

## TABLES

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**TABLE 1-1  
SUMMARY OF WELL CONSTRUCTION DETAILS FOR JPL GROUNDWATER MONITORING WELLS**

Well Number	Well Type	Year Installed	Drilling Method	Depth to Bottom of Casing (feet)	Depth of Screened Interval (feet)	Elevation Top 4 inch Casing (feet above mean sea level)	Elevation of Screened Interval (feet above mean sea level)	Multi-Port Well Screen Number	Sand Pack (feet)	Screen Slot Size (inch)	Casing Material
MW-1	Shallow Standpipe	1989	Mud Rotary	120	70-110	1116.7	1006.70-1046.70	-	99		4" PVC
MW-2	Shallow Standpipe	1989	Mud Rotary	177	127-167	1168.85	1001.85-1041.85	-			
MW-3	Deep Multi-Port	1990	Mud Rotary	700	170-180	1099.82	919.82-929.82	1	37	0.01	4" low-carbon steel
					250-260			2	47	0.01	4" low-carbon steel
					344-354			3	45	0.01	4" low-carbon steel
					555-565			4	39	0.01	4" low-carbon steel
					650-660			5	64	0.01	4" low-carbon steel
MW-4	Deep Multi-Port	1990	Mud Rotary	559	147-157	1082.72	925.72-935.72	1	48	0.01	4" low-carbon steel
					237-247			2	34	0.01	4" low-carbon steel
					318-328			3	42	0.01	4" low-carbon steel
					389-399			4	54	0.01	4" low-carbon steel
					509-519			5	52	0.01	4" low-carbon steel
MW-5	Shallow Standpipe	1990	Air Percussion	140	85-135	1071.6	936.60-986.60	-	71	0.01	4" low-carbon steel
MW-6	Shallow Standpipe	1990	Air Percussion	245	195-245	1188.52	943.52-993.52	-	62	0.01	4" low-carbon steel
MW-7	Shallow Standpipe	1990	Air Percussion	275	225-275	1212.88	937.88-987.88	-	63	0.01	4" low-carbon steel
MW-8	Shallow Standpipe	1992	Air Percussion	205	155-205	1139.53	934.53-984.53	-	75	0.01	4" low-carbon steel
MW-9	Shallow Standpipe	1992	Air Percussion	68	18-68	1106.02	1038.02-1088.02	-	56	0.01	4" PVC
MW-10	Shallow Standpipe	1992	Air Percussion	155	105-155	1087.71	932.71-982.71	-	67.5	0.01	4" PVC (0-85')
											4" stainless steel (85'-105')
MW-11	Deep Multi-Port	1992	Mud Rotary	680	140-150	1139.35	989.35-999.35	1	24	0.01	4" low-carbon steel
					250-260			2	22	0.01	4" low-carbon steel
					420-430			3	26	0.01	4" low-carbon steel
					515-525			4	26	0.01	4" low-carbon steel
					630-640			5	28	0.01	4" low-carbon steel
MW-12	Deep Multi-Port	1994	Mud Rotary	596	135-145	1102.14	957.14-967.14	1	22	0.01	4" low-carbon steel
					240-250			2	19	0.01	4" low-carbon steel
					315-325			3	21	0.01	4" low-carbon steel
					430-440			4	22	0.01	4" low-carbon steel
					546-556			5	21	0.01	4" low-carbon steel
MW-13	Shallow Standpipe	1994	Air Rotary	235	180-230	1183.47	953.47-1003.47	-	65	0.01	4" PVC

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MW-14	Deep Multi-Port	1994	Mud Rotary	588	205-215	1173.42	958.42-968.42	1	22	0.01	4" low-carbon steel
					275-285		888.42-898.42	2	26	0.01	4" low-carbon steel
					380-390		783.42-793.42	3	22	0.01	4" low-carbon steel
					453-463		710.42-720.42	4	27	0.01	4" low-carbon steel
					538-548		625.42-635.42	5	21	0.01	4" low-carbon steel
MW-15	Shallow Standpipe	1994	Air Percussion	74	19-69	1120.66	1051.66-1101.66	-	60	0.01	4" stainless steel
MW-16	Shallow Standpipe	1994	Air Percussion	285	230-280	1236.27	956.27-1006.27	-	62	0.01	4.5" PVC
MW-17	Deep Multi-Port	1995	Mud Rotary	774	246-256	1190.99	934.99-944.99	1	24	0.01	4" low-carbon steel
					366-376		814.99-824.99	2	24	0.01	4" low-carbon steel
					466-476		714.99-724.99	3	27	0.01	4" low-carbon steel
					578-588		602.99-612.99	4	25	0.01	4" low-carbon steel
					723-733		457.99-467.99	5	22	0.01	4" low-carbon steel
MW-18	Deep Multi-Port	1995	Mud Rotary	732	266-276	1225.34	949.34-959.34	1	22	0.01	4" low-carbon steel
					326-336		889.34-899.34	2	24	0.01	4" low-carbon steel
					421-431		794.34-804.34	3	20	0.01	4" low-carbon steel
					561-571		654.34-664.34	4	22	0.01	4" low-carbon steel
					681-691		534.34-544.34	5	23	0.01	4" low-carbon steel
MW-19	Deep Multi-Port	1995	Mud Rotary	543	240-250	1143.2	893.20-903.20	1	20	0.01	4" low-carbon steel
					310-320		823.20-833.20	2	20	0.01	4" low-carbon steel
					390-400		743.20-753.20	3	17	0.01	4" low-carbon steel
					442-452		691.20-701.20	4	20	0.01	4" low-carbon steel
					492-502		641.20-651.20	5	22	0.01	4" low-carbon steel
MW-20	Deep Multi-Port	1995	Mud Rotary	948	228-238	1164.89	926.89-936.89	1	24	0.01	4" low-carbon steel
					388-398		766.89-776.89	2	23	0.01	4" low-carbon steel
					558-568		596.89-606.89	3	19	0.01	4" low-carbon steel
					698-708		456.89-466.89	4	23	0.01	4" low-carbon steel
					898-908		256.89-266.89	5	27	0.01	4" low-carbon steel
MW-21	Deep Multi-Port	1995	Mud Rotary	416	86-96	1058.99	962.99-972.99	1	26	0.01	4" low-carbon steel
					156-166		892.99-902.99	2	25	0.01	4" low-carbon steel
					236-246		812.99-822.99	3	21	0.01	4" low-carbon steel
					306-316		742.99-752.99	4	22	0.01	4" low-carbon steel
					366-376		682.99-692.99	5	22	0.01	4" low-carbon steel

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**SUMMARY OF WELL CONSTRUCTION DETAILS FOR JPL GROUNDWATER MONITORING WELLS**

Well Number	Well Type	Year Installed	Drilling Method	Depth to Bottom of Casing (feet)	Depth of Screened Interval (feet)	Elevation Top 4 inch Casing (feet above mean sea level)	Elevation of Screened Interval (feet above mean sea level)	Multi-Port Well Screen Number	Sand Pack (feet)	Screen Slot Size (inch)	Casing Material
MW-22	Deep Multi-Port	1997	Mud Rotary	634	239-249	1176.81	927.81-937.81	1	24	0.01	4" low-carbon steel
					324-334		842.81-852.81	2	21	0.01	4" low-carbon steel
					384-394		782.81-792.81	3	22	0.01	4" low-carbon steel
					464-474		702.81-712.81	4	23	0.01	4" low-carbon steel
					584-594		582.81-592.81	5	22	0.01	4" low-carbon steel
MW-23	Deep Multi-Port	1997	Mud Rotary	590	170-180	1108.34	928.34-938.34	1	23	0.01	4" low-carbon steel
					250-260		843.34-858.34	2	20.5	0.01	4" low-carbon steel
					315-325		783.34-793.34	3	18	0.01	4" low-carbon steel
					440-450		658.34-668.34	4	25	0.01	4" low-carbon steel
					540-550		558.34-568.34	5	22.5	0.01	4" low-carbon steel
MW-24	Deep Multi-Port	1997	Mud Rotary	725	275-285	1200.91	915.91-925.91	1	25	0.01	4" low-carbon steel
					370-380		820.91-830.91	2	50	0.01	4" low-carbon steel
					430-440		760.91-770.91	3	25	0.01	4" low-carbon steel
					550-560		640.91-650.91	4	19	0.01	4" low-carbon steel
					675-685		515.91-525.91	5	16	0.01	4" low-carbon steel





**TABLE 3-2  
LOCATION OF JPL WELLS AND WELL SCREENS IN AQUIFER LAYERS**

Well Number	AQUIFER LAYERS			
	Layer 1	Layer 2	Layer 3	Layer 4
<b>MW-1</b>	x			
<b>MW-3</b>				
Screen 1	x			
Screen 2		x		
Screen 3		x		
Screen 4			x	
Screen 5			x	
<b>MW-4</b>				
Screen 1	x			
Screen 2		x		
Screen 3		x		
Screen 4		x		
Screen 5			x	
<b>MW-5</b>	x			
<b>MW-6</b>	x			
<b>MW-7</b>	x			
<b>MW-8</b>	x			
<b>MW-9</b>	x			
<b>MW-10</b>	x			
<b>MW-11</b>				
Screen 1	x			
Screen 2		x		
Screen 3		x		
Screen 4		x		
Screen 5			x	
<b>MW-12</b>				
Screen 1	x			
Screen 2		x		
Screen 3		x		
Screen 4		x		
Screen 5			x	
<b>MW-13</b>	x			
<b>MW-14</b>				
Screen 1	x			
Screen 2		x		
Screen 3		x		
Screen 4			x	
Screen 5			x	
<b>MW-15</b>	x			
<b>MW-16</b>	x			
<b>MW-17</b>				
Screen 1	x			
Screen 2		x		
Screen 3		x		
Screen 4			x	
Screen 5			x	

**TABLE 3-2**  
**LOCATION OF JPL WELLS AND WELL SCREENS IN AQUIFER LAYERS**

Well Number	AQUIFER LAYERS			
	Layer 1	Layer 2	Layer 3	Layer 4
<b>MW-18</b>				
Screen 1	x			
Screen 2	x			
Screen 3		x		
Screen 4			x	
Screen 5			x	
<b>MW-19</b>				
Screen 1	x			
Screen 2		x		
Screen 3		x		
Screen 4			x	
Screen 5			x	
<b>MW-20</b>				
Screen 1	x			
Screen 2		x		
Screen 3			x	
Screen 4			x	
Screen 5				x
<b>MW-21</b>				
Screen 1	x			
Screen 2		x		
Screen 3		x		
Screen 4			x	
Screen 5			x	
<b>MW-22</b>				
Screen 1	x			
Screen 2		x		
Screen 3		x		
Screen 4			x	
Screen 5			x	
<b>MW-23</b>				
Screen 1	x			
Screen 2		x		
Screen 3		x		
Screen 4			x	
Screen 5			x	
<b>MW-24</b>				
Screen 1	x			
Screen 2		x		
Screen 3		x		
Screen 4			x	
Screen 5			x	



**TABLE 3-3**  
**SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND PERCHLORATE DETECTED IN**  
**GROUNDWATER SAMPLES COLLECTED FROM JPL MONITORING WELLS**  
**JULY - AUGUST 2004**

(All concentrations reported in micrograms per liter)  
 Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sample Number	Carbon Tetra-chloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds (including 1,4-Dioxane)
MW-3 Screen 2	MW-3-2	0.8	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	12.5	
MW-3 Screen 3	MW-3-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Ethylbenzene 0.6 Methyl-tert-butyl Ether 0.4J Toluene 0.3J
MW-3 Screen 3	DUPE-4-3Q04	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Ethylbenzene 0.7 Methyl-tert-butyl Ether 0.3J Toluene 0.4J
MW-3 Screen 4	MW-3-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-4 Screen 1	MW-4-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	m,p-Xylene 0.7 Toluene 0.6
MW-4 Screen 2	MW-4-2	0.5 U	1.0	1.1	0.5	0.5 U	0.5 U	0.5 U	0.5 U	4.5	
MW-4 Screen 3	MW-4-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Ethylbenzene 3.7 Styrene 0.5 Toluene 0.6
MW-5	MW-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-5	DUPE-5-3Q04	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-6	MW-6	0.5 U	0.5 U	1.1	0.6	0.5 U	0.5 U	0.5 U	0.5 U	3.2 J	Trichlorofluoromethane 0.4J
MW-7	MW-7	58.0	6.3	15.0	0.5 U	0.5 U	5.5	5.0	16.2	3760	
MW-8	MW-8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	9.4	
MW-10	MW-10	0.5 U	14.6	1.5	0.9	0.5 U	0.5 U	0.5 U	1.3	25.3	
MW-10	DUPE-6-3Q04	0.5 U	16.6	1.8	1.0	0.5 U	0.5 U	0.5 U	1.4	25.5	
MW-11 Screen 1	MW-11-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-11 Screen 2	MW-11-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-11 Screen 3	MW-11-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Methyl-tert-butyl Ether 0.4J Styrene 0.3J
MW-11 Screen 4	MW-11-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-11 Screen 4	DUPE-3-3Q04	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-12 Screen 1	MW-12-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-12 Screen 2	MW-12-2	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-12 Screen 3	MW-12-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.4	4.0 U	
MW-12 Screen 4	MW-12-4	3.0	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.8	3.2 J	
MW-12 Screen 5	MW-12-5	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.8 J	
MW-13	MW-13	2.0	15.4	0.9	0.5 U	0.5 U	0.5 U	0.5 U	3.5	296	

**TABLE 3-3**  
**SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND PERCHLORATE DETECTED IN**  
**GROUNDWATER SAMPLES COLLECTED FROM JPL MONITORING WELLS**  
**JULY - AUGUST 2004**

(All concentrations reported in micrograms per liter)  
 Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sample Number	Carbon Tetra-chloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds (including 1,4-Dioxane)
MW-14 Screen 1	MW-14-1	0.5 U	0.5 U	0.5 U	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-14 Screen 2	MW-14-2	0.5 U	4.6	0.5 J	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	9.3	
MW-14 Screen 3	MW-14-3	0.5 U	1.0	0.5	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	7.3	
MW-14 Screen 4	MW-14-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	8.7	
MW-14 Screen 5	MW-14-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-14 Screen 5	DUPE-1-3Q04	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-16	MW-16	4.0	1.0	0.5	0.5 U	0.5 U	1.3	0.5 U	5.1	833	
MW-17 Screen 2	MW-17-2	1.0	3.4	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.8	17.0	
MW-17 Screen 3	MW-17-3	9.7	3.8	0.5	0.5 U	0.5 U	0.5 U	0.5 U	2.7	109	
MW-17 Screen 4	MW-17-4	0.5 U	0.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-18 Screen 2	MW-18-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-18 Screen 3	MW-18-3	0.7	0.7	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	1.2	6.4	
MW-18 Screen 4	MW-18-4	4.0	1.2	1.2	0.5 U	0.5 U	0.5 U	0.5 U	0.9	13.9	
MW-18 Screen 5	MW-18-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-19 Screen 1	MW-19-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-19 Screen 1	DUPE-2-3Q04	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-19 Screen 2	MW-19-2	0.5 U	0.5	1.4	0.4 J	0.5 U	0.5 U	0.5 U	0.9	7.1	Bromodichloromethane 0.4J Chlorodibromomethane 0.4J cis-1,2-Dichloroethene 0.3J
MW-19 Screen 3	MW-19-3	0.5 U	0.5 U	1.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	9.7	
MW-19 Screen 4	MW-19-4	0.5 U	0.4 J	2.3	0.5 U	0.5 U	0.5 U	0.5 U	0.7	4.0 U	m,p-Xylene 0.7 Toluene 0.6
MW-19 Screen 5	MW-19-5	0.5 U	0.4 J	4.2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-20 Screen 1	MW-20-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-20 Screen 2	MW-20-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.7	4.0 U	
MW-20 Screen 3	MW-20-3	0.5 U	0.5 U	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-20 Screen 4	MW-20-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-20 Screen 5	MW-20-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Styrene 0.4J
MW-21 Screen 1	MW-21-1	0.5 U	4.2	0.5	0.6	0.5 U	0.5 U	0.5 U	0.8	5.1	
MW-21 Screen 2	MW-21-2	0.5 U	1.0	2.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	cis-1,2-Dichloroethene 0.5
MW-21 Screen 3	MW-21-3	0.5 U	1.4	2.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5	4.0 U	cis-1,2-Dichloroethene 0.6
MW-21 Screen 4	MW-21-4	0.5 U	0.3 J	4.5	0.5 U	0.5 U	0.5 U	0.5 U	2.9	4.0 U	cis-1,2-Dichloroethene 1.2
MW-21 Screen 5	MW-21-5	0.5 U	0.5	8.5	0.5 U	0.5 U	0.5 U	0.5 U	3.7	4.0 U	cis-1,2-Dichloroethene 1.7
MW-22 Screen 1	MW-22-1	0.5 U	0.3 J	0.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.6 J	Methylene Chloride 0.7
MW-22 Screen 2	MW-22-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.8 J	Methylene Chloride 0.8

**TABLE 3-3**  
**SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND PERCHLORATE DETECTED IN**  
**GROUNDWATER SAMPLES COLLECTED FROM JPL MONITORING WELLS**  
**JULY - AUGUST 2004**

(All concentrations reported in micrograms per liter)  
 Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sample Number	Carbon Tetra-chloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds (including 1,4-Dioxane)
MW-22 Screen 3	MW-22-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Methylene Chloride 0.7
MW-23 Screen 1	MW-23-1	0.5 U	<b>0.8</b>	<b>0.8</b>	<b>0.3 J</b>	0.5 U	0.5 U	0.5 U	0.5 U	<b>4.4</b>	
MW-23 Screen 2	MW-23-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	<b>4.9</b>	
MW-23 Screen 3	MW-23-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-24 Screen 1	MW-24-1	<b>16.7</b>	<b>2.4</b>	<b>1.7</b>	0.5 U	0.5 U	0.5 U	0.5 U	<b>5.9</b>	<b>2170</b>	
MW-24 Screen 2	MW-24-2	<b>4.1</b>	<b>0.7</b>	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	<b>1.7</b>	<b>99.7</b>	
MW-24 Screen 3	MW-24-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
California Maximum Contaminant Level (MCL)		0.5	5.0	5.0	5.0	0.5	6.0	1200.0	100.0	6.0*	
EPA Region IX Maximum Contaminant Level		5.0	5.0	5.0	NE	5.0	7.0	NE	100.0	NE	

**Notes**

- DUPE Field Duplicate
- J Indicates an estimated value.
- NE Not established
- U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.
- \* Interim Action Level - California Department of Health Services

**TABLE 3-4**  
**SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND PERCHLORATE DETECTED**  
**DURING THE LONG-TERM QUARTERLY GROUDWATER SAMPLING PROGRAM**  
**BEGINNING JANUARY 2003**

(All concentrations reported in micrograms per liter)  
 Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Event	Sample Number	Carbon Tetra-chloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds (including 1,4-Dioxane)
MW-1	April/May 2003	MW-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 2.0J
MW-1	Oct/Nov 2003	MW-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-1	April/May 2004	MW-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-3 Screen 1	April/May 2003	MW-3-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 4.0J
MW-3 Screen 1	Oct/Nov 2003	MW-3-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-3 Screen 1	April/May 2004	MW-3-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 UJ	
MW-3 Screen 1	April/May 2004	DUPE-1-2Q04	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 UJ	
MW-3 Screen 2	Jan/Feb 2003	MW-3-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-3 Screen 2	April/May 2003	MW-3-2	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.2	4-Methyl-2-Pentanone 3.0J
MW-3 Screen 2	April/May 2003	DUPE-5-2Q03	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5.8	4-Methyl-2-Pentanone 3.0J
MW-3 Screen 2	July/Aug 2003	MW-3-2	0.6	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	8.9 J	
MW-3 Screen 2	Oct/Nov 2003	MW-3-2	0.8	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5.6 J	
MW-3 Screen 2	Feb 2004	MW-3-2	1.0	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	10.3	
MW-3 Screen 2	Feb 2004	DUPE-1-1Q04	1.0	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 J	10.4	
MW-3 Screen 2	April/May 2004	MW-3-2	0.5	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	15.5 J	
MW-3 Screen 2	July/Aug 2004	MW-3-2	0.8	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	12.5	
MW-3 Screen 3	Jan/Feb 2003	MW-3-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.8	4.0 U	
MW-3 Screen 3	April/May 2003	MW-3-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.9	4.0 U	4-Methyl-2-Pentanone 3.0J
MW-3 Screen 3	July/Aug 2003	MW-3-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-3 Screen 3	Oct/Nov 2003	MW-3-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.6	4.0 U	
MW-3 Screen 3	Feb 2004	MW-3-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	4.0 U	
MW-3 Screen 3	April/May 2004	MW-3-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 UJ	
MW-3 Screen 3	July/Aug 2004	MW-3-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Ethylbenzene 0.6 Methyl-tert-butyl Ether 0.4J Toluene 0.3J
MW-3 Screen 3	July/Aug 2004	DUPE-4-3Q04	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Ethylbenzene 0.7 Methyl-tert-butyl Ether 0.3J Toluene 0.4J
MW-3 Screen 4	Jan/Feb 2003	MW-3-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-3 Screen 4	April/May 2003	MW-3-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 3.0J
MW-3 Screen 4	July/Aug 2003	MW-3-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-3 Screen 4	Oct/Nov 2003	MW-3-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-3 Screen 4	Feb 2004	MW-3-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-3 Screen 4	April/May 2004	MW-3-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 UJ	
MW-3 Screen 4	July/Aug 2004	MW-3-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-3 Screen 5	April/May 2003	MW-3-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 4.0J Styrene 0.4J Ethylbenzene 0.7

**TABLE 3-4**  
**SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND PERCHLORATE DETECTED**  
**DURING THE LONG-TERM QUARTERLY GROUDWATER SAMPLING PROGRAM**  
**BEGINNING JANUARY 2003**

(All concentrations reported in micrograms per liter)  
 Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Event	Sample Number	Carbon Tetra-chloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds (including 1,4-Dioxane)
MW-3 Screen 5	Oct/Nov 2003	MW-3-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	2-Butanone 5.0J Ethylbenzene 1.3 Styrene 0.8
MW-3 Screen 5	April/May 2004	MW-3-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 UJ	
MW-4 Screen 1	Jan/Feb 2003	MW-4-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-4 Screen 1	April/May 2003	MW-4-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-4 Screen 1	July/Aug 2003	MW-4-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-4 Screen 1	July/Aug 2003	DUPE-3-3-Q03	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-4 Screen 1	Oct/Nov 2003	MW-4-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-4 Screen 1	Feb 2004	MW-4-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	<b>3.8 J</b>	
MW-4 Screen 1	April/May 2004	MW-4-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-4 Screen 1	July/Aug 2004	MW-4-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	m,p-Xylene 0.7 Toluene 0.6
MW-4 Screen 2	Jan/Feb 2003	MW-4-2	0.5 U	<b>1.2</b>	<b>0.7</b>	<b>0.5 J</b>	0.5 U	0.5 U	0.5 U	<b>0.5 J</b>	4.0 U	
MW-4 Screen 2	April/May 2003	MW-4-2	0.5 U	<b>0.4 J</b>	<b>0.7</b>	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	<b>6.6</b>	
MW-4 Screen 2	July/Aug 2003	MW-4-2	0.5 U	<b>0.7</b>	<b>1.3</b>	<b>0.6</b>	0.5 U	0.5 U	0.5 U	<b>0.5 J</b>	<b>9.0</b>	
MW-4 Screen 2	Oct/Nov 2003	MW-4-2	0.5 U	<b>0.6</b>	<b>1.0</b>	<b>0.4 J</b>	0.5 U	0.5 U	0.5 U	0.5 U	<b>4.3 J</b>	
MW-4 Screen 2	Feb 2004	MW-4-2	0.5 U	<b>0.7</b>	<b>0.4 J</b>	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	<b>3.6 J</b>	
MW-4 Screen 2	April/May 2004	MW-4-2	0.5 U	<b>0.7</b>	<b>0.8</b>	<b>0.4 J</b>	0.5 U	0.5 U	0.5 U	<b>0.3 J</b>	4.0 U	
MW-4 Screen 2	April/May 2004	DUPE-3-2Q04	0.5 U	<b>1.3</b>	<b>1.5</b>	<b>0.7</b>	0.5 U	0.5 U	0.5 U	<b>0.5 J</b>	4.0 U	
MW-4 Screen 2	July/Aug 2004	MW-4-2	0.5 U	<b>1.0</b>	<b>1.1</b>	<b>0.5</b>	0.5 U	0.5 U	0.5 U	0.5 U	<b>4.5</b>	
MW-4 Screen 3	Jan/Feb 2003	MW-4-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Ethylbenzene 2.3 Toluene 0.4J
MW-4 Screen 3	April/May 2003	MW-4-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Chloromethane 1.8 Toluene 0.3J Ethylbenzene 1.9
MW-4 Screen 3	July/Aug 2003	MW-4-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Ethylbenzene 4.5 Styrene 0.5J Toluene 0.6
MW-4 Screen 3	Oct/Nov 2003	MW-4-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Ethylbenzene 3.7 Styrene 0.5J Toluene 0.5
MW-4 Screen 3	Feb 2004	MW-4-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Ethylbenzene 4.6 Styrene 0.4J Toluene 0.6
MW-4 Screen 3	April/May 2004	MW-4-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Ethylbenzene 4.1 Styrene 0.6 Toluene 0.5

**TABLE 3-4**  
**SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND PERCHLORATE DETECTED**  
**DURING THE LONG-TERM QUARTERLY GROUDWATER SAMPLING PROGRAM**  
**BEGINNING JANUARY 2003**

(All concentrations reported in micrograms per liter)  
 Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Event	Sample Number	Carbon Tetra-chloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds (including 1,4-Dioxane)
MW-4 Screen 3	July/Aug 2004	MW-4-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Ethylbenzene 3.7 Styrene 0.5 Toluene 0.6
MW-4 Screen 4	April/May 2003	MW-4-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-4 Screen 4	April/May 2003	DUPE-1-2Q03	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-4 Screen 4	Oct/Nov 2003	MW-4-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 3.0J Chloroethane 2.0 Chloromethane 0.4J
MW-4 Screen 4	April/May 2004	MW-4-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-4 Screen 5	April/May 2003	MW-4-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-4 Screen 5	Oct/Nov 2003	MW-4-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-4 Screen 5	Oct/Nov 2003	DUPE-3-4-Q03	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 2.0J
MW-4 Screen 5	April/May 2004	MW-4-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Ethylbenzene 0.3J
MW-5	Jan/Feb 2003	MW-5	1.6	14.9	0.7	0.5 U	0.5 U	0.5 U	0.5 U	1.4	25.2	
MW-5	April/May 2003	MW-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 5.0J
MW-5	July/Aug 2003	MW-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-5	Oct/Nov 2003	MW-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-5	Feb 2004	MW-5	0.4 J	3.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 J	34.2	
MW-5	April/May 2004	MW-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-5	July/Aug 2004	MW-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-5	July/Aug 2004	DUPE-5-3Q04	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-6	Jan/Feb 2003	MW-6	0.5 U	0.5 U	2.6	0.8	0.5 U	0.7	0.5 U	0.4 J	3.8 J	
MW-6	April/May 2003	MW-6	0.5 U	0.5 U	3.0	0.9	0.5 U	0.7	0.5 U	0.5 J	2.3 J	4-Methyl-2-Pentanone 4.0J
MW-6	July/Aug 2003	MW-6	0.5 U	0.5 U	2.3	0.7	0.5 U	0.5 U	0.5 U	0.3 J	2.9 J	
MW-6	Oct/Nov 2003	MW-6	0.5 U	0.5 U	3.0	0.9	0.5 U	0.8	0.5 U	0.3 J	3.6 J	
MW-6	Feb 2004	MW-6	0.5 U	0.5 U	2.6	0.8	0.5 U	0.7	0.5 U	0.5 J	4.0 U	
MW-6	April/May 2004	MW-6	0.5 U	0.5 U	2.1	0.8	0.5 U	0.5 U	0.5 U	0.4 J	4.0 U	
MW-6	July/Aug 2004	MW-6	0.5 U	0.5 U	1.1	0.6	0.5 U	0.5 U	0.5 U	0.5 U	3.2 J	Trichlorofluoromethane 0.4J
MW-7	Jan/Feb 2003	MW-7	102.0	4.4	11.8	0.5 U	0.5 U	6.1	4.2	12.9	5200.0	
MW-7	Jan/Feb 2003	DUPE-6-1Q03	122.0	4.8	13.5	0.5 U	0.5 U	6.4	4.2	12.3	6190.0	
MW-7	April/May 2003	MW-7	73.7	8.1	9.9	0.5 U	0.5 U	4.2	3.6	10.0	5560.0	4-Methyl-2-Pentanone 6.0J Methylene Chloride 2.3
MW-7	July/Aug 2003	MW-7	40.4	4.5	4.9	0.5 U	0.5 U	2.2	2.2	6.8	1920.0 J	
MW-7	Oct/Nov 2003	MW-7	42.0	5.0	7.2	0.5 U	0.5 U	3.2	2.4	9.9	2400.0 J	
MW-7	Feb 2004	MW-16	94.7	8.2	30.2	0.5 U	0.5 U	10.5	8.6	26.3	7690.0	
MW-7	April/May 2004	MW-7	62.7 J	6.8	15.6	0.5 U	0.5 U	7.6	5.8	15.9	4680.0	Bromodichloromethane 0.4J Toluene 0.8
MW-7	April/May 2004	DUPE-7-2Q04	65.1	7.1	16.3	0.5 U	0.5 U	7.9	6.0	16.3	4430.0	Bromodichloromethane 0.4J Toluene 0.8

**TABLE 3-4**  
**SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND PERCHLORATE DETECTED**  
**DURING THE LONG-TERM QUARTERLY GROUDWATER SAMPLING PROGRAM**  
**BEGINNING JANUARY 2003**

(All concentrations reported in micrograms per liter)  
 Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Event	Sample Number	Carbon Tetra-chloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds (including 1,4-Dioxane)
MW-7	July/Aug 2004	MW-7	58.0	6.3	15.0	0.5 U	0.5 U	5.5	5.0	16.2	3760.0	
MW-8	Jan/Feb 2003	MW-8	4.3	2.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.1	45.0	
MW-8	April/May 2003	MW-8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.2	4-Methyl-2-Pentanone 5.0J
MW-8	July/Aug 2003	MW-8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	9.7 J	
MW-8	Oct/Nov 2003	MW-8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	20.2 J	
MW-8	Oct/Nov 2003	DUPE-7-4-Q03	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	20.2 J	
MW-8	Feb 2004	MW-8	0.8	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 J	32.6	
MW-8	April/May 2004	MW-8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-8	July/Aug 2004	MW-8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	9.4	
MW-9	April/May 2003	MW-9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 5.0J
MW-9	Oct/Nov 2003	MW-9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.0 J	
MW-9	April/May 2004	MW-9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-10	Jan/Feb 2003	MW-10	0.5 U	2.5	1.3	0.5 J	0.5 U	0.5 U	0.5 U	0.5	3.5 J	
MW-10	April/May 2003	MW-10	0.2 J	11.2	1.3	0.8	0.5 U	0.5 U	0.5 U	1.1	17.5	4-Methyl-2-Pentanone 6.0J
MW-10	July/Aug 2003	MW-10	0.3 J	12.3	0.9	0.6	0.5 U	0.5 U	0.5 U	1.3	43.6 J	
MW-10	Oct/Nov 2003	MW-10	0.5 U	10.8	1.5	0.9	0.5 U	0.5 U	0.5 U	1.2	21.9 J	
MW-10	Feb 2004	MW-10	0.5 U	4.9	1.7	0.8	0.5 U	0.5 U	0.5 U	0.9	5.1	
MW-10	April/May 2004	MW-10	0.5 U	13.4	2.0	1.1	0.5 U	0.5 U	0.5 U	1.3	13.5	
MW-10	July/Aug 2004	MW-10	0.5 U	14.6	1.5	0.9	0.5 U	0.5 U	0.5 U	1.3	25.3	
MW-10	July/Aug 2004	DUPE-6-3Q04	0.5 U	16.6	1.8	1.0	0.5 U	0.5 U	0.5 U	1.4	25.5	
MW-11 Screen 1	Jan/Feb 2003	MW-11-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.4 J	
MW-11 Screen 1	April/May 2003	MW-11-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 6.0J
MW-11 Screen 1	July/Aug 2003	MW-11-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-11 Screen 1	Oct/Nov 2003	MW-11-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-11 Screen 1	Feb 2004	MW-11-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-11 Screen 1	April/May 2004	MW-11-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-11 Screen 1	July/Aug 2004	MW-11-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-11 Screen 2	Jan/Feb 2003	MW-11-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 J	3.6 J	
MW-11 Screen 2	April/May 2003	MW-11-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 6.0J
MW-11 Screen 2	July/Aug 2003	MW-11-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-11 Screen 2	Oct/Nov 2003	MW-11-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-11 Screen 2	Feb 2004	MW-11-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-11 Screen 2	April/May 2004	MW-11-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-11 Screen 2	July/Aug 2004	MW-11-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-11 Screen 3	Jan/Feb 2003	MW-11-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.1 J	
MW-11 Screen 3	April/May 2003	MW-11-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 6.0J
MW-11 Screen 3	July/Aug 2003	MW-11-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	

**TABLE 3-4**  
**SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND PERCHLORATE DETECTED**  
**DURING THE LONG-TERM QUARTERLY GROUDWATER SAMPLING PROGRAM**  
**BEGINNING JANUARY 2003**

(All concentrations reported in micrograms per liter)  
 Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Event	Sample Number	Carbon Tetra-chloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds (including 1,4-Dioxane)
MW-11 Screen 3	Oct/Nov 2003	MW-11-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 2.0J Chloroethane 1.4 Chloromethane 0.4J
MW-11 Screen 3	Feb 2004	MW-11-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-11 Screen 3	April/May 2004	MW-11-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-11 Screen 3	April/May 2004	DUPE-5-2Q04	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-11 Screen 3	July/Aug 2004	MW-11-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Methyl-tert-butyl Ether 0.4J Styrene 0.3J
MW-11 Screen 4	Jan/Feb 2003	MW-11-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.8	
MW-11 Screen 4	April/May 2003	MW-11-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 7.0J
MW-11 Screen 4	July/Aug 2003	MW-11-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 0.3J
MW-11 Screen 4	Oct/Nov 2003	MW-11-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-11 Screen 4	Feb 2004	MW-11-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-11 Screen 4	Feb 2004	DUPE-5-1Q04	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-11 Screen 4	April/May 2004	MW-11-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-11 Screen 4	July/Aug 2004	MW-11-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-11 Screen 4	July/Aug 2004	DUPE-3-3Q04	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-11 Screen 5	April/May 2003	MW-11-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 7.0J
MW-11 Screen 5	Oct/Nov 2003	MW-11-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-11 Screen 5	April/May 2004	MW-11-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Methylene Chloride 0.6
MW-12 Screen 1	Jan/Feb 2003	MW-12-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.9 J	1,3-Dichloropropane 0.6
MW-12 Screen 1	April/May 2003	MW-12-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 8.0J
MW-12 Screen 1	July/Aug 2003	MW-12-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-12 Screen 1	Oct/Nov 2003	MW-12-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-12 Screen 1	Oct/Nov 2003	DUPE-4-4-Q03	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-12 Screen 1	Feb 2004	MW-12-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-12 Screen 1	April/May 2004	MW-12-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-12 Screen 1	July/Aug 2004	MW-12-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-12 Screen 2	Jan/Feb 2003	MW-12-2	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.2 J	1,3-Dichloropropane 0.5
MW-12 Screen 2	Jan/Feb 2003	DUPE-4-1Q03	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.6 J	1,3-Dichloropropane 0.6
MW-12 Screen 2	April/May 2003	MW-12-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.0 J	4-Methyl-2-Pentanone 5.0J
MW-12 Screen 2	July/Aug 2003	MW-12-2	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.4 J	
MW-12 Screen 2	Oct/Nov 2003	MW-12-2	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-12 Screen 2	Feb 2004	MW-12-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-12 Screen 2	April/May 2004	MW-12-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-12 Screen 2	July/Aug 2004	MW-12-2	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-12 Screen 3	Jan/Feb 2003	MW-12-3	4.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.2	1.8 J
MW-12 Screen 3	April/May 2003	MW-12-3	2.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.1	2.8 J	
MW-12 Screen 3	April/May 2003	DUPE-6-2Q03	2.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.2	3.4 J	4-Methyl-2-Pentanone 4.0J
MW-12 Screen 3	July/Aug 2003	MW-12-3	5.1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.7	2.8 J	



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**BEGINNING JANUARY 2003**

(All concentrations reported in micrograms per liter)  
 Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Event	Sample Number	Carbon Tetra-chloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds (including 1,4-Dioxane)
MW-12 Screen 3	Oct/Nov 2003	MW-12-3	2.2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.3	4.0 U	
MW-12 Screen 3	Feb 2004	MW-12-3	3.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.4	4.0 U	
MW-12 Screen 3	April/May 2004	MW-12-3	1.1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.6	4.0 U	
MW-12 Screen 3	July/Aug 2004	MW-12-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.4	4.0 U	
MW-12 Screen 4	Jan/Feb 2003	MW-12-4	2.3	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.8	1.9 J	
MW-12 Screen 4	April/May 2003	MW-12-4	1.5	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.7	3.6 J	
MW-12 Screen 4	July/Aug 2003	MW-12-4	1.6	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.6	5.6	
MW-12 Screen 4	Oct/Nov 2003	MW-12-4	1.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.6	3.8 J	
MW-12 Screen 4	Feb 2004	MW-12-4	2.2	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.7	4.0 U	
MW-12 Screen 4	April/May 2004	MW-12-4	1.1	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.7	4.4	
MW-12 Screen 4	April/May 2004	DUPE-4-2Q04	2.2	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.8	4.5	
MW-12 Screen 4	July/Aug 2004	MW-12-4	3.0	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.8	3.2 J	
MW-12 Screen 5	Jan/Feb 2003	MW-12-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.0 J	
MW-12 Screen 5	April/May 2003	MW-12-5	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	2.2 J	4-Methyl-2-Pentanone 7.0J
MW-12 Screen 5	July/Aug 2003	MW-12-5	0.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.9 J	
MW-12 Screen 5	Oct/Nov 2003	MW-12-5	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-12 Screen 5	Feb 2004	MW-12-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-12 Screen 5	Feb 2004	DUPE-6-1Q04	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-12 Screen 5	April/May 2004	MW-12-5	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	4.0 U	
MW-12 Screen 5	July/Aug 2004	MW-12-5	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.8 J	
MW-13	Jan/Feb 2003	MW-13	0.8	1.2	1.0	0.8	0.5 U	0.5 U	0.5 U	0.7	68.1	
MW-13	April/May 2003	MW-13	1.3	9.2	1.0	0.4 J	0.5 U	0.5 U	0.5 U	1.5	147.0	4-Methyl-2-Pentanone 5.0J
MW-13	July/Aug 2003	MW-13	1.0	20.0	0.8	0.5 U	0.5 U	0.5 U	0.5 U	3.3	159.0 J	Bromodichloromethane 0.4J Chlorodibromomethane 0.8
MW-13	Oct/Nov 2003	MW-13	1.5	9.0	0.9	0.4 J	0.5 U	0.5 U	0.5 U	1.7	223.0 J	
MW-13	Feb 2004	MW-13	0.8	1.0	1.1	0.7	0.5 U	0.5 U	0.5 U	0.7	112.0	
MW-13	April/May 2004	MW-13	1.4	7.4	1.2	0.6	0.5 U	0.5 U	0.5 U	1.7	205.0	1,4-Dioxane 5.3
MW-13	July/Aug 2004	MW-13	2.0	15.4	0.9	0.5 U	0.5 U	0.5 U	0.5 U	3.5	296.0	
MW-14 Screen 1	Jan/Feb 2003	MW-14-1	0.5 U	0.5 U	0.9	0.5	0.5 U	0.5 U	0.5 U	0.4 J	1.9 J	Methylene Chloride 0.5J
MW-14 Screen 1	April/May 2003	MW-14-1	0.5 U	1.3	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	2.8 J	
MW-14 Screen 1	July/Aug 2003	MW-14-1	0.5 U	3.7	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	3.8 J	Methylene Chloride 0.5J
MW-14 Screen 1	Oct/Nov 2003	MW-14-1	0.5 U	0.5 U	0.4 J	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	6.6 J	
MW-14 Screen 1	Feb 2004	MW-14-1	0.5 U	0.5 U	0.6	0.4 J	0.5 U	0.5 U	0.5 U	0.3 J	2.3 J	
MW-14 Screen 1	Feb 2004	DUPE-3-1Q04	0.5 U	0.5 U	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-14 Screen 1	April/May 2004	MW-14-1	0.5 U	0.5 U	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	6.6 J	
MW-14 Screen 1	July/Aug 2004	MW-14-1	0.5 U	0.5 U	0.5 U	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-14 Screen 2	Jan/Feb 2003	MW-14-2	0.5 U	6.2	0.7	0.4 J	0.5 U	0.5 U	0.5 U	0.6	2.6 J	
MW-14 Screen 2	April/May 2003	MW-14-2	0.5 U	3.7	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	3.3 J	
MW-14 Screen 2	July/Aug 2003	MW-14-2	0.5 U	1.0	0.5 J	0.3 J	0.5 U	0.5 U	0.5 U	0.4 J	5.4	Methylene Chloride 0.4J
MW-14 Screen 2	Oct/Nov 2003	MW-14-2	0.5 U	4.6	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 J	4.7 J	

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**BEGINNING JANUARY 2003**

(All concentrations reported in micrograms per liter)  
 Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Event	Sample Number	Carbon Tetra-chloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds (including 1,4-Dioxane)
MW-14 Screen 2	Feb 2004	MW-14-2	0.5 U	5.9	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 J	4.0 U	
MW-14 Screen 2	April/May 2004	MW-14-2	0.5 U	4.5	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	4.7 J	
MW-14 Screen 2	July/Aug 2004	MW-14-2	0.5 U	4.6	0.5 J	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	9.3	
MW-14 Screen 3	Jan/Feb 2003	MW-14-3	0.5 U	1.1	0.5	0.3 J	0.5 U	0.5 U	0.5 U	0.5 J	2.9 J	
MW-14 Screen 3	April/May 2003	MW-14-3	0.5 U	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	5.7	
MW-14 Screen 3	April/May 2003	DUPE-2-2Q03	0.5 U	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	5.4	
MW-14 Screen 3	July/Aug 2003	MW-14-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.0 J	Methylene Chloride 0.3J
MW-14 Screen 3	July/Aug 2003	DUPE-4-3-Q03	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.3 J	Methylene Chloride 0.8
MW-14 Screen 3	Oct/Nov 2003	MW-14-3	0.5 U	0.8	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	7.2 J	
MW-14 Screen 3	Feb 2004	MW-14-3	0.5 U	0.8	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	4.0 U	
MW-14 Screen 3	April/May 2004	MW-14-3	0.5 U	0.8	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	6.6	
MW-14 Screen 3	July/Aug 2004	MW-14-3	0.5 U	1.0	0.5	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	7.3	
MW-14 Screen 4	Jan/Feb 2003	MW-14-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.8 J	
MW-14 Screen 4	Jan/Feb 2003	DUPE-3-1Q03	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.2 J	
MW-14 Screen 4	April/May 2003	MW-14-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.4 J	
MW-14 Screen 4	July/Aug 2003	MW-14-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.3 J	
MW-14 Screen 4	Oct/Nov 2003	MW-14-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.4 J	
MW-14 Screen 4	Feb 2004	MW-14-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-14 Screen 4	April/May 2004	MW-14-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	8.0	
MW-14 Screen 4	July/Aug 2004	MW-14-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	8.7	
MW-14 Screen 5	Jan/Feb 2003	MW-14-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-14 Screen 5	April/May 2003	MW-14-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-14 Screen 5	July/Aug 2003	MW-14-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-14 Screen 5	Oct/Nov 2003	MW-14-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-14 Screen 5	Feb 2004	MW-14-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-14 Screen 5	April/May 2004	MW-14-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-14 Screen 5	July/Aug 2004	MW-14-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-14 Screen 5	July/Aug 2004	DUPE-1-3Q04	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-15	April/May 2003	MW-15	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 4.0J Methylene Chloride 2.6
MW-15	Oct/Nov 2003	MW-15	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-15	Oct/Nov 2003	DUPE-2-4-Q03	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-15	April/May 2004	MW-15	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-15	April/May 2004	DUPE-6-2Q04	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-16	Jan/Feb 2003	MW-16	1.4	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	97.2	
MW-16	April/May 2003	MW-16	2.9	1.6	0.5 U	0.5 U	0.9	0.5 U	0.5 U	3.8	1810.0	4-Methyl-2-Pentanone 4.0J
MW-16	July/Aug 2003	MW-16	1.9	3.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.5	1520.0 J	Chlorodibromomethane 0.4J
MW-16	Oct/Nov 2003	MW-16	3.1	1.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.6	1360.0 J	
MW-16	Feb 2004	MW-7	1.8	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.1	1630.0	
MW-16	April/May 2004	MW-16	1.0	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.6	929.0	1,4-Dioxane 3.1

**TABLE 3-4**  
**SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND PERCHLORATE DETECTED**  
**DURING THE LONG-TERM QUARTERLY GROUDWATER SAMPLING PROGRAM**  
**BEGINNING JANUARY 2003**

(All concentrations reported in micrograms per liter)  
 Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Event	Sample Number	Carbon Tetra-chloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds (including 1,4-Dioxane)
MW-16	July/Aug 2004	MW-16	4.0	1.0	0.5	0.5 U	0.5 U	1.3	0.5 U	5.1	833.0	
MW-17 Screen 1	April/May 2003	MW-17-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 5.0J
MW-17 Screen 1	Oct/Nov 2003	MW-17-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-17 Screen 1	April/May 2004	MW-17-1	0.5 U	2.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5	4.0 UJ	
MW-17 Screen 2	Jan/Feb 2003	MW-17-2	0.5 U	1.2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	3.4 J	
MW-17 Screen 2	April/May 2003	MW-17-2	0.5 U	0.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.1	4-Methyl-2-Pentanone 5.0J
MW-17 Screen 2	July/Aug 2003	MW-17-2	0.7	3.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.6	10.9 J	
MW-17 Screen 2	Oct/Nov 2003	MW-17-2	1.0	6.2	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	1.1	15.7 J	
MW-17 Screen 2	Feb 2004	MW-17-2	0.7	3.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0	16.2	
MW-17 Screen 2	April/May 2004	MW-17-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	12.5 J	
MW-17 Screen 2	July/Aug 2004	MW-17-2	1.0	3.4	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.8	17.0	
MW-17 Screen 3	Jan/Feb 2003	MW-17-3	13.1	3.9	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	3.1	4.0 U	1,1,2-Trichlorotrifluoroethane 0.5J
MW-17 Screen 3	April/May 2003	MW-17-3	6.4	1.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.7	126.0	4-Methyl-2-Pentanone 3.0J
MW-17 Screen 3	July/Aug 2003	MW-17-3	13.0	3.8	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	3.6	209.0 J	
MW-17 Screen 3	Oct/Nov 2003	MW-17-3	11.0	3.1	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	2.6	199.0 J	
MW-17 Screen 3	Oct/Nov 2003	DUPE-5-4-Q03	13.7	3.8	0.6	0.5 U	0.5 U	0.5 U	0.5 U	3.1	193.0 J	
MW-17 Screen 3	Feb 2004	MW-17-3	9.6	3.6	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	3.1	162.0	
MW-17 Screen 3	April/May 2004	MW-17-3	4.7	2.1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.9	8.0 UJ	
MW-17 Screen 3	July/Aug 2004	MW-17-3	9.7	3.8	0.5	0.5 U	0.5 U	0.5 U	0.5 U	2.7	109.0	
MW-17 Screen 4	Jan/Feb 2003	MW-17-4	0.5 U	4.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.7	4.0 U	
MW-17 Screen 4	April/May 2003	MW-17-4	0.5 U	6.2	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	1.0	6.5	4-Methyl-2-Pentanone 4.0J
MW-17 Screen 4	July/Aug 2003	MW-17-4	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-17 Screen 4	Oct/Nov 2003	MW-17-4	0.5 U	0.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-17 Screen 4	Feb 2004	MW-17-4	0.5 U	1.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	4.0 U	
MW-17 Screen 4	April/May 2004	MW-17-4	0.5 U	1.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	4.0 UJ	
MW-17 Screen 4	July/Aug 2004	MW-17-4	0.5 U	0.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-17 Screen 5	April/May 2003	MW-17-5	0.5 U	3.1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.6	3.6 J	4-Methyl-2-Pentanone 3.0J
MW-17 Screen 5	Oct/Nov 2003	MW-17-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-17 Screen 5	April/May 2004	MW-17-5	0.5 U	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 UJ	
MW-18 Screen 1	April/May 2003	MW-18-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 4.0J
MW-18 Screen 1	Oct/Nov 2003	MW-18-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-18 Screen 1	April/May 2004	MW-18-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 UJ	
MW-18 Screen 2	Jan/Feb 2003	MW-18-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-18 Screen 2	April/May 2003	MW-18-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 4.0J
MW-18 Screen 2	July/Aug 2003	MW-18-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-18 Screen 2	Oct/Nov 2003	MW-18-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-18 Screen 2	Feb 2004	MW-18-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-18 Screen 2	April/May 2004	MW-18-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 UJ	
MW-18 Screen 2	July/Aug 2004	MW-18-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-18 Screen 3	Jan/Feb 2003	MW-18-3	0.5 U	0.5 U	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	1.6	4.0 U	

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**SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND PERCHLORATE DETECTED**  
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**BEGINNING JANUARY 2003**

(All concentrations reported in micrograms per liter)  
 Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Event	Sample Number	Carbon Tetra-chloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds (including 1,4-Dioxane)
MW-18 Screen 3	April/May 2003	MW-18-3	0.5 U	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.2	1.3 J	4-Methyl-2-Pentanone 4.0J
MW-18 Screen 3	July/Aug 2003	MW-18-3	0.5 U	0.4 J	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	1.5	1.3 J	
MW-18 Screen 3	Oct/Nov 2003	MW-18-3	0.5 U	0.4 J	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	1.1	4.0 U	
MW-18 Screen 3	Feb 2004	MW-18-3	0.4 J	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.9	4.0 U	
MW-18 Screen 3	April/May 2004	MW-18-3	0.5 U	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.9	2.7 J	
MW-18 Screen 3	July/Aug 2004	MW-18-3	0.7	0.7	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	1.2	6.4	
MW-18 Screen 4	Jan/Feb 2003	MW-18-4	6.7	2.6	4.8	0.5 U	0.5 U	0.5 U	0.5 U	1.3	24.6	
MW-18 Screen 4	April/May 2003	MW-18-4	2.4	1.0	2.1	0.5 U	0.5 U	0.5 U	0.5 U	0.9	23.9	4-Methyl-2-Pentanone 7.0J
MW-18 Screen 4	April/May 2003	DUPE-7-2Q03	2.4	0.9	1.9	0.5 U	0.5 U	0.5 U	0.5 U	0.8	23.8	4-Methyl-2-Pentanone 6.0J
MW-18 Screen 4	July/Aug 2003	MW-18-4	3.3	1.1	1.9	0.5 U	0.5 U	0.5 U	0.5 U	1.0	15.0	
MW-18 Screen 4	Oct/Nov 2003	MW-18-4	3.4	1.0	1.5	0.5 U	0.5 U	0.5 U	0.5 U	0.8	17.2 J	
MW-18 Screen 4	Feb 2004	MW-18-4	3.1	0.8	0.8	0.5 U	0.5 U	0.5 U	0.5 U	0.8	11.0	
MW-18 Screen 4	April/May 2004	MW-18-4	2.1	0.8	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.6	8.1 J	
MW-18 Screen 4	July/Aug 2004	MW-18-4	4.0	1.2	1.2	0.5 U	0.5 U	0.5 U	0.5 U	0.9	13.9	
MW-18 Screen 5	Jan/Feb 2003	MW-18-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-18 Screen 5	April/May 2003	MW-18-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 5.0J
MW-18 Screen 5	July/Aug 2003	MW-18-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-18 Screen 5	Oct/Nov 2003	MW-18-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-18 Screen 5	Feb 2004	MW-18-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-18 Screen 5	April/May 2004	MW-18-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 UJ	
MW-18 Screen 5	July/Aug 2004	MW-18-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-19 Screen 1	Jan/Feb 2003	MW-19-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-19 Screen 1	April/May 2003	MW-19-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-19 Screen 1	July/Aug 2003	MW-19-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-19 Screen 1	Oct/Nov 2003	MW-19-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-19 Screen 1	Feb 2004	MW-19-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-19 Screen 1	April/May 2004	MW-19-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-19 Screen 1	July/Aug 2004	MW-19-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-19 Screen 1	July/Aug 2004	DUPE-2-3Q04	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-19 Screen 2	Jan/Feb 2003	MW-19-2	0.5 U	1.1	2.0	0.4 J	0.5 U	0.5 U	0.5 U	0.7	4.0 U	
MW-19 Screen 2	April/May 2003	MW-19-2	0.5 U	0.4 J	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.6	4.3	
MW-19 Screen 2	July/Aug 2003	MW-19-2	0.5 U	0.6	1.2	0.5 U	0.5 U	0.5 U	0.5 U	0.6	3.6 J	Bromodichloromethane 0.4J Chlorodibromomethane 0.6
MW-19 Screen 2	Oct/Nov 2003	MW-19-2	0.5 U	0.3 J	1.5	0.5 U	0.5 U	0.5 U	0.5 U	0.8	4.4 J	Bromodichloromethane 0.5 Chlorodibromomethane 0.4J
MW-19 Screen 2	Feb 2004	MW-19-2	0.5 U	0.5 J	1.6	0.4 J	0.5 U	0.5 U	0.5 U	1.2	6.8	Bromodichloromethane 0.7 Chlorodibromomethane 1.3
MW-19 Screen 2	April/May 2004	MW-19-2	0.5 U	0.3 J	0.8	0.5 U	0.5 U	0.5 U	0.5 U	0.6	4.5	Bromodichloromethane 0.4J

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**BEGINNING JANUARY 2003**

(All concentrations reported in micrograms per liter)  
 Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Event	Sample Number	Carbon Tetra-chloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds (including 1,4-Dioxane)
MW-19 Screen 2	July/Aug 2004	MW-19-2	0.5 U	0.5	1.4	0.4 J	0.5 U	0.5 U	0.5 U	0.9	7.1	Bromodichloromethane 0.4J Chlorodibromomethane 0.4J cis-1,2-Dichloroethene 0.3J
MW-19 Screen 3	Jan/Feb 2003	MW-19-3	0.5 U	0.5 J	1.5	0.5 U	0.5 U	0.5 U	0.5 U	0.6	4.0 U	
MW-19 Screen 3	April/May 2003	MW-19-3	0.5 U	0.5 U	0.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.6 J	
MW-19 Screen 3	July/Aug 2003	MW-19-3	0.5 U	0.4 J	1.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.0 J	Chlorodibromomethane 0.4J
MW-19 Screen 3	Oct/Nov 2003	MW-19-3	0.5 U	0.3 J	1.4	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	5.1 J	
MW-19 Screen 3	Feb 2004	MW-19-3	0.5 U	0.5 U	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.2	Chlorodibromomethane 0.9
MW-19 Screen 3	Feb 2004	DUPE-2-1Q04	0.5 U	0.5 U	1.1	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	5.3	Chlorodibromomethane 0.9
MW-19 Screen 3	April/May 2004	MW-19-3	0.5 U	0.5 U	0.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.3 J	
MW-19 Screen 3	July/Aug 2004	MW-19-3	0.5 U	0.5 U	1.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	9.7	
MW-19 Screen 4	Jan/Feb 2003	MW-19-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.0	4.0 U	
MW-19 Screen 4	Jan/Feb 2003	DUPE-2-1Q03	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.9	4.0 U	
MW-19 Screen 4	April/May 2003	MW-19-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.7	4.0 U	
MW-19 Screen 4	July/Aug 2003	MW-19-4	0.5 U	0.5 U	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	1.0	4.0 U	
MW-19 Screen 4	July/Aug 2003	DUPE-1-3Q03	0.5 U	0.5 U	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	1.4	4.0 U	
MW-19 Screen 4	Oct/Nov 2003	MW-19-4	0.5 U	0.5 U	0.7	0.5 U	0.5 U	0.5 U	0.5 U	1.3	4.0 U	
MW-19 Screen 4	Feb 2004	MW-19-4	0.5 U	0.5 U	1.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5	3.5 J	
MW-19 Screen 4	April/May 2004	MW-19-4	0.5 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.7	4.0 U	
MW-19 Screen 4	July/Aug 2004	MW-19-4	0.5 U	0.4 J	2.3	0.5 U	0.5 U	0.5 U	0.5 U	0.7	4.0 U	m,p-Xylene 0.7 Toluene 0.6
MW-19 Screen 5	Jan/Feb 2003	MW-19-5	0.5 U	0.4 J	4.2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-19 Screen 5	April/May 2003	MW-19-5	0.5 U	0.5 U	2.8	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	4.0 U	
MW-19 Screen 5	July/Aug 2003	MW-19-5	0.5 U	0.5 U	3.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-19 Screen 5	Oct/Nov 2003	MW-19-5	0.5 U	0.3 J	3.9	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	4.0 U	
MW-19 Screen 5	Feb 2004	MW-19-5	0.5 U	0.5 U	2.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-19 Screen 5	April/May 2004	MW-19-5	0.5 U	0.5 U	2.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-19 Screen 5	July/Aug 2004	MW-19-5	0.5 U	0.4 J	4.2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-20 Screen 1	Jan/Feb 2003	MW-20-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-20 Screen 1	Jan/Feb 2003	DUPE-1-1Q03	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	4.0 U	
MW-20 Screen 1	April/May 2003	MW-20-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-20 Screen 1	April/May 2003	DUPE-3-2Q03	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-20 Screen 1	July/Aug 2003	MW-20-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 J	1.5 J	
MW-20 Screen 1	Oct/Nov 2003	MW-20-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	4.1 J	4-Methyl-2-Pentanone 3.0J Chloroethane 2.2 Chloromethane 0.9
MW-20 Screen 1	Feb 2004	MW-20-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-20 Screen 1	April/May 2004	MW-20-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-20 Screen 1	July/Aug 2004	MW-20-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-20 Screen 2	Jan/Feb 2003	MW-20-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.3	4.0 U	

**TABLE 3-4**  
**SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND PERCHLORATE DETECTED**  
**DURING THE LONG-TERM QUARTERLY GROUDWATER SAMPLING PROGRAM**  
**BEGINNING JANUARY 2003**

(All concentrations reported in micrograms per liter)  
 Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Event	Sample Number	Carbon Tetra-chloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds (including 1,4-Dioxane)
MW-20 Screen 2	April/May 2003	MW-20-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5	4.0 U	4-Methyl-2-Pentanone 3.0J
MW-20 Screen 2	July/Aug 2003	MW-20-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.2	4.0 U	
MW-20 Screen 2	Oct/Nov 2003	MW-20-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.9	4.0 U	
MW-20 Screen 2	Oct/Nov 2003	DUPE-6-4-Q03	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.9	4.0 U	Bromodichloromethane 0.3J
MW-20 Screen 2	Feb 2004	MW-20-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.9	4.0 U	
MW-20 Screen 2	April/May 2004	MW-20-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0	4.0 U	
MW-20 Screen 2	July/Aug 2004	MW-20-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.7	4.0 U	
MW-20 Screen 3	Jan/Feb 2003	MW-20-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-20 Screen 3	April/May 2003	MW-20-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 4.0J
MW-20 Screen 3	July/Aug 2003	MW-20-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-20 Screen 3	July/Aug 2003	DUPE-2-3-Q03	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-20 Screen 3	Oct/Nov 2003	MW-20-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-20 Screen 3	Feb 2004	MW-20-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.0 J	
MW-20 Screen 3	April/May 2004	MW-20-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-20 Screen 3	July/Aug 2004	MW-20-3	0.5 U	0.5 U	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-20 Screen 4	Jan/Feb 2003	MW-20-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-20 Screen 4	April/May 2003	MW-20-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	124.0	
MW-20 Screen 4	July/Aug 2003	MW-20-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-20 Screen 4	Oct/Nov 2003	MW-20-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-20 Screen 4	Feb 2004	MW-20-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-20 Screen 4	April/May 2004	MW-20-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-20 Screen 4	July/Aug 2004	MW-20-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-20 Screen 5	Jan/Feb 2003	MW-20-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	2-Butanone 3.0J Styrene 0.6
MW-20 Screen 5	April/May 2003	MW-20-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Styrene 0.5J
MW-20 Screen 5	July/Aug 2003	MW-20-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-20 Screen 5	Oct/Nov 2003	MW-20-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Styrene 0.4J
MW-20 Screen 5	Feb 2004	MW-20-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-20 Screen 5	April/May 2004	MW-20-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Styrene 0.4J
MW-20 Screen 5	July/Aug 2004	MW-20-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Styrene 0.4J
MW-21 Screen 1	Jan/Feb 2003	MW-21-1	0.5 U	3.6	0.7	0.5	0.5 U	0.5 U	0.5 U	1.0	3.1	
MW-21 Screen 1	April/May 2003	MW-21-1	0.5 U	0.7	0.5 J	0.6	0.5 U	0.5 U	0.5 U	0.8	3.6 J	
MW-21 Screen 1	July/Aug 2003	MW-21-1	0.5 U	11.0	1.0	0.7	0.5 U	0.5 U	0.5 U	1.7	5.2	
MW-21 Screen 1	Oct/Nov 2003	MW-21-1	0.5 U	5.5	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.9	6.5	
MW-21 Screen 1	Feb 2004	MW-21-1	0.5 U	1.2	0.5 J	0.6	0.5 U	0.5 U	0.5 U	0.8	5.7	
MW-21 Screen 1	April/May 2004	MW-21-1	0.5 U	0.9	0.4 J	0.6	0.5 U	0.5 U	0.5 U	0.7	5.6	
MW-21 Screen 1	July/Aug 2004	MW-21-1	0.5 U	4.2	0.5	0.6	0.5 U	0.5 U	0.5 U	0.8	5.1	
MW-21 Screen 2	Jan/Feb 2003	MW-21-2	0.5 U	0.5	1.1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-21 Screen 2	April/May 2003	MW-21-2	0.5 U	0.4 J	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.9 J	
MW-21 Screen 2	July/Aug 2003	MW-21-2	0.5 U	0.5 J	1.3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.1 J	

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**BEGINNING JANUARY 2003**

(All concentrations reported in micrograms per liter)  
 Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Event	Sample Number	Carbon Tetra-chloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds (including 1,4-Dioxane)
MW-21 Screen 2	Oct/Nov 2003	MW-21-2	0.5 U	0.3 J	2.2	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	2.7 J	
MW-21 Screen 2	Feb 2004	MW-21-2	0.5 U	0.6	1.5	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	4.5	cis-1,2-Dichloroethene 0.3J
MW-21 Screen 2	April/May 2004	MW-21-2	0.5 U	0.6	1.3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.8 J	cis-1,2-Dichloroethene 0.3J
MW-21 Screen 2	July/Aug 2004	MW-21-2	0.5 U	1.0	2.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	cis-1,2-Dichloroethene 0.5
MW-21 Screen 3	Jan/Feb 2003	MW-21-3	0.5 U	1.1	1.9	0.5 U	0.5 U	0.5 U	0.5 U	0.9	4.0 U	cis-1,2-Dichloroethane 0.3J
MW-21 Screen 3	April/May 2003	MW-21-3	0.5 U	1.0	2.1	0.5 U	0.5 U	0.5 U	0.5 U	0.8	2.9 J	
MW-21 Screen 3	July/Aug 2003	MW-21-3	0.5 U	1.0	1.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 J	2.7 J	Chlorodibromomethane 0.4J cis-1,2-Dichloroethane 0.4J
MW-21 Screen 3	Oct/Nov 2003	MW-21-3	0.5 U	0.7	1.6	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	3.6 J	
MW-21 Screen 3	Feb 2004	MW-21-3	0.5 U	1.3	2.3	0.5 U	0.5 U	0.5 U	0.5 U	0.9	4.2	
MW-21 Screen 3	April/May 2004	MW-21-3	0.5 U	1.0	1.6	0.5 U	0.5 U	0.5 U	0.5 U	0.6	4.3	cis-1,2-Dichloroethene 0.3J
MW-21 Screen 3	July/Aug 2004	MW-21-3	0.5 U	1.4	2.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5	4.0 U	cis-1,2-Dichloroethene 0.6
MW-21 Screen 4	Jan/Feb 2003	MW-21-4	0.5 U	0.3 J	5.2	0.5 U	0.5 U	0.5 U	0.5 U	1.7	4.0 U	cis-1,2-Dichloroethane 0.7
MW-21 Screen 4	April/May 2003	MW-21-4	0.5 U	0.5 U	5.2	0.5 U	0.5 U	0.5 U	0.5 U	1.9	2.1 J	cis-1,2-Dichloroethene 0.8
MW-21 Screen 4	July/Aug 2003	MW-21-4	0.5 U	1.0	15.4	0.5 U	0.5 U	0.5 U	0.5 U	3.2	2.7 J	Bromodichloromethane 0.5 Chlorodibromomethane 0.7 cis-1,2-Dichloroethane 2.2
MW-21 Screen 4	Oct/Nov 2003	MW-21-4	0.5 U	0.5 J	7.7	0.5 U	0.5 U	0.5 U	0.5 U	2.0	3.4 J	Chlorodibromomethane 0.3J cis-1,2-Dichloroethene 1.3
MW-21 Screen 4	Feb 2004	MW-21-4	0.5 U	0.4 J	5.0	0.5 U	0.5 U	0.5 U	0.5 U	2.8	3.5 J	Chlorodibromomethane 1 cis-1,2-Dichloroethene 1.1
MW-21 Screen 4	April/May 2004	MW-21-4	0.5 U	0.5 U	2.8	0.5 U	0.5 U	0.5 U	0.5 U	2.2	4.2	cis-1,2-Dichloroethene 0.7
MW-21 Screen 4	July/Aug 2004	MW-21-4	0.5 U	0.3 J	4.5	0.5 U	0.5 U	0.5 U	0.5 U	2.9	4.0 U	cis-1,2-Dichloroethene 1.2
MW-21 Screen 5	Jan/Feb 2003	MW-21-5	0.5 U	0.7	9.6	0.5 U	0.5 U	0.5 U	0.5 U	2.5	4.0 U	cis-1,2-Dichloroethane 2.0
MW-21 Screen 5	April/May 2003	MW-21-5	0.5 U	0.6	12.3	0.5 U	0.5 U	0.5 U	0.5 U	2.7	2.7 J	cis-1,2-Dichloroethene 1.7
MW-21 Screen 5	July/Aug 2003	MW-21-5	0.5 U	1.0	20.2	0.5 U	0.5 U	0.5 U	0.5 U	3.6	2.6 J	cis-1,2-Dichloroethane 2.5
MW-21 Screen 5	Oct/Nov 2003	MW-21-5	0.5 U	0.5 J	8.8	0.5 U	0.5 U	0.5 U	0.5 U	2.3	2.6 J	cis-1,2-Dichloroethene 1.4
MW-21 Screen 5	Feb 2004	MW-21-5	0.5 U	0.6	9.0	0.5 U	0.5 U	0.5 U	0.5 U	3.2	4.3	cis-1,2-Dichloroethene 1.5
MW-21 Screen 5	April/May 2004	MW-21-5	0.5 U	0.5 J	6.4	0.5 U	0.5 U	0.5 U	0.5 U	2.6	3.6 J	
MW-21 Screen 5	July/Aug 2004	MW-21-5	0.5 U	0.5	8.5	0.5 U	0.5 U	0.5 U	0.5 U	3.7	4.0 U	cis-1,2-Dichloroethene 1.7
MW-22 Screen 1	Jan/Feb 2003	MW-22-1	0.5 U	0.3 J	2.0	0.5 J	0.5 U	0.5 U	0.5 U	0.4 J	4.0 U	
MW-22 Screen 1	April/May 2003	MW-22-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.2 J	4-Methyl-2-Pentanone 3.0J
MW-22 Screen 1	July/Aug 2003	MW-22-1	0.5 U	0.3 J	0.9	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	2.7 J	4-Methyl-2-Pentanone 0.4J
MW-22 Screen 1	Oct/Nov 2003	MW-22-1	0.5 U	0.5 U	0.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.2 J	
MW-22 Screen 1	Feb 2004	MW-22-1	0.5 U	0.5 U	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-22 Screen 1	April/May 2004	MW-22-1	0.5 U	0.5 U	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-22 Screen 1	July/Aug 2004	MW-22-1	0.5 U	0.3 J	0.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.6 J	Methylene Chloride 0.7
MW-22 Screen 2	Jan/Feb 2003	MW-22-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-22 Screen 2	Jan/Feb 2003	DUPE-5-1Q03	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.0 J	
MW-22 Screen 2	April/May 2003	MW-22-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.6 J	4-Methyl-2-Pentanone 5.0J



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Sample Location	Sampling Event	Sample Number	Carbon Tetra-chloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds (including 1,4-Dioxane)
MW-22 Screen 2	July/Aug 2003	MW-22-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.4 J	4-Methyl-2-Pentanone 0.6J
MW-22 Screen 2	July/Aug 2003	DUPE-5-3-Q03	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.1 J	4-Methyl-2-Pentanone 0.4J
MW-22 Screen 2	Oct/Nov 2003	MW-22-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.4 J	
MW-22 Screen 2	Feb 2004	MW-22-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-22 Screen 2	April/May 2004	MW-22-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-22 Screen 2	July/Aug 2004	MW-22-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.8 J	Methylene Chloride 0.8
MW-22 Screen 3	Jan/Feb 2003	MW-22-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	
MW-22 Screen 3	April/May 2003	MW-22-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.8 J	4-Methyl-2-Pentanone 6.0J
MW-22 Screen 3	July/Aug 2003	MW-22-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.2 J	4-Methyl-2-Pentanone 2.0J Chloroethane 2.0
MW-22 Screen 3	Oct/Nov 2003	MW-22-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.6 J	
MW-22 Screen 3	Feb 2004	MW-22-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-22 Screen 3	April/May 2004	MW-22-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-22 Screen 3	July/Aug 2004	MW-22-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Methylene Chloride 0.7
MW-22 Screen 4	April/May 2003	MW-22-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 9.0J
MW-22 Screen 4	Oct/Nov 2003	MW-22-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 3.0J Chloroethane 3.2 Chloromethane 1.0
MW-22 Screen 4	April/May 2004	MW-22-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-22 Screen 5	April/May 2003	MW-22-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 5.0J
MW-22 Screen 5	Oct/Nov 2003	MW-22-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 2.0J
MW-22 Screen 5	April/May 2004	MW-22-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-22 Screen 5	April/May 2004	DUPE-2-2Q04	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-23 Screen 1	Jan/Feb 2003	MW-23-1	0.5 U	1.5	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 J	1.9 J	
MW-23 Screen 1	April/May 2003	MW-23-1	0.5 U	1.0	0.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5	2.9 J	4-Methyl-2-Pentanone 4.0J
MW-23 Screen 1	July/Aug 2003	MW-23-1	0.5 U	0.3 J	1.5	0.5	0.5 U	0.5 U	0.5 U	0.4 J	2.4 J	
MW-23 Screen 1	Oct/Nov 2003	MW-23-1	0.5 U	0.5 U	1.1	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	3.1 J	4-Methyl-2-Pentanone 2.0J Chloroethane 2.7 Chloromethane 0.6
MW-23 Screen 1	Feb 2004	MW-23-1	0.5 U	0.6	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	4.5	
MW-23 Screen 1	April/May 2004	MW-23-1	0.5 U	1.2	0.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5	4.0 U	
MW-23 Screen 1	July/Aug 2004	MW-23-1	0.5 U	0.8	0.8	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	4.4	
MW-23 Screen 2	Jan/Feb 2003	MW-23-2	0.5 U	0.7	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5	2.4 J	
MW-23 Screen 2	April/May 2003	MW-23-2	0.5 U	0.6	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5	3.8 J	4-Methyl-2-Pentanone 3.0J
MW-23 Screen 2	July/Aug 2003	MW-23-2	0.5 U	0.6	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 J	4.7	Methylene Chloride 0.6
MW-23 Screen 2	Oct/Nov 2003	MW-23-2	0.5 U	0.5	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 J	5.4 J	4-Methyl-2-Pentanone 3.0J Chloroethane 2.3 Chloromethane 0.6
MW-23 Screen 2	Feb 2004	MW-23-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	6.9	



**TABLE 3-4**  
**SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND PERCHLORATE DETECTED**  
**DURING THE LONG-TERM QUARTERLY GROUDWATER SAMPLING PROGRAM**  
**BEGINNING JANUARY 2003**

(All concentrations reported in micrograms per liter)  
 Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Event	Sample Number	Carbon Tetra-chloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds (including 1,4-Dioxane)
MW-23 Screen 2	April/May 2004	MW-23-2	0.5 U	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	5.4
MW-23 Screen 2	July/Aug 2004	MW-23-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.9	
MW-23 Screen 3	Jan/Feb 2003	MW-23-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.2 J	
MW-23 Screen 3	April/May 2003	MW-23-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 3.0J
MW-23 Screen 3	July/Aug 2003	MW-23-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.0 J	
MW-23 Screen 3	Oct/Nov 2003	MW-23-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 2.0J Chloroethane 2.3 Chloromethane 0.6
MW-23 Screen 3	Feb 2004	MW-23-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-23 Screen 3	Feb 2004	DUPE-4-1Q04	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-23 Screen 3	April/May 2004	MW-23-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-23 Screen 3	July/Aug 2004	MW-23-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-23 Screen 4	April/May 2003	MW-23-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 5.0J
MW-23 Screen 4	Oct/Nov 2003	MW-23-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 2.0J Chloromethane 0.5
MW-23 Screen 4	April/May 2004	MW-23-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-23 Screen 5	April/May 2003	MW-23-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 3.0J
MW-23 Screen 5	Oct/Nov 2003	MW-23-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-23 Screen 5	April/May 2004	MW-23-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Styrene 0.4J Vinyl Chloride 0.6
MW-24 Screen 1	Jan/Feb 2003	MW-24-1	4.7	1.7	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	2.4	257.0	
MW-24 Screen 1	April/May 2003	MW-24-1	7.5	2.9	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	5.2	854.0	4-Methyl-2-Pentanone 4.0J
MW-24 Screen 1	July/Aug 2003	MW-24-1	22.1	4.8	1.5	0.5 U	0.5 U	0.8	0.5 U	10.2	2450.0	4-Methyl-2-Pentanone 0.3J Methylene Chloride 0.4J
MW-24 Screen 1	Oct/Nov 2003	MW-24-1	19.1	3.7	1.6	0.5 U	0.5 U	0.7	0.5 U	6.8	2760.0 J	
MW-24 Screen 1	Feb 2004	MW-24-1	6.7	1.6	0.5	0.5 U	0.5 U	0.5 U	0.5 U	3.4	1120.0	
MW-24 Screen 1	April/May 2004	MW-24-1	8.3	1.9	0.8	0.5 U	0.5 U	0.5 U	0.5 U	3.9	2240.0	1,4-Dioxane 3.2
MW-24 Screen 1	July/Aug 2004	MW-24-1	16.7	2.4	1.7	0.5 U	0.5 U	0.5 U	0.5 U	5.9	2170.0	
MW-24 Screen 2	Jan/Feb 2003	MW-24-2	8.9	1.3	0.5 U	0.5 U	0.5 U	0.5 J	0.5 U	2.8	106.0	
MW-24 Screen 2	April/May 2003	MW-24-2	8.9	1.6	0.3 J	0.5 U	0.5 U	0.5	0.5 U	3.8	195.0	4-Methyl-2-Pentanone 4.0J
MW-24 Screen 2	April/May 2003	DUPE-4-2Q03	4.1	0.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.3	199.0	4-Methyl-2-Pentanone 5.0J Methylene Chloride 2.5
MW-24 Screen 2	July/Aug 2003	MW-24-2	4.7	0.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.4	148.0	Methylene Chloride 0.3J
MW-24 Screen 2	Oct/Nov 2003	MW-24-2	3.4	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.4	155.0 J	
MW-24 Screen 2	Feb 2004	MW-24-2	3.1	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5	107.0	
MW-24 Screen 2	April/May 2004	MW-24-2	1.6	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0	110.0	
MW-24 Screen 2	July/Aug 2004	MW-24-2	4.1	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.7	99.7	
MW-24 Screen 3	Jan/Feb 2003	MW-24-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.6	
MW-24 Screen 3	April/May 2003	MW-24-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 5.0J
MW-24 Screen 3	July/Aug 2003	MW-24-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	

**TABLE 3-4**  
**SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND PERCHLORATE DETECTED**  
**DURING THE LONG-TERM QUARTERLY GROUDWATER SAMPLING PROGRAM**  
**BEGINNING JANUARY 2003**

(All concentrations reported in micrograms per liter)

Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Event	Sample Number	Carbon Tetra-chloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds (including 1,4-Dioxane)
MW-24 Screen 3	Oct/Nov 2003	MW-24-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-24 Screen 3	Feb 2004	MW-24-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-24 Screen 3	April/May 2004	MW-24-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-24 Screen 3	July/Aug 2004	MW-24-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-24 Screen 4	April/May 2003	MW-24-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 5.0J
MW-24 Screen 4	Oct/Nov 2003	MW-24-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-24 Screen 4	Oct/Nov 2003	DUPE-1-4Q03	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-24 Screen 4	April/May 2004	MW-24-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-24 Screen 5	April/May 2003	MW-24-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 5.0J
MW-24 Screen 5	Oct/Nov 2003	MW-24-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-24 Screen 5	April/May 2004	MW-24-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
California Maximum Contaminant Level (MCL)			0.5	5.0	5.0	5.0	0.5	6.0	1200.0	100.0	6.0*	
EPA Region IX Maximum Contaminant Level			5.0	5.0	5.0	NE	5.0	7.0	NE	100.0	NE	

**Notes**

- DUPE Field Duplicate
- J Indicates an estimated value.
- NE Not established
- U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.
- \* Interim Action Level - California Department of Health Services

**TABLE 3-5**  
**SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND PERCHLORATE REPORTED IN**  
**MUNICIPAL PRODUCTION WELLS NEAR JPL DURING THE MOST RECENT SAMPLING EVENTS**

(All Concentrations Are Reported in Micrograms per Liter)  
 Shaded Values Exceed the State or Federal MCLs or the Action Levels.

Purveyor	Well Name	Sample Date	Perchlorate	Carbon Tetrachloride	Tetrachloroethene (PCE)	Trichloroethene (TCE)	1,1-Dichloroethane	Chloroform
Lincoln Avenue Water Company	Well #3	7/6/2004	8.4	NA	NA	NA	NA	NA
	Well #3	7/15/2004	8.9	0.9	0.5 U	1.8	NA	NA
	Well #3	7/27/2004	11.0	NA	NA	NA	NA	NA
	Well #3	8/3/2004	7.3	1.7	0.5 U	2.0	NA	NA
	Well #3	9/7/2004	17.0	2.7	0.5 U	2.9	NA	NA
	Well #5	7/6/2004	4.6	NA	NA	NA	NA	NA
	Well #5	7/15/2004	4.4	0.5 U	0.6	6.0	NA	NA
	Well #5	7/27/2004	4.4	NA	NA	NA	NA	NA
	Well #5	8/3/2004	4.0	0.5 U	0.5 U	6.0	NA	NA
	Well #5	9/7/2004	4.0 U	0.5 U	0.5 U	4.7	NA	NA
Las Flores Water Company	Well #2	7/6/2004	4.4	NA	5.1	NA	NA	NA
	Well #2	7/12/2004	4.3	NA	6.5	NA	NA	NA
	Well #2	7/19/2004	4.8	NA	5.4	NA	NA	NA
	Well #2	7/26/2004	4.4	NA	6.0	NA	NA	NA
	Well #2	8/2/2004	4.0 U	NA	5.4	NA	NA	NA
	Well #2	8/9/2004	4.0 U	0.5 U	5.4	0.5 U	0.5 U	0.5 U
	Well #2	8/16/2004	4.0 U	NA	5.6	NA	NA	NA
	Well #2	8/23/2004	4.0 U	NA	5.0	NA	NA	NA
	Well #2	8/30/2004	4.0 U	NA	5.2	NA	NA	NA
	Well #2	9/7/2004	4.0 U	NA	5.7	NA	NA	NA
	Well #2	9/13/2004	5.8	NA	5.7	NA	NA	NA
	Well #2	9/20/2004	4.8	NA	5.2	NA	NA	NA
Well #2	9/27/2004	5.5	NA	5.8	NA	NA	NA	
Rubio Canon Land & Water Association	Well #4	7/6/2004	4.0 U	NA	NA	NA	NA	NA
	Well #4	8/2/2004	4.0 U	NA	NA	NA	NA	NA
	Well #4	9/7/2004	4.0 U	NA	NA	NA	NA	NA
	Well #7	7/6/2004	4.0 U	NA	NA	NA	NA	NA
	Well #7	8/2/2004	4.0 U	NA	NA	NA	NA	NA
	Well #7	9/7/2004	4.0 U	NA	NA	NA	NA	NA
Valley Water Company	Well #1	7/7/2004	NA	0.5 U	1.5	0.5	0.5 U	9.5
	Well #1	8/19/2004	NA	0.5 U	2.1	1.1	0.5 U	8.0
	Well #1	9/7/2004	NA	0.5 U	3.6	1.0	0.5 U	8.7
	Well #2	7/7/2004	NA	0.5 U	0.5 U	0.5 U	0.5 U	12.0
	Well #2	8/19/2004	NA	0.5 U	0.5 U	0.5 U	0.5 U	12.0
	Well #3	7/7/2004	NA	0.5 U	2.2	0.5 U	0.5 U	1.4
	Well #3	8/19/2004	NA	0.5 U	2.8	0.5 U	0.5 U	1.2
	Well #4	7/7/2004	NA	0.5 U	0.7	0.5 U	0.5 U	11.0
	Well #4	8/19/2004	NA	0.5 U	1.0	0.5 U	0.5 U	9.8
Well #4	9/7/2004	NA	0.5 U	2.3	0.6	0.5 U	7.9	
California Maximum Contaminant Level (MCL)			6.0 <sup>(1)</sup>	0.5	5.0	5.0	5.0	100.0
EPA Region IX Maximum Contaminant Level			NE	5.0	5.0	5.0	NE	100.0

**Notes**

- (1) Interim Action Level - California Department of Health Services
- NE Not Established
- NA Sample not analyzed for specified analyte
- Source California Department of Health Services Drinking Water Program, California Drinking Water Data, October 19, 2004
- U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

**TABLE 3-6**  
**SUMMARY OF METALS ANALYSES OF GROUNDWATER**  
**SAMPLES COLLECTED FROM JPL MONITORING WELLS**  
**JULY - AUGUST 2004**

Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sample Number	Total Chromium (ug/L)	Hexavalent Chromium (mg/L)	Field Turbidity (NTU)
MW-3 Screen 2	MW-3-2	8.8	0.01 U	7.26
MW-3 Screen 3	MW-3-3	7.2	0.01 U	5.53
MW-3 Screen 3	DUPE-4-3Q04	7.4	0.01 U	5.96
MW-3 Screen 4	MW-3-4	6.6	0.01 U	6.78
MW-4 Screen 1	MW-4-1	0.8 U	0.01 U	15.80
MW-4 Screen 2	MW-4-2	13.9	0.007 J	10.55
MW-4 Screen 3	MW-4-3	1.0	0.01 U	11.90
MW-5	MW-5	10.9 J	0.01 U	1.45
MW-5	DUPE-5-3Q04	11.6 J	0.01 U	1.45
MW-6	MW-6	28.4 J	0.01 U	2.43
MW-7	MW-7	8.7 J	0.01 U	2.18
MW-8	MW-8	9.8 J	0.01 U	1.19
MW-10	MW-10	24.2 J	0.01 U	1.01
MW-10	DUPE-6-3Q04	23.8 J	0.01 U	1.01
MW-11 Screen 1	MW-11-1	10.1	0.01 U	5.77
MW-11 Screen 2	MW-11-2	9.1	0.01 U	3.57
MW-11 Screen 3	MW-11-3	9.6	0.01 U	22.10
MW-12 Screen 1	MW-12-1	11.7	0.01 U	9.21
MW-12 Screen 2	MW-12-2	12.0	0.01 U	7.26
MW-12 Screen 3	MW-12-3	6.5	0.01 U	6.76
MW-13	MW-13	26.1 J	0.011	1.88
MW-14 Screen 1	MW-14-1	12.8 J	0.01 U	8.06
MW-14 Screen 2	MW-14-2	6.9 J	0.01 U	4.66
MW-14 Screen 3	MW-14-3	5.2 J	0.01 U	2.17
MW-15	MW-15	12.6 J	0.01 U	1.35
MW-16	MW-16	9.1 J	0.01 U	0.90
MW-17 Screen 2	MW-17-2	10.0	0.01 U	6.21
MW-17 Screen 3	MW-17-3	10.3	0.01 U	8.81
MW-17 Screen 4	MW-17-4	5.7	0.01 U	6.00
MW-18 Screen 2	MW-18-2	4.6 J	0.01 U	8.83
MW-18 Screen 3	MW-18-3	9.3 J	0.01 U	1.31
MW-18 Screen 4	MW-18-4	5.4 J	0.01 U	5.28
MW-20 Screen 1	MW-20-1	10.5	0.01 U	7.15
MW-20 Screen 2	MW-20-2	0.9	0.01 U	5.19
MW-20 Screen 3	MW-20-3	12.7	0.01 U	5.94
MW-20 Screen 4	MW-20-4	6.2	0.01 U	9.54
MW-20 Screen 5	MW-20-5	6.8	0.01 U	5.93
MW-21 Screen 1	MW-21-1	5.3 J	0.01 U	8.46
MW-21 Screen 2	MW-21-2	7.8 J	0.01 U	2.65
MW-21 Screen 3	MW-21-3	8.2 J	0.01 U	3.21
MW-21 Screen 4	MW-21-4	6.9 J	0.01 U	1.39
MW-21 Screen 5	MW-21-5	6.0 J	0.01 U	6.45
MW-22 Screen 1	MW-22-1	7.3 J	0.01 U	60.90
MW-22 Screen 2	MW-22-2	9.8 J	0.01 U	6.56
MW-22 Screen 3	MW-22-3	10.0 J	0.01 U	6.28
MW-23 Screen 1	MW-23-1	15.2	0.01 U	7.59
MW-23 Screen 2	MW-23-2	14.1	0.01 U	6.41
MW-23 Screen 3	MW-23-3	11.2	0.01 U	12.70
MW-23 Screen 4	MW-23-4	7.9	0.01 U	6.25

**TABLE 3-6**  
**SUMMARY OF METALS ANALYSES OF GROUNDWATER**  
**SAMPLES COLLECTED FROM JPL MONITORING WELLS**  
**JULY - AUGUST 2004**

Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sample Number	Total Chromium (ug/L)	Hexavalent Chromium (mg/L)	Field Turbidity (NTU)
MW-24 Screen 1	MW-24-1	11.2	0.01 U	7.78
MW-24 Screen 2	MW-24-2	9.2	0.01 U	8.55
MW-24 Screen 3	MW-24-3	7.3	0.01 U	7.50
MW-24 Screen 4	MW-24-4	6.2	0.01 U	6.32
California Maximum Contaminant Level (MCL)		50.0	0.05 <sup>(1)</sup>	NE
EPA Region IX Maximum Contaminant Level		100.0	NE	NE

**Notes**

- DUPE                   Field Duplicate
- J                       Indicates an estimated value.
- MCL                   Maximum Contaminant Level
- ug/L                   Micrograms per liter
- mg/L                   Milligrams per liter
- NTU                   Nepthalometric Turbidity Unit
- NA                     Not analyzed for this metal during this quarter.
- NE                     Not established
- U                       Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.
- UJ                      Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.
- \*                       Interim Action Level - California Department of Health Services
- (1)                     As of January 6, 2004, hexavalent chromium is regulated under the 50-ug/L MCL for total chromium. DHS will be adopting an MCL that is specific for hexavalent chromium (DHS, 2004).

**TABLE 3-7**  
**SUMMARY OF METALS DETECTED DURING THE**  
**LONG-TERM QUARTERLY GROUNDWATER SAMPLING PROGRAM**  
**BEGINNING JANUARY 2003**

Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Event	Sample Number	Arsenic (ug/L)	Lead (ug/L)	Total Chromium (ug/L)	Hexavalent Chromium (mg/L)	Field Turbidity (NTU)
MW-1	April/May 2003	MW-1	5.0 U	<b>0.2 J</b>	2.4	0.01 U	2.02
MW-1	Oct/Nov 2003	MW-1	NA	NA	<b>2.4 J</b>	0.01 U	0.00
MW-1	April/May 2004	MW-1	2.3 U	<b>0.01 J</b>	<b>10.0</b>	0.01 U	0.35
MW-3 Screen 1	April/May 2003	MW-3-1	5.0 U	1.0 U	<b>2.1</b>	0.01 U	20.40
MW-3 Screen 1	Oct/Nov 2003	MW-3-1	NA	NA	1.8 UJ	0.01 U	5.60
MW-3 Screen 1	April/May 2004	MW-3-1	5.0 UJ	0.12 U	<b>7.6</b>	0.01 U	5.10
MW-3 Screen 1	April/May 2004	DUPE-1-2Q04	5.0 UJ	<b>0.001 J</b>	<b>8.2</b>	0.01 U	9.20
MW-3 Screen 2	Jan/Feb 2003	MW-3-2	NA	NA	<b>2.4</b>	0.01 U	1.54
MW-3 Screen 2	April/May 2003	MW-3-2	5.0 U	1.0 U	<b>1.6</b>	0.01 U	1.35
MW-3 Screen 2	April/May 2003	DUPE-5-2Q03	5.0 U	1.0 U	<b>1.9</b>	0.01 U	1.35
MW-3 Screen 2	July/Aug 2003	MW-3-2	NA	NA	<b>2.4 J</b>	0.01 U	3.38
MW-3 Screen 2	Oct/Nov 2003	MW-3-2	NA	NA	1.6 UJ	0.01 U	2.20
MW-3 Screen 2	Feb 2004	MW-3-2	NA	NA	<b>12.0</b>	0.01 U	4.40
MW-3 Screen 2	Feb 2004	DUPE-1-1Q04	NA	NA	<b>3.5</b>	0.01 U	3.60
MW-3 Screen 2	April/May 2004	MW-3-2	5.0 UJ	0.12 U	<b>7.3</b>	0.01 U	3.40
MW-3 Screen 2	July/Aug 2004	MW-3-2	NA	NA	<b>8.8</b>	0.01 U	7.26
MW-3 Screen 3	Jan/Feb 2003	MW-3-3	NA	NA	<b>2.0</b>	0.01 U	1.52
MW-3 Screen 3	April/May 2003	MW-3-3	5.0 U	1.0 U	<b>0.8 J</b>	0.01 U	0.11
MW-3 Screen 3	July/Aug 2003	MW-3-3	NA	NA	<b>2.0 J</b>	0.01 U	2.57
MW-3 Screen 3	Oct/Nov 2003	MW-3-3	NA	NA	2.0 UJ	0.01 U	1.10
MW-3 Screen 3	Feb 2004	MW-3-3	NA	NA	<b>2.6</b>	0.01 U	1.40
MW-3 Screen 3	April/May 2004	MW-3-3	4.8 UJ	0.12 U	<b>4.8</b>	0.01 U	0.85
MW-3 Screen 3	July/Aug 2004	MW-3-3	NA	NA	<b>7.2</b>	0.01 U	5.53
MW-3 Screen 3	July/Aug 2004	DUPE-4-3Q04	NA	NA	<b>7.4</b>	0.01 U	5.96
MW-3 Screen 4	Jan/Feb 2003	MW-3-4	NA	NA	<b>2.3</b>	0.01 U	0.94
MW-3 Screen 4	April/May 2003	MW-3-4	5.0 U	1.0 U	<b>1.7</b>	0.01 U	0.67
MW-3 Screen 4	July/Aug 2003	MW-3-4	NA	NA	<b>1.8 J</b>	0.01 U	1.06
MW-3 Screen 4	Oct/Nov 2003	MW-3-4	NA	NA	1.9 UJ	0.01 U	1.30
MW-3 Screen 4	Feb 2004	MW-3-4	NA	NA	<b>4.8</b>	0.01 U	2.60
MW-3 Screen 4	April/May 2004	MW-3-4	3.7 UJ	0.014 U	<b>7.6</b>	0.01 U	5.40
MW-3 Screen 4	July/Aug 2004	MW-3-4	NA	NA	<b>6.6</b>	0.01 U	6.78
MW-3 Screen 5	April/May 2003	MW-3-5	<b>4.3 J</b>	1.0 U	<b>0.5 J</b>	0.01 U	0.41
MW-3 Screen 5	Oct/Nov 2003	MW-3-5	NA	NA	0.7 UJ	0.01 U	2.00
MW-3 Screen 5	April/May 2004	MW-3-5	6.4 UJ	<b>0.14 J</b>	<b>4.9</b>	0.01 U	32.00
MW-4 Screen 1	Jan/Feb 2003	MW-4-1	NA	NA	<b>2.2</b>	0.01 U	8.11
MW-4 Screen 1	April/May 2003	MW-4-1	5.0 U	1.0 U	<b>3.4 J</b>	0.01 U	0.31
MW-4 Screen 1	July/Aug 2003	MW-4-1	NA	NA	<b>2.7 J</b>	0.01 U	2.90
MW-4 Screen 1	July/Aug 2003	DUPE-3-3-Q03	NA	NA	<b>2.5 J</b>	0.01 U	2.40
MW-4 Screen 1	Oct/Nov 2003	MW-4-1	NA	NA	<b>2.6</b>	0.01 U	4.30
MW-4 Screen 1	Feb 2004	MW-4-1	NA	NA	<b>4.4</b>	0.01 U	7.10
MW-4 Screen 1	April/May 2004	MW-4-1	5.0 UJ	<b>0.33 J</b>	0.6 UJ	<b>0.006 J</b>	13.00
MW-4 Screen 1	July/Aug 2004	MW-4-1	NA	NA	0.8 U	0.01 U	15.80
MW-4 Screen 2	Jan/Feb 2003	MW-4-2	NA	NA	<b>4.8</b>	0.01 U	9.32
MW-4 Screen 2	April/May 2003	MW-4-2	5.0 U	1.0 U	<b>6.4 J</b>	0.01 U	1.04
MW-4 Screen 2	July/Aug 2003	MW-4-2	NA	NA	<b>5.2 J</b>	0.01 U	3.40
MW-4 Screen 2	Oct/Nov 2003	MW-4-2	NA	NA	<b>3.7</b>	0.01 U	35.00
MW-4 Screen 2	Feb 2004	MW-4-2	NA	NA	<b>6.7</b>	0.01 U	10.00
MW-4 Screen 2	April/May 2004	MW-4-2	5.0 UJ	0.27 UJ	<b>3.8 J</b>	<b>0.004 J</b>	15.00
MW-4 Screen 2	April/May 2004	DUPE-3-2Q04	5.0 UJ	0.082 UJ	<b>4.3 J</b>	<b>0.006 J</b>	15.00
MW-4 Screen 2	July/Aug 2004	MW-4-2	NA	NA	<b>13.9</b>	<b>0.007 J</b>	10.55
MW-4 Screen 3	Jan/Feb 2003	MW-4-3	NA	NA	<b>4.3</b>	0.01 U	20.70
MW-4 Screen 3	April/May 2003	MW-4-3	5.0 U	1.0 U	<b>3.8 J</b>	0.01 U	20.30
MW-4 Screen 3	July/Aug 2003	MW-4-3	NA	NA	0.4 U	0.01 U	45.00
MW-4 Screen 3	Oct/Nov 2003	MW-4-3	NA	NA	0.4 U	0.01 U	33.00
MW-4 Screen 3	Feb 2004	MW-4-3	NA	NA	0.3 UJ	0.01 U	20.00

**TABLE 3-7**  
**SUMMARY OF METALS DETECTED DURING THE**  
**LONG-TERM QUARTERLY GROUNDWATER SAMPLING PROGRAM**  
**BEGINNING JANUARY 2003**

Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Event	Sample Number	Arsenic (ug/L)	Lead (ug/L)	Total Chromium (ug/L)	Hexavalent Chromium (mg/L)	Field Turbidity (NTU)
MW-4 Screen 3	April/May 2004	MW-4-3	5.0 UJ	<b>0.43 J</b>	0.2 UJ	0.01 U	21.00
MW-4 Screen 3	July/Aug 2004	MW-4-3	NA	NA	<b>1.0</b>	0.01 U	11.90
MW-4 Screen 4	April/May 2003	MW-4-4	5.0 U	1.0 U	<b>3.5 J</b>	0.01 U	1.94
MW-4 Screen 4	April/May 2003	DUPE-1-2Q03	5.0 U	1.0 U	<b>2.8 J</b>	0.01 U	1.94
MW-4 Screen 4	Oct/Nov 2003	MW-4-4	NA	NA	<b>2.4</b>	0.01 U	3.50
MW-4 Screen 4	April/May 2004	MW-4-4	5.0 UJ	<b>0.31 J</b>	1.1 UJ	0.01 U	12.00
MW-4 Screen 5	April/May 2003	MW-4-5	5.0 U	1.0 U	<b>3.0 J</b>	0.01 U	4.86
MW-4 Screen 5	Oct/Nov 2003	MW-4-5	NA	NA	<b>3.5 J</b>	0.01 U	8.90
MW-4 Screen 5	Oct/Nov 2003	DUPE-3-4-Q03	NA	NA	<b>5.6</b>	0.01 U	25.00
MW-4 Screen 5	April/May 2004	MW-4-5	5.0 UJ	0.23 UJ	<b>6.6 J</b>	0.01 U	50.00
MW-5	Jan/Feb 2003	MW-5	NA	NA	<b>6.8</b>	0.01 U	0.06
MW-5	April/May 2003	MW-5	5.0 U	1.0 U	<b>3.1 J</b>	0.01 U	2.64
MW-5	July/Aug 2003	MW-5	NA	NA	<b>3.1 J</b>	0.01 U	80.00
MW-5	Oct/Nov 2003	MW-5	NA	NA	<b>2.8 J</b>	0.01 U	0.45
MW-5	Feb 2004	MW-5	NA	NA	<b>5.1</b>	0.01 U	1.51
MW-5	April/May 2004	MW-5	5.0 U	<b>0.12 J</b>	<b>1.9</b>	0.01 U	6.30
MW-5	July/Aug 2004	MW-5	NA	NA	<b>10.9 J</b>	0.01 U	1.45
MW-5	July/Aug 2004	DUPE-5-3Q04	NA	NA	<b>11.6 J</b>	0.01 U	1.45
MW-6	Jan/Feb 2003	MW-6	NA	NA	<b>6.4</b>	0.01 U	0.33
MW-6	April/May 2003	MW-6	5.0 U	1.0 U	<b>7.1 J</b>	0.01 U	8.17
MW-6	July/Aug 2003	MW-6	NA	NA	<b>6.6 J</b>	0.01 U	22.20
MW-6	Oct/Nov 2003	MW-6	NA	NA	<b>9.9 J</b>	0.01 U	0.15
MW-6	Feb 2004	MW-6	NA	NA	<b>10.0</b>	0.01 U	2.80
MW-6	April/May 2004	MW-6	2.0 U	<b>0.18</b>	<b>7.8</b>	0.01 U	9.70
MW-6	July/Aug 2004	MW-6	NA	NA	<b>28.4 J</b>	0.01 U	2.43
MW-7	Jan/Feb 2003	MW-7	NA	NA	<b>7.4</b>	0.01 U	0.06
MW-7	Jan/Feb 2003	DUPE-6-1Q03	NA	NA	<b>7.3</b>	0.01 U	0.06
MW-7	April/May 2003	MW-7	5.0 U	1.0 U	<b>4.9</b>	0.01 U	1.20
MW-7	July/Aug 2003	MW-7	NA	NA	<b>4.6 J</b>	0.01 U	0.08
MW-7	Oct/Nov 2003	MW-7	NA	NA	<b>5.0 J</b>	0.01 U	0.00
MW-7	Feb 2004	MW-16	NA	NA	<b>5.7</b>	0.01 U	8.10
MW-7	April/May 2004	MW-7	5.0 U	<b>0.46</b>	<b>11.2</b>	0.01 U	13.00
MW-7	April/May 2004	DUPE-7-2Q04	5.0 U	<b>0.51</b>	<b>11.7</b>	0.01 U	13.00
MW-7	July/Aug 2004	MW-7	NA	NA	<b>8.7 J</b>	0.01 U	2.18
MW-8	Jan/Feb 2003	MW-8	NA	NA	<b>9.4</b>	0.01 U	0.25
MW-8	April/May 2003	MW-8	<b>2.0 J</b>	1.0 U	<b>1.4 J</b>	0.01 U	0.04
MW-8	July/Aug 2003	MW-8	NA	NA	<b>3.6 J</b>	0.01 U	4.90
MW-8	Oct/Nov 2003	MW-8	NA	NA	1.5 UJ	<b>0.008 J</b>	0.00
MW-8	Oct/Nov 2003	DUPE-7-4-Q03	NA	NA	1.8 UJ	0.01 U	0.00
MW-8	Feb 2004	MW-8	NA	NA	<b>4.0</b>	0.01 U	0.10
MW-8	April/May 2004	MW-8	5.0 U	0.024 U	<b>6.0</b>	0.01 U	0.50
MW-8	July/Aug 2004	MW-8	NA	NA	<b>9.8 J</b>	0.01 U	1.19
MW-9	April/May 2003	MW-9	<b>2.1 J</b>	<b>0.5 J</b>	<b>4.3</b>	0.01 U	8.99
MW-9	Oct/Nov 2003	MW-9	NA	NA	<b>5.5 J</b>	0.01 U	5.40
MW-9	April/May 2004	MW-9	5.0 U	<b>1.9</b>	<b>9.2</b>	0.01 U	22.00
MW-10	Jan/Feb 2003	MW-10	NA	NA	<b>11.0</b>	0.01 U	0.05
MW-10	April/May 2003	MW-10	5.0 U	<b>0.2 J</b>	<b>8.1 J</b>	0.01 U	0.18
MW-10	July/Aug 2003	MW-10	NA	NA	<b>11.0 J</b>	0.01 U	14.00
MW-10	Oct/Nov 2003	MW-10	NA	NA	<b>7.6 J</b>	0.01 U	0.05
MW-10	Feb 2004	MW-10	NA	NA	<b>24.0</b>	0.01 U	0.15
MW-10	April/May 2004	MW-10	5.0 U	0.009 U	<b>21.3</b>	0.01 U	3.50
MW-10	July/Aug 2004	MW-10	NA	NA	<b>24.2 J</b>	0.01 U	1.01
MW-10	July/Aug 2004	DUPE-6-3Q04	NA	NA	<b>23.8 J</b>	0.01 U	1.01
MW-11 Screen 1	Jan/Feb 2003	MW-11-1	NA	NA	<b>2.6</b>	0.01 U	0.10

**TABLE 3-7**  
**SUMMARY OF METALS DETECTED DURING THE**  
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**BEGINNING JANUARY 2003**

Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Event	Sample Number	Arsenic (ug/L)	Lead (ug/L)	Total Chromium (ug/L)	Hexavalent Chromium (mg/L)	Field Turbidity (NTU)
MW-11 Screen 1	April/May 2003	MW-11-1	5.0 U	1.0 U	1.3	0.01 U	0.36
MW-11 Screen 1	July/Aug 2003	MW-11-1	NA	NA	2.0 J	0.01 U	0.45
MW-11 Screen 1	Oct/Nov 2003	MW-11-1	NA	NA	2.0 J	0.01 U	0.35
MW-11 Screen 1	Feb 2004	MW-11-1	NA	NA	3.7	0.01 U	0.45
MW-11 Screen 1	April/May 2004	MW-11-1	5.0 U	0.027 U	7.4	0.01 U	4.00
MW-11 Screen 1	July/Aug 2004	MW-11-1	NA	NA	10.1	0.01 U	5.77
MW-11 Screen 2	Jan/Feb 2003	MW-11-2	NA	NA	2.3	0.01 U	4.58
MW-11 Screen 2	April/May 2003	MW-11-2	5.0 U	1.0 U	0.8 J	0.01 U	1.81
MW-11 Screen 2	July/Aug 2003	MW-11-2	NA	NA	1.5 J	0.01 U	1.40
MW-11 Screen 2	Oct/Nov 2003	MW-11-2	NA	NA	1.0 UJ	0.01 U	5.10
MW-11 Screen 2	Feb 2004	MW-11-2	NA	NA	3.4	0.01 U	2.40
MW-11 Screen 2	April/May 2004	MW-11-2	5.0 U	0.12 U	5.7	0.01 U	8.30
MW-11 Screen 2	July/Aug 2004	MW-11-2	NA	NA	9.1	0.01 U	3.57
MW-11 Screen 3	Jan/Feb 2003	MW-11-3	NA	NA	2.3	0.01 U	20.00
MW-11 Screen 3	April/May 2003	MW-11-3	5.0 U	1.0 U	1.5	0.01 U	23.50
MW-11 Screen 3	July/Aug 2003	MW-11-3	NA	NA	2.3 J	0.01 U	95.00
MW-11 Screen 3	Oct/Nov 2003	MW-11-3	NA	NA	3.4 J	0.01 U	1.80
MW-11 Screen 3	Feb 2004	MW-11-3	NA	NA	4.0	0.01 U	17.00
MW-11 Screen 3	April/May 2004	MW-11-3	5.0 U	0.055 U	1.1 U	0.01 U	55.00
MW-11 Screen 3	April/May 2004	DUPE-5-2Q04	5.0 U	0.049 U	0.7 U	0.005 J	55.00
MW-11 Screen 3	July/Aug 2004	MW-11-3	NA	NA	9.6	0.01 U	22.10
MW-11 Screen 4	Jan/Feb 2003	MW-11-4	NA	NA	NA	0.01 U	0.99
MW-11 Screen 4	April/May 2003	MW-11-4	5.0 U	1.0 U	0.3 J	0.01 U	0.08
MW-11 Screen 4	Oct/Nov 2003	MW-11-4	NA	NA	0.8 UJ	0.01 U	0.40
MW-11 Screen 4	April/May 2004	MW-11-4	5.0 U	0.005 J	2.2	0.004 J	3.60
MW-11 Screen 5	April/May 2003	MW-11-5	5.0 U	1.0 U	1.1	0.01 U	1.74
MW-11 Screen 5	Oct/Nov 2003	MW-11-5	NA	NA	1.5 J	0.01 U	2.00
MW-11 Screen 5	April/May 2004	MW-11-5	5.0 U	0.099 U	0.7 U	0.004 J	70.00
MW-12 Screen 1	Jan/Feb 2003	MW-12-1	NA	NA	6.0	0.01 U	5.32
MW-12 Screen 1	April/May 2003	MW-12-1	5.0 U	1.0 U	9.7	0.01 U	7.52
MW-12 Screen 1	July/Aug 2003	MW-12-1	NA	NA	8.0 J	0.01 U	7.90
MW-12 Screen 1	Oct/Nov 2003	MW-12-1	NA	NA	8.1 J	0.01 U	3.90
MW-12 Screen 1	Oct/Nov 2003	DUPE-4-4-Q03	NA	NA	8.4 J	0.01 U	8.40
MW-12 Screen 1	Feb 2004	MW-12-1	NA	NA	9.5	0.01 U	29.90
MW-12 Screen 1	April/May 2004	MW-12-1	5.0 U	0.043 U	2.6	0.004 J	6.60
MW-12 Screen 1	July/Aug 2004	MW-12-1	NA	NA	11.7	0.01 U	9.21
MW-12 Screen 2	Jan/Feb 2003	MW-12-2	NA	NA	3.8	0.01 U	1.46
MW-12 Screen 2	Jan/Feb 2003	DUPE-4-1Q03	NA	NA	4.0	0.01 U	1.46
MW-12 Screen 2	April/May 2003	MW-12-2	5.0 U	1.0 U	2.9	0.01 U	1.16
MW-12 Screen 2	July/Aug 2003	MW-12-2	NA	NA	3.8 J	0.01 U	1.30
MW-12 Screen 2	Oct/Nov 2003	MW-12-2	NA	NA	2.9 J	0.01 U	1.50
MW-12 Screen 2	Feb 2004	MW-12-2	NA	NA	4.4	0.01 U	30.50
MW-12 Screen 2	April/May 2004	MW-12-2	5.0 U	0.12 U	10.9	0.01 U	2.00
MW-12 Screen 2	July/Aug 2004	MW-12-2	NA	NA	12.0	0.01 U	7.26
MW-12 Screen 3	Jan/Feb 2003	MW-12-3	NA	NA	2.5	0.01 U	3.46
MW-12 Screen 3	April/May 2003	MW-12-3	5.0 U	1.0 U	1.3	0.01 U	0.46
MW-12 Screen 3	April/May 2003	DUPE-6-2Q03	5.0 U	1.0 U	1.3	0.01 U	0.46
MW-12 Screen 3	July/Aug 2003	MW-12-3	NA	NA	2.4 J	0.01 U	0.60
MW-12 Screen 3	Oct/Nov 2003	MW-12-3	NA	NA	1.6 UJ	0.01 U	2.30
MW-12 Screen 3	Feb 2004	MW-12-3	NA	NA	0.7 U	0.01 U	26.10
MW-12 Screen 3	April/May 2004	MW-12-3	5.0 U	0.014 U	6.2	0.01 U	2.60
MW-12 Screen 3	July/Aug 2004	MW-12-3	NA	NA	6.5	0.01 U	6.76
MW-12 Screen 4	Jan/Feb 2003	MW-12-4	NA	NA	NA	0.01 U	0.22
MW-12 Screen 4	April/May 2003	MW-12-4	5.0 U	1.0 U	1.3	0.01 U	0.31
MW-12 Screen 4	Oct/Nov 2003	MW-12-4	NA	NA	2.8 J	0.01 U	0.40



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**BEGINNING JANUARY 2003**

Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Event	Sample Number	Arsenic (ug/L)	Lead (ug/L)	Total Chromium (ug/L)	Hexavalent Chromium (mg/L)	Field Turbidity (NTU)
MW-12 Screen 4	April/May 2004	MW-12-4	5.0 U	0.12 U	9.0	0.01 U	1.30
MW-12 Screen 4	April/May 2004	DUPE-4-2Q04	5.0 U	0.001 J	8.2	0.004 J	1.30
MW-12 Screen 5	Jan/Feb 2003	MW-12-5	NA	NA	NA	0.01 U	7.08
MW-12 Screen 5	April/May 2003	MW-12-5	5.0 U	1.0 U	1.2	0.01 U	1.53
MW-12 Screen 5	Oct/Nov 2003	MW-12-5	NA	NA	4.7 J	0.01 U	21.00
MW-12 Screen 5	April/May 2004	MW-12-5	5.0 U	0.048 U	1.8	0.005 J	16.00
MW-13	Jan/Feb 2003	MW-13	NA	NA	90.0	0.055	0.18
MW-13	April/May 2003	MW-13	5.0 U	1.0 U	16.0 J	0.024	0.92
MW-13	July/Aug 2003	MW-13	NA	NA	8.5 J	0.01 U	4.00
MW-13	Oct/Nov 2003	MW-13	NA	NA	18.0 J	0.020	0.00
MW-13	Feb 2004	MW-13	NA	NA	63.0	0.052	3.87
MW-13	April/May 2004	MW-13	5.0 U	0.12 U	31.5	0.024	1.20
MW-13	July/Aug 2004	MW-13	NA	NA	26.1 J	0.011	1.88
MW-14 Screen 1	Jan/Feb 2003	MW-14-1	NA	NA	3.5	0.01 U	7.24
MW-14 Screen 1	April/May 2003	MW-14-1	5.0 U	1.0 U	4.6 J	0.01 U	0.15
MW-14 Screen 1	July/Aug 2003	MW-14-1	NA	NA	3.9 J	0.01 U	2.10
MW-14 Screen 1	Oct/Nov 2003	MW-14-1	NA	NA	0.0 UJ	0.01 U	15.00
MW-14 Screen 1	Feb 2004	MW-14-1	NA	NA	4.4	0.01 U	3.00
MW-14 Screen 1	Feb 2004	DUPE-3-1Q04	NA	NA	5.3	0.01 U	4.10
MW-14 Screen 1	April/May 2004	MW-14-1	5.0 UJ	0.12 U	15.0	0.01 U	11.00
MW-14 Screen 1	July/Aug 2004	MW-14-1	NA	NA	12.8 J	0.01 U	8.06
MW-14 Screen 2	Jan/Feb 2003	MW-14-2	NA	NA	3.7	0.01 U	0.09
MW-14 Screen 2	April/May 2003	MW-14-2	5.0 U	1.0 U	4.4 J	0.01 U	0.11
MW-14 Screen 2	July/Aug 2003	MW-14-2	NA	NA	1.9 J	0.01 U	0.10
MW-14 Screen 2	Oct/Nov 2003	MW-14-2	NA	NA	2.3 J	0.01 U	2.20
MW-14 Screen 2	Feb 2004	MW-14-2	NA	NA	2.9	0.01 U	0.55
MW-14 Screen 2	April/May 2004	MW-14-2	2.6 UJ	0.12 U	11.0	0.01 U	1.80
MW-14 Screen 2	July/Aug 2004	MW-14-2	NA	NA	6.9 J	0.01 U	4.66
MW-14 Screen 3	Jan/Feb 2003	MW-14-3	NA	NA	3.6	0.01 U	0.34
MW-14 Screen 3	April/May 2003	MW-14-3	5.0 U	1.0 U	3.2 J	0.01 U	0.17
MW-14 Screen 3	April/May 2003	DUPE-2-2Q03	5.0 U	1.0 U	2.6 J	0.01 U	0.17
MW-14 Screen 3	July/Aug 2003	MW-14-3	NA	NA	3.6 J	0.01 U	0.00
MW-14 Screen 3	July/Aug 2003	DUPE-4-3-Q03	NA	NA	3.4 J	0.01 U	0.75
MW-14 Screen 3	Oct/Nov 2003	MW-14-3	NA	NA	2.7 J	0.01 U	0.45
MW-14 Screen 3	Feb 2004	MW-14-3	NA	NA	3.9	0.01 U	1.40
MW-14 Screen 3	April/May 2004	MW-14-3	2.9 UJ	0.12 U	10.1	0.01 U	1.50
MW-14 Screen 3	July/Aug 2004	MW-14-3	NA	NA	5.2 J	0.01 U	2.17
MW-14 Screen 4	Jan/Feb 2003	MW-14-4	NA	NA	NA	0.01 U	0.17
MW-14 Screen 4	Jan/Feb 2003	DUPE-3-1Q03	NA	NA	NA	0.01 U	0.17
MW-14 Screen 4	April/May 2003	MW-14-4	5.0 U	1.0 U	3.8 J	0.01 U	0.14
MW-14 Screen 4	July/Aug 2003	MW-14-4	NA	NA	1.6 J	0.01 U	1.10
MW-14 Screen 4	Oct/Nov 2003	MW-14-4	NA	NA	3.7 J	0.01 U	0.05
MW-14 Screen 4	April/May 2004	MW-14-4	5.0 UJ	0.12 U	9.2	0.01 U	0.55
MW-14 Screen 5	Jan/Feb 2003	MW-14-5	NA	NA	NA	0.01 U	3.83
MW-14 Screen 5	April/May 2003	MW-14-5	5.0 U	1.0 U	2.1 J	0.01 U	0.35
MW-14 Screen 5	Oct/Nov 2003	MW-14-5	NA	NA	1.8 UJ	0.01 U	1.70
MW-14 Screen 5	April/May 2004	MW-14-5	3.2 UJ	0.12 U	5.8	0.01 U	4.60
MW-15	Jan/Feb 2003	MW-15	NA	NA	6.3	0.01 U	1.23
MW-15	April/May 2003	MW-15	2.1 J	0.2 J	3.9 J	0.01 U	4.61
MW-15	July/Aug 2003	MW-15	NA	NA	3.9 J	0.01 U	19.00
MW-15	July/Aug 2003	Dupe-6-3-Q03	NA	NA	3.6 J	0.01 U	14.60
MW-15	Oct/Nov 2003	MW-15	NA	NA	3.4 J	0.01 U	1.20
MW-15	Oct/Nov 2003	DUPE-2-4-Q03	NA	NA	3.4 J	0.01 U	1.20
MW-15	Feb 2004	MW-15	NA	NA	1.3	0.01 U	0.32
MW-15	April/May 2004	MW-15	3.2 U	0.036 J	12.1	0.01 U	3.10

**TABLE 3-7**  
**SUMMARY OF METALS DETECTED DURING THE**  
**LONG-TERM QUARTERLY GROUNDWATER SAMPLING PROGRAM**  
**BEGINNING JANUARY 2003**

Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Event	Sample Number	Arsenic (ug/L)	Lead (ug/L)	Total Chromium (ug/L)	Hexavalent Chromium (mg/L)	Field Turbidity (NTU)
MW-15	April/May 2004	DUPE-6-2Q04	5.0 U	<b>0.049 J</b>	<b>11.6</b>	0.01 U	3.10
MW-15	July/Aug 2004	MW-15	NA	NA	<b>12.6 J</b>	0.01 U	1.35
MW-16	Jan/Feb 2003	MW-16	NA	NA	<b>7.2</b>	0.01 U	0.06
MW-16	April/May 2003	MW-16	5.0 U	1.0 U	<b>4.5 J</b>	0.01 U	0.11
MW-16	July/Aug 2003	MW-16	NA	NA	<b>2.7 J</b>	0.01 U	2.90
MW-16	Oct/Nov 2003	MW-16	NA	NA	<b>3.3 J</b>	0.01 U	0.00
MW-16	Feb 2004	MW-7	NA	NA	<b>8.2</b>	0.01 U	0.15
MW-16	April/May 2004	MW-16	1.7 U	0.12 U	<b>9.2</b>	0.01 U	2.20
MW-16	July/Aug 2004	MW-16	NA	NA	<b>9.1 J</b>	0.01 U	0.90
MW-17 Screen 1	April/May 2003	MW-17-1	5.0 U	1.0 U	<b>2.9</b>	0.01 U	0.28
MW-17 Screen 1	Oct/Nov 2003	MW-17-1	NA	NA	<b>2.1 J</b>	0.01 U	2.70
MW-17 Screen 1	April/May 2004	MW-17-1	5.0 U	0.12 U	<b>7.3</b>	0.01 U	0.70
MW-17 Screen 2	Jan/Feb 2003	MW-17-2	NA	NA	<b>2.1</b>	0.01 U	4.82
MW-17 Screen 2	April/May 2003	MW-17-2	5.0 U	<b>0.1 J</b>	<b>2.0</b>	0.01 U	1.02
MW-17 Screen 2	July/Aug 2003	MW-17-2	NA	NA	<b>2.6 J</b>	0.01 U	2.30
MW-17 Screen 2	Oct/Nov 2003	MW-17-2	NA	NA	<b>2.8 J</b>	0.01 U	1.90
MW-17 Screen 2	Feb 2004	MW-17-2	NA	NA	<b>3.2</b>	0.01 U	34.40
MW-17 Screen 2	April/May 2004	MW-17-2	5.0 U	0.009 U	<b>7.6</b>	0.01 U	1.50
MW-17 Screen 2	July/Aug 2004	MW-17-2	NA	NA	<b>10.0</b>	0.01 U	6.21
MW-17 Screen 3	Jan/Feb 2003	MW-17-3	NA	NA	<b>3.8</b>	0.01 U	7.56
MW-17 Screen 3	April/May 2003	MW-17-3	5.0 U	<b>0.2 J</b>	<b>3.0</b>	0.01 U	8.98
MW-17 Screen 3	July/Aug 2003	MW-17-3	NA	NA	<b>4.0 J</b>	0.01 U	16.30
MW-17 Screen 3	Oct/Nov 2003	MW-17-3	NA	NA	<b>3.8 J</b>	0.01 U	11.00
MW-17 Screen 3	Oct/Nov 2003	DUPE-5-4-Q03	NA	NA	<b>3.7 J</b>	0.01 U	13.00
MW-17 Screen 3	Feb 2004	MW-17-3	NA	NA	<b>3.6</b>	0.01 U	27.60
MW-17 Screen 3	April/May 2004	MW-17-3	<b>2.5 J</b>	<b>0.001 J</b>	<b>8.1</b>	0.01 U	11.00
MW-17 Screen 3	July/Aug 2004	MW-17-3	NA	NA	<b>10.3</b>	0.01 U	8.81
MW-17 Screen 4	Jan/Feb 2003	MW-17-4	NA	NA	<b>2.5</b>	0.01 U	2.30
MW-17 Screen 4	April/May 2003	MW-17-4	<b>2.2 J</b>	<b>0.2 J</b>	<b>2.2</b>	0.01 U	3.57
MW-17 Screen 4	July/Aug 2003	MW-17-4	NA	NA	<b>1.9 J</b>	0.01 U	2.03
MW-17 Screen 4	Oct/Nov 2003	MW-17-4	NA	NA	1.5 UJ	0.01 U	1.60
MW-17 Screen 4	Feb 2004	MW-17-4	NA	NA	<b>2.1</b>	0.01 U	31.80
MW-17 Screen 4	April/May 2004	MW-17-4	<b>3.9 J</b>	<b>0.14</b>	<b>5.6</b>	0.01 U	2.80
MW-17 Screen 4	July/Aug 2004	MW-17-4	NA	NA	<b>5.7</b>	0.01 U	6.00
MW-17 Screen 5	April/May 2003	MW-17-5	<b>3.2 J</b>	<b>0.6 J</b>	<b>1.6</b>	0.01 U	331.00
MW-17 Screen 5	Oct/Nov 2003	MW-17-5	NA	NA	1.7 UJ	0.01 U	65.00
MW-17 Screen 5	April/May 2004	MW-17-5	<b>12.0 J</b>	<b>73.3</b>	<b>8.3</b>	0.01 U	999.00
MW-18 Screen 1	April/May 2003	MW-18-1	5.0 UJ	1.0 U	0.4 UJ	0.01 U	0.18
MW-18 Screen 1	Oct/Nov 2003	MW-18-1	NA	NA	1.5 U	0.01 U	0.50
MW-18 Screen 1	April/May 2004	MW-18-1	5.0 U	0.12 U	<b>8.4 J</b>	0.01 U	2.30
MW-18 Screen 2	Jan/Feb 2003	MW-18-2	NA	NA	<b>3.6</b>	0.01 U	1.30
MW-18 Screen 2	April/May 2003	MW-18-2	5.0 UJ	1.0 U	1.0 UJ	0.01 U	0.54
MW-18 Screen 2	July/Aug 2003	MW-18-2	NA	NA	<b>2.1 J</b>	0.01 U	4.30
MW-18 Screen 2	Oct/Nov 2003	MW-18-2	NA	NA	1.9 U	0.01 U	1.20
MW-18 Screen 2	Feb 2004	MW-18-2	NA	NA	<b>3.5</b>	0.01 U	1.00
MW-18 Screen 2	April/May 2004	MW-18-2	5.0 U	0.12 U	<b>9.3 J</b>	0.01 U	1.80
MW-18 Screen 2	July/Aug 2004	MW-18-2	NA	NA	<b>4.6 J</b>	0.01 U	8.83
MW-18 Screen 3	Jan/Feb 2003	MW-18-3	NA	NA	<b>7.8</b>	0.01 U	0.12
MW-18 Screen 3	April/May 2003	MW-18-3	5.0 UJ	1.0 U	<b>5.4 J</b>	0.01 U	0.22
MW-18 Screen 3	July/Aug 2003	MW-18-3	NA	NA	<b>5.9 J</b>	0.01 U	0.00
MW-18 Screen 3	Oct/Nov 2003	MW-18-3	NA	NA	<b>5.9</b>	0.01 U	0.35
MW-18 Screen 3	Feb 2004	MW-18-3	NA	NA	<b>8.6</b>	0.01 U	0.00
MW-18 Screen 3	April/May 2004	MW-18-3	5.0 U	0.12 U	<b>15.5 J</b>	0.01 U	0.10
MW-18 Screen 3	July/Aug 2004	MW-18-3	NA	NA	<b>9.3 J</b>	0.01 U	1.31
MW-18 Screen 4	Jan/Feb 2003	MW-18-4	NA	NA	<b>4.1</b>	0.01 U	1.19

**TABLE 3-7**  
**SUMMARY OF METALS DETECTED DURING THE**  
**LONG-TERM QUARTERLY GROUNDWATER SAMPLING PROGRAM**  
**BEGINNING JANUARY 2003**

Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Event	Sample Number	Arsenic (ug/L)	Lead (ug/L)	Total Chromium (ug/L)	Hexavalent Chromium (mg/L)	Field Turbidity (NTU)
MW-18 Screen 4	April/May 2003	MW-18-4	5.0 UJ	<b>0.1 J</b>	<b>2.0 J</b>	0.01 U	0.44
MW-18 Screen 4	April/May 2003	DUPE-7-2Q03	5.0 UJ	<b>0.1 J</b>	<b>2.2 J</b>	0.01 U	0.44
MW-18 Screen 4	July/Aug 2003	MW-18-4	NA	NA	<b>2.7 J</b>	0.01 U	34.30
MW-18 Screen 4	Oct/Nov 2003	MW-18-4	NA	NA	2.6 U	0.01 U	2.80
MW-18 Screen 4	Feb 2004	MW-18-4	NA	NA	<b>5.4</b>	0.01 U	2.80
MW-18 Screen 4	April/May 2004	MW-18-4	5.0 U	0.12 U	<b>6.9 J</b>	0.01 U	1.80
MW-18 Screen 4	July/Aug 2004	MW-18-4	NA	NA	<b>5.4 J</b>	0.01 U	5.28
MW-18 Screen 5	Jan/Feb 2003	MW-18-5	NA	NA	NA	0.01 U	0.67
MW-18 Screen 5	April/May 2003	MW-18-5	5.0 UJ	1.0 U	0.4 UJ	0.01 U	0.14
MW-18 Screen 5	Oct/Nov 2003	MW-18-5	NA	NA	1.0 U	0.01 U	1.20
MW-18 Screen 5	April/May 2004	MW-18-5	5.0 U	0.12 U	<b>6.1 J</b>	0.01 U	1.00
MW-19 Screen 1	Jan/Feb 2003	MW-19-1	NA	NA	NA	0.01 U	74.20
MW-19 Screen 1	April/May 2003	MW-19-1	5.0 U	1.0 U	<b>1.7 J</b>	0.01 U	28.30
MW-19 Screen 1	Oct/Nov 2003	MW-19-1	NA	NA	1.2 U	0.01 U	46.90
MW-19 Screen 1	April/May 2004	MW-19-1	5.0 U	<b>0.23</b>	0.6 U	0.01 U	28.00
MW-19 Screen 2	Jan/Feb 2003	MW-19-2	NA	NA	NA	0.01 U	8.71
MW-19 Screen 2	April/May 2003	MW-19-2	5.0 U	1.0 U	<b>4.2 J</b>	0.01 U	6.23
MW-19 Screen 2	Oct/Nov 2003	MW-19-2	NA	NA	<b>4.0</b>	0.01 U	38.90
MW-19 Screen 2	April/May 2004	MW-19-2	5.0 U	<b>0.001 J</b>	<b>10.0</b>	0.01 U	10.00
MW-19 Screen 3	Jan/Feb 2003	MW-19-3	NA	NA	NA	0.01 U	7.07
MW-19 Screen 3	April/May 2003	MW-19-3	5.0 U	1.0 U	<b>5.0 J</b>	0.01 U	3.03
MW-19 Screen 3	Oct/Nov 2003	MW-19-3	NA	NA	<b>4.3 J</b>	0.01 U	8.61
MW-19 Screen 3	April/May 2004	MW-19-3	5.0 U	0.12 U	<b>10.7</b>	0.01 U	3.60
MW-19 Screen 4	Jan/Feb 2003	MW-19-4	NA	NA	NA	0.01 U	1.47
MW-19 Screen 4	Jan/Feb 2003	DUPE-2-1Q03	NA	NA	NA	0.01 U	1.47
MW-19 Screen 4	April/May 2003	MW-19-4	5.0 U	1.0 U	<b>2.4 J</b>	0.01 U	0.54
MW-19 Screen 4	Oct/Nov 2003	MW-19-4	NA	NA	2.4 U	0.01 U	1.12
MW-19 Screen 4	April/May 2004	MW-19-4	5.0 U	0.12 U	<b>7.3</b>	0.01 U	1.20
MW-19 Screen 5	Jan/Feb 2003	MW-19-5	NA	NA	NA	0.01 U	8.01
MW-19 Screen 5	April/May 2003	MW-19-5	5.0 U	1.0 U	<b>2.5 J</b>	0.01 U	3.84
MW-19 Screen 5	Oct/Nov 2003	MW-19-5	NA	NA	1.8 U	0.01 U	13.70
MW-19 Screen 5	April/May 2004	MW-19-5	5.0 U	0.12 U	<b>5.4</b>	0.01 U	6.10
MW-20 Screen 1	Jan/Feb 2003	MW-20-1	NA	NA	<b>2.8</b>	0.01 U	0.41
MW-20 Screen 1	Jan/Feb 2003	DUPE-1-1Q03	NA	NA	<b>2.5</b>	0.01 U	0.41
MW-20 Screen 1	April/May 2003	MW-20-1	5.0 U	1.0 U	<b>2.4 J</b>	0.01 U	0.12
MW-20 Screen 1	April/May 2003	DUPE-3-2Q03	5.0 U	1.0 U	<b>2.1 J</b>	0.01 U	0.12
MW-20 Screen 1	July/Aug 2003	MW-20-1	NA	NA	<b>1.8 J</b>	0.01 U	1.02
MW-20 Screen 1	Oct/Nov 2003	MW-20-1	NA	NA	<b>1.9 J</b>	0.01 U	1.50
MW-20 Screen 1	Feb 2004	MW-20-1	NA	NA	<b>3.2</b>	0.01 U	0.00
MW-20 Screen 1	April/May 2004	MW-20-1	5.0 U	0.12 U	<b>6.6 J</b>	0.01 U	1.40
MW-20 Screen 1	July/Aug 2004	MW-20-1	NA	NA	<b>10.5</b>	0.01 U	7.15
MW-20 Screen 2	Jan/Feb 2003	MW-20-2	NA	NA	<b>2.2</b>	0.01 U	0.11
MW-20 Screen 2	April/May 2003	MW-20-2	5.0 U	1.0 U	<b>2.1 J</b>	0.01 U	0.06
MW-20 Screen 2	July/Aug 2003	MW-20-2	NA	NA	<b>1.5 J</b>	0.01 U	0.12
MW-20 Screen 2	Oct/Nov 2003	MW-20-2	NA	NA	1.3 UJ	0.01 U	0.00
MW-20 Screen 2	Oct/Nov 2003	DUPE-6-4-Q03	NA	NA	1.4 UJ	0.01 U	0.35
MW-20 Screen 2	Feb 2004	MW-20-2	NA	NA	<b>2.6</b>	0.01 U	0.50
MW-20 Screen 2	April/May 2004	MW-20-2	5.0 U	0.12 U	<b>5.1 J</b>	0.01 U	0.40
MW-20 Screen 2	July/Aug 2004	MW-20-2	NA	NA	<b>0.9</b>	0.01 U	5.19
MW-20 Screen 3	Jan/Feb 2003	MW-20-3	NA	NA	1.7 U	0.01 U	0.31
MW-20 Screen 3	April/May 2003	MW-20-3	5.0 U	1.0 U	<b>4.2 J</b>	0.01 U	0.08
MW-20 Screen 3	July/Aug 2003	MW-20-3	NA	NA	<b>4.0 J</b>	0.01 U	0.25
MW-20 Screen 3	July/Aug 2003	DUPE-2-3-Q03	NA	NA	<b>4.0 J</b>	0.01 U	0.00
MW-20 Screen 3	Oct/Nov 2003	MW-20-3	NA	NA	<b>2.9 J</b>	0.01 U	0.20
MW-20 Screen 3	Feb 2004	MW-20-3	NA	NA	<b>4.2</b>	0.01 U	0.85

**TABLE 3-7**  
**SUMMARY OF METALS DETECTED DURING THE**  
**LONG-TERM QUARTERLY GROUNDWATER SAMPLING PROGRAM**  
**BEGINNING JANUARY 2003**

Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Event	Sample Number	Arsenic (ug/L)	Lead (ug/L)	Total Chromium (ug/L)	Hexavalent Chromium (mg/L)	Field Turbidity (NTU)
MW-20 Screen 3	April/May 2004	MW-20-3	<b>2.5 J</b>	0.12 U	<b>10.5 J</b>	0.01 U	0.30
MW-20 Screen 3	July/Aug 2004	MW-20-3	NA	NA	<b>12.7</b>	0.01 U	5.94
MW-20 Screen 4	Jan/Feb 2003	MW-20-4	NA	NA	<b>2.4</b>	0.01 U	5.14
MW-20 Screen 4	April/May 2003	MW-20-4	5.0 U	1.0 U	<b>2.2 J</b>	0.01 U	0.85
MW-20 Screen 4	July/Aug 2003	MW-20-4	NA	NA	<b>1.9 J</b>	0.01 U	10.35
MW-20 Screen 4	Oct/Nov 2003	MW-20-4	NA	NA	<b>1.6 J</b>	0.01 U	4.40
MW-20 Screen 4	Feb 2004	MW-20-4	NA	NA	<b>2.7</b>	0.01 U	13.00
MW-20 Screen 4	April/May 2004	MW-20-4	5.0 U	0.12 U	<b>6.5 J</b>	0.01 U	11.00
MW-20 Screen 4	July/Aug 2004	MW-20-4	NA	NA	<b>6.2</b>	0.01 U	9.54
MW-20 Screen 5	Jan/Feb 2003	MW-20-5	NA	NA	<b>2.7</b>	0.01 U	0.87
MW-20 Screen 5	April/May 2003	MW-20-5	5.0 U	1.0 U	<b>1.7 J</b>	0.01 U	0.13
MW-20 Screen 5	July/Aug 2003	MW-20-5	NA	NA	<b>1.6 J</b>	0.01 U	0.21
MW-20 Screen 5	Oct/Nov 2003	MW-20-5	NA	NA	1.3 UJ	0.01 U	0.15
MW-20 Screen 5	Feb 2004	MW-20-5	NA	NA	<b>2.8</b>	0.01 U	0.70
MW-20 Screen 5	April/May 2004	MW-20-5	5.0 U	0.12 U	<b>4.5 J</b>	0.01 U	0.50
MW-20 Screen 5	July/Aug 2004	MW-20-5	NA	NA	<b>6.8</b>	0.01 U	5.93
MW-21 Screen 1	Jan/Feb 2003	MW-21-1	NA	NA	<b>4.8</b>	0.01 U	1.64
MW-21 Screen 1	April/May 2003	MW-21-1	5.0 U	1.0 U	<b>3.5 J</b>	0.01 U	2.74
MW-21 Screen 1	July/Aug 2003	MW-21-1	NA	NA	<b>3.8 J</b>	0.01 U	0.18
MW-21 Screen 1	Oct/Nov 2003	MW-21-1	NA	NA	<b>3.0 J</b>	0.01 U	6.80
MW-21 Screen 1	Feb 2004	MW-21-1	NA	NA	<b>5.1</b>	0.01 U	4.20
MW-21 Screen 1	April/May 2004	MW-21-1	5.0 U	0.12 U	<b>10.9</b>	0.01 U	3.20
MW-21 Screen 1	July/Aug 2004	MW-21-1	NA	NA	<b>5.3 J</b>	0.01 U	8.46
MW-21 Screen 2	Jan/Feb 2003	MW-21-2	NA	NA	<b>6.7</b>	0.01 U	0.63
MW-21 Screen 2	April/May 2003	MW-21-2	5.0 U	1.0 U	<b>4.8 J</b>	0.01 U	0.93
MW-21 Screen 2	July/Aug 2003	MW-21-2	NA	NA	<b>4.2 J</b>	0.01 U	0.15
MW-21 Screen 2	Oct/Nov 2003	MW-21-2	NA	NA	<b>4.5 J</b>	0.01 U	1.30
MW-21 Screen 2	Feb 2004	MW-21-2	NA	NA	<b>5.0</b>	0.01 U	1.60
MW-21 Screen 2	April/May 2004	MW-21-2	5.0 U	<b>0.013 J</b>	<b>11.7</b>	0.01 U	4.50
MW-21 Screen 2	July/Aug 2004	MW-21-2	NA	NA	<b>7.8 J</b>	0.01 U	2.65
MW-21 Screen 3	Jan/Feb 2003	MW-21-3	NA	NA	<b>5.9</b>	0.01 U	1.07
MW-21 Screen 3	April/May 2003	MW-21-3	5.0 U	1.0 U	<b>3.7 J</b>	0.01 U	0.31
MW-21 Screen 3	July/Aug 2003	MW-21-3	NA	NA	<b>3.7 J</b>	0.01 U	0.59
MW-21 Screen 3	Oct/Nov 2003	MW-21-3	NA	NA	<b>4.1 J</b>	0.01 U	1.40
MW-21 Screen 3	Feb 2004	MW-21-3	NA	NA	<b>4.4</b>	0.01 U	1.50
MW-21 Screen 3	April/May 2004	MW-21-3	5.0 U	0.12 U	<b>12.2</b>	0.01 U	1.80
MW-21 Screen 3	July/Aug 2004	MW-21-3	NA	NA	<b>8.2 J</b>	0.01 U	3.21
MW-21 Screen 4	Jan/Feb 2003	MW-21-4	NA	NA	<b>4.7</b>	0.01 U	0.36
MW-21 Screen 4	April/May 2003	MW-21-4	<b>2.2 J</b>	1.0 U	<b>3.8 J</b>	0.01 U	0.24
MW-21 Screen 4	July/Aug 2003	MW-21-4	NA	NA	<b>4.0 J</b>	0.01 U	0.55
MW-21 Screen 4	Oct/Nov 2003	MW-21-4	NA	NA	<b>4.3 J</b>	0.01 U	0.25
MW-21 Screen 4	Feb 2004	MW-21-4	NA	NA	<b>5.3</b>	0.01 U	0.45
MW-21 Screen 4	April/May 2004	MW-21-4	5.0 U	0.12 U	<b>8.3</b>	0.01 U	0.90
MW-21 Screen 4	July/Aug 2004	MW-21-4	NA	NA	<b>6.9 J</b>	0.01 U	1.39
MW-21 Screen 5	Jan/Feb 2003	MW-21-5	NA	NA	<b>5.7</b>	0.01 U	1.31
MW-21 Screen 5	April/May 2003	MW-21-5	5.0 U	1.0 U	<b>2.7 J</b>	0.01 U	0.06
MW-21 Screen 5	July/Aug 2003	MW-21-5	NA	NA	<b>2.9 J</b>	0.01 U	1.17
MW-21 Screen 5	Oct/Nov 2003	MW-21-5	NA	NA	<b>4.0 J</b>	0.01 U	3.00
MW-21 Screen 5	Feb 2004	MW-21-5	NA	NA	<b>5.0</b>	0.01 U	1.40
MW-21 Screen 5	April/May 2004	MW-21-5	5.0 U	<b>0.026 J</b>	<b>8.3</b>	0.01 U	4.90
MW-21 Screen 5	July/Aug 2004	MW-21-5	NA	NA	<b>6.0 J</b>	0.01 U	6.45
MW-22 Screen 1	Jan/Feb 2003	MW-22-1	NA	NA	<b>4.1</b>	0.01 U	18.30
MW-22 Screen 1	April/May 2003	MW-22-1	5.0 U	1.0 U	<b>1.9 J</b>	0.01 U	0.17
MW-22 Screen 1	July/Aug 2003	MW-22-1	NA	NA	<b>4.2 J</b>	0.01 U	5.60
MW-22 Screen 1	Oct/Nov 2003	MW-22-1	NA	NA	<b>3.0 J</b>	0.01 U	19.00

**TABLE 3-7**  
**SUMMARY OF METALS DETECTED DURING THE**  
**LONG-TERM QUARTERLY GROUNDWATER SAMPLING PROGRAM**  
**BEGINNING JANUARY 2003**

Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Event	Sample Number	Arsenic (ug/L)	Lead (ug/L)	Total Chromium (ug/L)	Hexavalent Chromium (mg/L)	Field Turbidity (NTU)
MW-22 Screen 1	Feb 2004	MW-22-1	NA	NA	<b>6.8</b>	0.01 U	11.00
MW-22 Screen 1	April/May 2004	MW-22-1	5.0 UJ	0.02 U	<b>10.3</b>	0.01 U	15.00
MW-22 Screen 1	July/Aug 2004	MW-22-1	NA	NA	<b>7.3 J</b>	0.01 U	60.90
MW-22 Screen 2	Jan/Feb 2003	MW-22-2	NA	NA	<b>3.5</b>	0.01 U	0.85
MW-22 Screen 2	Jan/Feb 2003	DUPE-5-1Q03	NA	NA	<b>3.2</b>	0.01 U	0.85
MW-22 Screen 2	April/May 2003	MW-22-2	5.0 U	1.0 U	0.6 UJ	0.01 U	0.07
MW-22 Screen 2	July/Aug 2003	MW-22-2	NA	NA	<b>2.7 J</b>	0.01 U	0.75
MW-22 Screen 2	July/Aug 2003	DUPE-5-3-Q03	NA	NA	<b>2.5 J</b>	0.01 U	4.80
MW-22 Screen 2	Oct/Nov 2003	MW-22-2	NA	NA	0.9 UJ	0.01 U	1.30
MW-22 Screen 2	Feb 2004	MW-22-2	NA	NA	<b>4.7</b>	0.01 U	1.32
MW-22 Screen 2	April/May 2004	MW-22-2	5.0 UJ	0.12 U	<b>7.6</b>	0.01 U	1.50
MW-22 Screen 2	July/Aug 2004	MW-22-2	NA	NA	<b>9.8 J</b>	0.01 U	6.56
MW-22 Screen 3	Jan/Feb 2003	MW-22-3	NA	NA	<b>3.6</b>	0.01 U	1.63
MW-22 Screen 3	April/May 2003	MW-22-3	5.0 U	1.0 U	0.8 UJ	0.01 U	0.09
MW-22 Screen 3	July/Aug 2003	MW-22-3	NA	NA	<b>2.9 J</b>	0.01 U	0.70
MW-22 Screen 3	Oct/Nov 2003	MW-22-3	NA	NA	<b>3.2 J</b>	0.01 U	0.20
MW-22 Screen 3	Feb 2004	MW-22-3	NA	NA	<b>6.6</b>	0.01 U	0.87
MW-22 Screen 3	April/May 2004	MW-22-3	5.0 UJ	0.12 U	<b>8.5</b>	0.01 U	0.25
MW-22 Screen 3	July/Aug 2004	MW-22-3	NA	NA	<b>10.0 J</b>	0.01 U	6.28
MW-22 Screen 4	April/May 2003	MW-22-4	5.0 U	1.0 U	<b>2.4 J</b>	0.01 U	0.07
MW-22 Screen 4	Oct/Nov 2003	MW-22-4	NA	NA	<b>3.1 J</b>	0.01 U	0.80
MW-22 Screen 4	April/May 2004	MW-22-4	3.0 UJ	0.12 U	<b>8.1</b>	0.01 U	0.65
MW-22 Screen 5	April/May 2003	MW-22-5	5.0 U	1.0 U	1.0 UJ	0.01 U	0.20
MW-22 Screen 5	Oct/Nov 2003	MW-22-5	NA	NA	0.7 UJ	0.01 U	0.90
MW-22 Screen 5	April/May 2004	MW-22-5	2.7 UJ	0.017 U	<b>2.6 J</b>	<b>0.004 J</b>	0.25
MW-22 Screen 5	April/May 2004	DUPE-2-2Q04	5.0 UJ	0.039 U	<b>4.6 J</b>	<b>0.004 J</b>	0.25
MW-23 Screen 1	Jan/Feb 2003	MW-23-1	NA	NA	<b>3.4</b>	0.01 U	5.77
MW-23 Screen 1	April/May 2003	MW-23-1	5.0 U	1.0 U	<b>4.4</b>	0.01 U	15.30
MW-23 Screen 1	July/Aug 2003	MW-23-1	NA	NA	<b>4.2 J</b>	0.01 U	4.60
MW-23 Screen 1	Oct/Nov 2003	MW-23-1	NA	NA	<b>4.6 J</b>	0.01 U	4.70
MW-23 Screen 1	Feb 2004	MW-23-1	NA	NA	<b>8.1</b>	0.01 U	25.00
MW-23 Screen 1	April/May 2004	MW-23-1	5.0 U	0.024 U	<b>11.9</b>	0.01 U	0.83
MW-23 Screen 1	July/Aug 2004	MW-23-1	NA	NA	<b>15.2</b>	0.01 U	7.59
MW-23 Screen 2	Jan/Feb 2003	MW-23-2	NA	NA	<b>3.8</b>	0.01 U	0.52
MW-23 Screen 2	April/May 2003	MW-23-2	5.0 U	1.0 U	<b>2.9</b>	0.01 U	0.05
MW-23 Screen 2	July/Aug 2003	MW-23-2	NA	NA	<b>3.9 J</b>	0.01 U	0.60
MW-23 Screen 2	Oct/Nov 2003	MW-23-2	NA	NA	<b>3.5 J</b>	0.01 U	1.80
MW-23 Screen 2	Feb 2004	MW-23-2	NA	NA	<b>5.9</b>	0.01 U	0.55
MW-23 Screen 2	April/May 2004	MW-23-2	2.5 U	<b>0.004 J</b>	<b>9.8</b>	<b>0.005 J</b>	0.80
MW-23 Screen 2	July/Aug 2004	MW-23-2	NA	NA	<b>14.1</b>	0.01 U	6.41
MW-23 Screen 3	Jan/Feb 2003	MW-23-3	NA	NA	<b>3.9</b>	0.01 U	1.12
MW-23 Screen 3	April/May 2003	MW-23-3	5.0 U	1.0 U	<b>3.7</b>	0.01 U	0.32
MW-23 Screen 3	July/Aug 2003	MW-23-3	NA	NA	<b>3.5 J</b>	0.01 U	6.80
MW-23 Screen 3	Oct/Nov 2003	MW-23-3	NA	NA	<b>4.2 J</b>	0.01 U	2.60
MW-23 Screen 3	Feb 2004	MW-23-3	NA	NA	<b>5.2</b>	0.01 U	9.90
MW-23 Screen 3	Feb 2004	DUPE-4-1Q04	NA	NA	<b>5.0</b>	0.01 U	14.00
MW-23 Screen 3	April/May 2004	MW-23-3	5.0 U	0.12 U	<b>8.3</b>	<b>0.004 J</b>	10.00
MW-23 Screen 3	July/Aug 2004	MW-23-3	NA	NA	<b>11.2</b>	0.01 U	12.70
MW-23 Screen 4	Jan/Feb 2003	MW-23-4	NA	NA	<b>2.5</b>	0.01 U	0.12
MW-23 Screen 4	April/May 2003	MW-23-4	5.0 U	1.0 U	<b>2.2</b>	0.01 U	0.12
MW-23 Screen 4	July/Aug 2003	MW-23-4	NA	NA	<b>2.6 J</b>	0.01 U	0.30
MW-23 Screen 4	Oct/Nov 2003	MW-23-4	NA	NA	<b>2.6 J</b>	0.01 U	0.00
MW-23 Screen 4	Feb 2004	MW-23-4	NA	NA	<b>3.3</b>	0.01 U	0.30
MW-23 Screen 4	April/May 2004	MW-23-4	3.3 U	<b>0.005 J</b>	<b>6.7</b>	<b>0.004 J</b>	0.55
MW-23 Screen 4	July/Aug 2004	MW-23-4	NA	NA	<b>7.9</b>	0.01 U	6.25

**TABLE 3-7**  
**SUMMARY OF METALS DETECTED DURING THE**  
**LONG-TERM QUARTERLY GROUNDWATER SAMPLING PROGRAM**  
**BEGINNING JANUARY 2003**

Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Event	Sample Number	Arsenic (ug/L)	Lead (ug/L)	Total Chromium (ug/L)	Hexavalent Chromium (mg/L)	Field Turbidity (NTU)
MW-23 Screen 5	April/May 2003	MW-23-5	<b>3.2 J</b>	<b>0.6 J</b>	<b>1.7</b>	0.01 U	0.89
MW-23 Screen 5	Oct/Nov 2003	MW-23-5	NA	NA	1.8 UJ	0.01 U	2.60
MW-23 Screen 5	April/May 2004	MW-23-5	4.0 U	<b>1.2</b>	<b>7.1</b>	<b>0.004 J</b>	2.80
MW-24 Screen 1	Jan/Feb 2003	MW-24-1	NA	NA	<b>4.9</b>	0.01 U	3.78
MW-24 Screen 1	April/May 2003	MW-24-1	5.0 U	1.0 U	<b>5.7</b>	0.01 U	7.98
MW-24 Screen 1	July/Aug 2003	MW-24-1	NA	NA	<b>3.0</b>	0.01 U	4.90
MW-24 Screen 1	Oct/Nov 2003	MW-24-1	NA	NA	<b>4.0</b>	0.01 U	11.00
MW-24 Screen 1	Feb 2004	MW-24-1	NA	NA	<b>5.8</b>	0.01 U	8.41
MW-24 Screen 1	April/May 2004	MW-24-1	2.0 U	<b>0.024 J</b>	<b>7.9</b>	0.01 U	2.30
MW-24 Screen 1	July/Aug 2004	MW-24-1	NA	NA	<b>11.2</b>	0.01 U	7.78
MW-24 Screen 2	Jan/Feb 2003	MW-24-2	NA	NA	<b>2.4</b>	0.01 U	1.68
MW-24 Screen 2	April/May 2003	MW-24-2	5.0 U	1.0 U	<b>2.3</b>	0.01 U	2.28
MW-24 Screen 2	April/May 2003	DUPE-4-2Q03	5.0 U	1.0 U	<b>2.0</b>	0.01 U	2.28
MW-24 Screen 2	July/Aug 2003	MW-24-2	NA	NA	<b>2.0</b>	0.01 U	6.10
MW-24 Screen 2	Oct/Nov 2003	MW-24-2	NA	NA	2.7 U	0.01 U	3.90
MW-24 Screen 2	Feb 2004	MW-24-2	NA	NA	<b>2.3</b>	0.01 U	3.98
MW-24 Screen 2	April/May 2004	MW-24-2	3.5 U	0.12 U	<b>6.2</b>	0.01 U	4.60
MW-24 Screen 2	July/Aug 2004	MW-24-2	NA	NA	<b>9.2</b>	0.01 U	8.55
MW-24 Screen 3	Jan/Feb 2003	MW-24-3	NA	NA	<b>2.5</b>	0.01 U	4.99
MW-24 Screen 3	April/May 2003	MW-24-3	<b>4.4 J</b>	1.0 U	<b>2.2</b>	0.01 U	0.87
MW-24 Screen 3	July/Aug 2003	MW-24-3	NA	NA	<b>1.3</b>	0.01 U	2.90
MW-24 Screen 3	Oct/Nov 2003	MW-24-3	NA	NA	1.7 U	0.01 U	2.80
MW-24 Screen 3	Feb 2004	MW-24-3	NA	NA	<b>3.6</b>	0.01 U	2.84
MW-24 Screen 3	April/May 2004	MW-24-3	4.3 U	0.012 J	<b>5.1</b>	0.01 U	3.90
MW-24 Screen 3	July/Aug 2004	MW-24-3	NA	NA	<b>7.3</b>	0.01 U	7.50
MW-24 Screen 4	Jan/Feb 2003	MW-24-4	NA	NA	<b>1.5</b>	0.01 U	0.22
MW-24 Screen 4	April/May 2003	MW-24-4	5.0 U	1.0 U	<b>0.3 J</b>	0.01 U	2.81
MW-24 Screen 4	July/Aug 2003	MW-24-4	NA	NA	<b>0.7 J</b>	0.01 U	0.55
MW-24 Screen 4	Oct/Nov 2003	MW-24-4	NA	NA	1.2 U	0.01 U	0.15
MW-24 Screen 4	Oct/Nov 2003	DUPE-1-4Q03	NA	NA	1.1 U	0.01 U	0.45
MW-24 Screen 4	Feb 2004	MW-24-4	NA	NA	<b>1.5</b>	0.01 U	0.66
MW-24 Screen 4	April/May 2004	MW-24-4	2.2 U	0.12 U	<b>4.3</b>	0.01 U	1.50
MW-24 Screen 4	July/Aug 2004	MW-24-4	NA	NA	<b>6.2</b>	0.01 U	6.32
MW-24 Screen 5	April/May 2003	MW-24-5	<b>2.7 J</b>	1.0 U	<b>4.1</b>	0.01 U	0.30
MW-24 Screen 5	Oct/Nov 2003	MW-24-5	NA	NA	<b>3.7</b>	0.01 U	0.40
MW-24 Screen 5	April/May 2004	MW-24-5	3.8 U	0.12 U	<b>7.6</b>	0.01 U	0.60
California Maximum Contaminant Level (MCL)			50.0	15.0*	50.0	0.05 <sup>(1)</sup>	NE
EPA Region IX Maximum Contaminant Level			50.0	15.0*	100.0	NE	NE

**Notes**

- DUPE Field Duplicate
- J Indicates an estimated value.
- MCL Maximum Contaminant Level
- ug/L Micrograms per liter
- mg/L Milligrams per liter
- NTU Nephelometric Turbidity Unit
- NA Not analyzed for this metal during this quarter.
- NE Not established
- U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.
- \* Interim Action Level - California Department of Health Services
- (1) As of January 6, 2004, hexavalent chromium is regulated under the 50-ug/L MCL for total chromium. DHS will be adopting an MCL that is

**TABLE 3-8**  
**SUMMARY OF CONTAMINANTS DETECTED IN QUALITY CONTROL SAMPLES**  
**COLLECTED DURING THE JULY - AUGUST 2004 SAMPLING EVENT**

Blank Type	Sample ID Number	Sampling Location(s)	2-Butanone (ug/L)	Total Chromium (ug/L)	Ethylbenzene (ug/L)	Methylene Chloride (ug/L)	Toluene (ug/L)	o-Xylenes (ug/L)	m,p-Xylenes (ug/L)
Equipment Blank	EB-1-8/2/04	MW-21	<b>2.0 J</b>	<b>0.52 J</b>	5.0 U	0.5 U	0.5 U	0.5 U	0.5 U
Equipment Blank	EB-2-8/3/04	MW-18	10.0 UJ	<b>0.35 J</b>	5.0 U	0.5 U	0.5 U	0.5 U	0.5 U
Equipment Blank	EB-5-8/9/04	MW-4	<b>1.0 J</b>	0.67 U	<b>1.7</b>	0.5 U	<b>2.8</b>	<b>1.0</b>	<b>7.2</b>
Equipment Blank	EB-6-8/10/04	MW-23	10.0 U	0.87 U	<b>0.6</b>	0.5 U	<b>1.0</b>	<b>0.4 J</b>	<b>2.6</b>
Equipment Blank	EB-7-8/11/04	MW-3	10.0 U	0.29 U	5.0 U	0.5 U	0.5 U	0.5 U	<b>0.8</b>
Equipment Blank	EB-8-8/12/04	MW-22	10.0 U	0.23 U	5.0 U	<b>0.5</b>	0.5 U	0.5 U	0.5 U
Trip Blank	TB-5-8/9/04	MW-4	<b>1.0 J</b>	NA	5.0 U	0.5 U	0.5 U	0.5 U	0.5 U
Trip Blank	TB-6-8/10/04	MW-23	<b>0.9 J</b>	NA	5.0 U	0.5 U	0.5 U	0.5 U	0.5 U
Trip Blank	TB-7-8/11/04	MW-3	<b>1.0 J</b>	NA	5.0 U	0.5 U	0.5 U	0.5 U	0.5 U
Trip Blank	TB-8-8/12/04	MW-22	<b>1.0 J</b>	NA	5.0 U	0.5 U	0.5 U	0.5 U	0.5 U

**Notes**

- J Indicates an estimated value.
- ug/L Micrograms per liter
- mg/L Milligrams per liter
- NA Sample not analysed
- U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

**TABLE 5-1**  
**GROUNDWATER MONITORING WELL WATER LEVEL MEASUREMENTS**  
**JULY 27, 2004**

<b>Well Number</b>	<b>Screen Number</b>	<b>Date Measured</b>	<b>Depth to Water (Ft.)</b>	<b>Reference Elevation (Ft. + MSL)</b>	<b>Water Level Elevation (Ft. + MSL)</b>
MW-1	Shallow	7/27/04	36.34	1,116.69	1,080.35
	1 (top)	7/27/04	97.00	1,100.34	1,003.34
	2	7/27/04	97.73	1,100.34	1,002.61
MW-3	3	7/27/04	97.61	1,100.34	1,002.73
	4	7/27/04	102.28	1,100.34	998.06
	5	7/27/04	102.67	1,100.34	997.67
	1 (top)	7/27/04	76.06	1,082.84	1,006.78
	2	7/27/04	78.56	1,082.84	1,004.28
MW-4	3	7/27/04	78.59	1,082.84	1,004.25
	4	7/27/04	79.33	1,082.84	1,003.51
	5	7/27/04	79.58	1,082.84	1,003.26
MW-5	Shallow	7/27/04	84.6	1,071.62	987.02
MW-6	Shallow	7/27/04	175.1	1,188.54	1,013.44
MW-7	Shallow	7/27/04	203.9	1,212.90	1,009.00
MW-8	Shallow	7/27/04	130.3	1,139.55	1,009.25
MW-9	Shallow	7/27/04	28.8	1,106.06	1,077.26
MW-10	Shallow	7/27/04	79.82	1,087.73	1,007.91
	1 (top)	7/27/04	111.72	1,139.30	1,027.58
	2	7/27/04	128.68	1,139.30	1,010.62
MW-11	3	7/27/04	131.77	1,139.30	1,007.53
	4	7/27/04	127.84	1,139.30	1,011.46
	5	7/27/04	143.34	1,139.30	995.96
	1 (top)	7/27/04	93.14	1,102.14	1,009.00
	2	7/27/04	96.34	1,102.14	1,005.80
MW-12	3	7/27/04	96.89	1,102.14	1,005.25
	4	7/27/04	97.33	1,102.14	1,004.81
	5	7/27/04	102.20	1,102.14	999.94
MW-13	Shallow	7/27/04	173.61	1,183.49	1,009.88
	1 (top)	7/27/04	158.92	1,173.47	1,014.55
	2	7/27/04	160.24	1,173.47	1,013.23
MW-14	3	7/27/04	161.15	1,173.47	1,012.32
	4	7/27/04	160.91	1,173.47	1,012.56
	5	7/27/04	161.44	1,173.47	1,012.03
MW-15	Shallow	7/27/04	41.35	1,120.68	1,079.33
MW-16	Shallow	7/27/04	226.65	1,236.29	1,009.64
	1 (top)	7/27/04	193.92	1,191.21	997.29
	2	7/27/04	195.52	1,191.21	995.69
MW-17	3	7/27/04	198.52	1,191.21	992.69
	4	7/27/04	197.45	1,191.21	993.76
	5	7/27/04	196.70	1,191.21	994.51



**TABLE 5-1**  
**GROUNDWATER MONITORING WELL WATER LEVEL MEASUREMENTS**  
**JULY 27, 2004**

<b>Well Number</b>	<b>Screen Number</b>	<b>Date Measured</b>	<b>Depth to Water (Ft.)</b>	<b>Reference Elevation (Ft. + MSL)</b>	<b>Water Level Elevation (Ft. + MSL)</b>
MW-18	1 (top)	7/27/04	229.37	1,225.41	996.04
	2	7/27/04	228.93	1,225.41	996.48
	3	7/27/04	227.40	1,225.41	998.01
	4	7/27/04	231.35	1,225.41	994.06
	5	7/27/04	235.43	1,225.41	989.98
MW-19	1 (top)	7/27/04	148.01	1,142.94	994.93
	2	7/27/04	147.90	1,142.94	995.04
	3	7/27/04	147.16	1,142.94	995.78
	4	7/27/04	148.08	1,142.94	994.86
	5	7/27/04	147.66	1,142.94	995.28
MW-20	1 (top)	7/27/04	186.88	1,165.05	978.17
	2	7/27/04	185.07	1,165.05	979.98
	3	7/27/04	196.41	1,165.05	968.64
	4	7/27/04	186.62	1,165.05	978.43
	5	7/27/04	180.84	1,165.05	984.21
MW-21	1 (top)	7/27/04	50.14	1,059.10	1,008.96
	2	7/27/04	49.30	1,059.10	1,009.80
	3	7/27/04	49.51	1,059.10	1,009.59
	4	7/27/04	50.69	1,059.10	1,008.41
	5	7/27/04	50.73	1,059.10	1,008.37
MW-22	1 (top)	7/27/04	166.05	1,176.98	1,010.93
	2	7/27/04	166.10	1,176.98	1,010.88
	3	7/27/04	166.05	1,176.98	1,010.93
	4	7/27/04	168.43	1,176.98	1,008.55
	5	7/27/04	170.53	1,176.98	1,006.45
MW-23	1 (top)	7/27/04	99.41	1,108.84	1,009.43
	2	7/27/04	100.68	1,108.84	1,008.16
	3	7/27/04	100.70	1,108.84	1,008.14
	4	7/27/04	103.29	1,108.84	1,005.55
	5	7/27/04	103.65	1,108.84	1,005.19
MW-24	1 (top)	7/27/04	191.61	1,200.94	1,009.33
	2	7/27/04	193.56	1,200.94	1,007.38
	3	7/27/04	194.22	1,200.94	1,006.72
	4	7/27/04	198.47	1,200.94	1,002.47
	5	7/27/04	199.32	1,200.94	1,001.62

**Notes**

Ft.            Feet  
MSL           Mean Sea Level

**TABLE 5-2**  
**GROUNDWATER MONITORING WELL WATER LEVEL MEASUREMENTS**  
**AUGUST 18, 2004**

<b>Well Number</b>	<b>Screen Number</b>	<b>Date Measured</b>	<b>Depth to Water (Ft.)</b>	<b>Reference Elevation (Ft. + MSL)</b>	<b>Water Level Elevation (Ft. + MSL)</b>
MW-1	Shallow	8/18/04	38.73	1,116.69	1,077.96
	1 (top)	8/18/04	102.58	1,100.34	997.76
	2	8/18/04	103.54	1,100.34	996.80
MW-3	3	8/18/04	103.28	1,100.34	997.06
	4	8/18/04	109.70	1,100.34	990.64
	5	8/18/04	110.00	1,100.34	990.34
	1 (top)	8/18/04	79.98	1,082.84	1,002.86
	2	NM	NM	1,082.84	NM
MW-4	3	NM	NM	1,082.84	NM
	4	8/18/04	84.32	1,082.84	998.52
	5	8/18/04	84.57	1,082.84	998.27
MW-5	Shallow	8/18/04	68.45	1,071.62	1,003.17
MW-6	Shallow	8/18/04	177.95	1,188.54	1,010.59
MW-7	Shallow	8/18/04	207.6	1,212.90	1,005.30
MW-8	Shallow	8/18/04	134.09	1,139.55	1,005.46
MW-9	Shallow	8/18/04	30.35	1,106.06	1,075.71
MW-10	Shallow	8/18/04	83.36	1,087.73	1,004.37
	1 (top)	8/18/04	114.83	1,139.30	1,024.47
	2	8/18/04	132.97	1,139.30	1,006.33
MW-11	3	8/18/04	136.38	1,139.30	1,002.92
	4	8/18/04	132.29	1,139.30	1,007.01
	5	8/18/04	150.24	1,139.30	989.06
	1 (top)	8/18/04	97.67	1,102.14	1,004.47
	2	8/18/04	96.55	1,102.14	1,005.59
MW-12	3	8/18/04	102.36	1,102.14	999.78
	4	8/18/04	103.24	1,102.14	998.90
	5	8/18/04	109.83	1,102.14	992.31
MW-13	Shallow	8/18/04	177.15	1,183.49	1,006.34
	1 (top)	8/18/04	161.51	1,173.47	1,011.96
	2	8/18/04	162.85	1,173.47	1,010.62
MW-14	3	8/18/04	163.34	1,173.47	1,010.13
	4	8/18/04	163.45	1,173.47	1,010.02
	5	8/18/04	163.94	1,173.47	1,009.53
MW-15	Shallow	8/18/04	40.39	1,120.68	1,080.29
MW-16	Shallow	8/18/04	230.23	1,236.29	1,006.06
	1 (top)	8/18/04	203.42	1,191.21	987.79
	2	8/18/04	206.71	1,191.21	984.50
MW-17	3	8/18/04	215.87	1,191.21	975.34
	4	8/18/04	211.59	1,191.21	979.62
	5	8/18/04	207.13	1,191.21	984.08

**TABLE 5-2**  
**GROUNDWATER MONITORING WELL WATER LEVEL MEASUREMENTS**  
**AUGUST 18, 2004**

<b>Well Number</b>	<b>Screen Number</b>	<b>Date Measured</b>	<b>Depth to Water (Ft.)</b>	<b>Reference Elevation (Ft. + MSL)</b>	<b>Water Level Elevation (Ft. + MSL)</b>
MW-18	1 (top)	8/18/04	236.50	1,225.41	988.91
	2	8/18/04	238.76	1,225.41	986.65
	3	8/18/04	238.91	1,225.41	986.50
	4	8/18/04	244.37	1,225.41	981.04
	5	8/18/04	247.91	1,225.41	977.50
MW-19	1 (top)	8/18/04	151.84	1,142.94	991.10
	2	8/18/04	152.79	1,142.94	990.15
	3	8/18/04	152.00	1,142.94	990.94
	4	8/18/04	154.13	1,142.94	988.81
	5	8/18/04	154.35	1,142.94	988.59
MW-20	1 (top)	8/18/04	191.61	1,165.05	973.44
	2	8/18/04	191.27	1,165.05	973.78
	3	8/18/04	199.43	1,165.05	965.62
	4	8/18/04	194.44	1,165.05	970.61
	5	8/18/04	185.89	1,165.05	979.16
MW-21	1 (top)	8/18/04	53.09	1,059.10	1,006.01
	2	8/18/04	52.32	1,059.10	1,006.78
	3	8/18/04	52.60	1,059.10	1,006.50
	4	8/18/04	53.74	1,059.10	1,005.36
	5	8/18/04	53.82	1,059.10	1,005.28
MW-22	1 (top)	8/18/04	169.54	1,176.98	1,007.44
	2	8/18/04	169.84	1,176.98	1,007.14
	3	8/18/04	169.72	1,176.98	1,007.26
	4	8/18/04	172.88	1,176.98	1,004.10
	5	8/18/04	175.51	1,176.98	1,001.47
MW-23	1 (top)	8/18/04	102.60	1,108.84	1,006.24
	2	8/18/04	104.32	1,108.84	1,004.52
	3	8/18/04	104.40	1,108.84	1,004.44
	4	8/18/04	107.74	1,108.84	1,001.10
	5	8/18/04	107.96	1,108.84	1,000.88
MW-24	1 (top)	8/18/04	194.96	1,200.94	1,005.98
	2	8/18/04	197.60	1,200.94	1,003.34
	3	8/18/04	198.14	1,200.94	1,002.80
	4	8/18/04	201.28	1,200.94	999.66
	5	8/18/04	204.58	1,200.94	996.36

**Notes**

Ft.        Feet  
MSL       Mean Sea Level  
NM        Water level not measured due to instrument error.