	1	601
M,P-XYLENES		BRL	BRL	UG/L	0.5	602
METHYL TERT-BUTYL ETHER		BRL	BRL	UG/L	5	602
NITRATE AS NO3		32	3.45	MG/L	0.2	300
NITRATE AS NITROGEN		7.23	0.78	MG/L	0.2	CALC
O-XYLENE		BRL	BRL	UG/L	0.5	602
TRICHLOROETHENE		2.2	BRL	UG/L	0.5	601
TRICHLOROFLUOROMETHANE		BRL	BRL	UG/L	2	601
TETRACHLOROETHENE		3.3	BRL	UG/L	0.5	601
TOLUENE		BRL	BRL	UG/L	0.5	602
TRANS-1,2-DICHLOROETHENE		BRL	BRL	UG/L	0.5	601
TRANS-1,3-DICHLOROPROPENE		BRL	BRL	UG/L	0.5	601
VINYL CHLORIDE		BRL	BRL	UG/L	2	601
1,1-DICHLOROETHANE		BRL	BRL	UG/L	0.5	601
1,1-DICHLOROETHENE		BRL	BRL	UG/L	0.5	601
1,1,1-TRICHLOROETHANE		BRL	BRL	UG/L	0.5	601
1,1,2-TRICHLOROETHANE		BRL	BRL	UG/L	0.5	601
1,1,2,2-TETRACHLOROETHANE		BRL	BRL	UG/L	0.5	601
1,2-DICHLOROETHANE		BRL	BRL	UG/L	0.5	601
1,2-DICHLOROBENZENE		BRL	BRL	UG/L	0.5	602
1,2-DICHLOROPROPANE		BRL	BRL	UG/L	0.5	601
1,3-DICHLOROBENZENE		BRL	BRL	UG/L	0.5	602
1,4-DICHLOROBENZENE		BRL	BRL	UG/L	0.5	602

BRL = less than lab reporting limit

Table 5-12
Biodegradation Evaluation Criteria

Score	Interpretation
0 to 5	Inadequate evidence for anaerobic biodegradation* of chlorinated compounds
6 to 14	Limited evidence for anaerobic biodegradation* of chlorinated compounds
15 to 20	Adequate evidence for anaerobic biodegradation* of chlorinated compounds
>20	Strong evidence for anaerobic biodegradation* of chlorinated compounds

* Reductive Dechlorination

TABLE 6-1
SVE Operation Data Including
Estimated Mass Removal of VOCs

Operation Period	SVE Operation Hours	SVE Operation Days	Ave SVE Flow Rate[1] (scfm)	Ave Total VOC Concen[2] (mg/m^3)	Treated Discharge VOC Concen (mg/m^3)	VOC Mass Removal Rate (lbs/day)	VOC Mass Discharge Rate (lbs/day)	Mass VOCs Removed/Treated[3] (lbs)
1999								
08/04-08/12	9.00	0.38	48	325	0	1.40	0.00	0.53
08/12-08/30	54.30	2.26	119	325	0	3.48	---	7.88
08/30-09/20	57.92	2.41	136	325	0	3.98	---	9.60
09/20-10/21	311.13	12.96	136	325	0	3.98	0.00	51.57
10/21-12/21	963.78	40.16	152	167	0	2.28	0.00	91.74
2000								
12/21-02/09	876.99	36.54	152	167	0	2.28	0.00	83.48
02/09-02/21	287.15	11.96	115	167	0	1.73	0.00	20.68
02/21-02/28	170.54	7.11	122	80	0	0.88	0.00	6.24
02/28-04/18	1100.47	45.85	132	80	0	0.95	0.00	43.58
04/18-05/23	793.54	33.06	132	50	0	0.59	0.00	19.64
05/23-06/23	718.44	29.94	94	40	0	0.34	0.00	10.13
06/23-07/10	397.60	16.57	94	40	0	0.34	0.00	5.61
07/10-10/11	859.03	35.79	98	36	0	0.32	0.00	11.36
10/11-12/14	1100.93	45.87	122	36	0	0.40	0.00	18.13
12/14-12/31	422.00	17.58	122	24	0	0.26	0.00	4.63
2001								
01/01-01/25	588.00	24.50	135	24	0	0.29	0.00	7.14
01/25-02/14	482.87	20.12	136	24	0	0.29	0.00	5.91
02/14-05/17	673.64	28.07	131	22	0	0.26	0.00	7.28
05/17-08/23	529.29	22.05	126	22	0	0.25	0.00	5.50
08/23-10/17	1023.37	42.64	142	16	0	0.20	0.00	8.72
10/17-12/31	1149.89	47.91	163	11	0	0.16	0.00	7.73
2002								
01/01-02/07	530.33	22.10	165	11.0	0	0.16	0.00	3.61
02/07-05/03	1923.45	80.14	167	8.5	0	0.13	0.00	10.24
05/03-09/12	1737.93	72.41	142	6.9	0	0.09	0.00	6.39
09/12-10/21	771.98	32.17	145	5.3	0	0.07	0.00	2.22
TOTALS	**17,533.57**	**730.57**						**449.55**

SVE = soil vapor extraction
VOCs = volatile organic compounds
scfm = standard cubic feet per minute, using 70 ^{o}F and 14.7 psi absolute for standard air.
mg/m^3 = milligrams per cubic meter (total detected contaminant mass per unit volume)
1 = The SVE rate was determined by converting a direct field measurement of air velocity measured from the system plumbing (3-in. ID). Temperature and pressure readings were also collected to allow conversion from actual to standard cubic feet per minute, based on standard air (70 ^{o}F and 14.7 psi absolute).
2 = Average concentrations of untreated extraction vapor based on available analytical data.
3 = Represents total estimated mass of VOCs extracted from soil and treated to remove VOCs prior to discharge into the atmosphere.