TABLES

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		839.82-849.82	2	47	0.01	4" low-carbon steel
					344-354		745.82-755.82	3	45	0.01	4" low-carbon steel
					555-565		534.82-544.82	4	39	0.01	4" low-carbon steel
					650-660		433.82-443.82	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		835.72-845.72	2	34	0.01	4" low-carbon steel
					318-328		754.72-764.72	3	42	0.01	4" low-carbon steel
					389-399		683.72-693.72	4	54	0.01	4" low-carbon steel
					509-519		563.72-573.72	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		879.35-889.35	2	22	0.01	4" low-carbon steel
					420-430		709.35-719.35	3	26	0.01	4" low-carbon steel
					515-525		614.35-624.35	4	26	0.01	4" low-carbon steel
					630-640		499.35-509.35	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		852.14-862.14	2	19	0.01	4" low-carbon steel
					315-325		777.14-787.14	3	21	0.01	4" low-carbon steel
					430-440		662.14-672.14	4	22	0.01	4" low-carbon steel
					546-556		546.14-556.14	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

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-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

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-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 3-1
SUMMARY OF ANALYSES PERFORMED ON GROUNDWATER SAMPLES COLLECTED FROM JPL MONITORING WELLS
APRIL - MAY 2003

Sample Location	VOCs (524.2)	Total Cr (200.8)	Hexavalent Cr (7196)	Perchlorate (CADHS/ EPA 314)	Lead (200.8)	Arsenic (200.9)	NDMA (1625M)	1,4-Dioxane (8270)	Major Anions and Cations	Total Dissolved Solids (160.1)	pH (150.1)
MW-1											
MW-3											
Screen 1											
Screen 2	x	x	x	x							
Screen 3	x	x	x	x							
Screen 4	x	x	x	x							
Screen 5											
MW-4											
Screen 1	x	x	x	x							
Screen 2	x	x	x	x							
Screen 3	x	x	x	x							
Screen 4											
Screen 5											
MW-5	x	x	x	x							
MW-6	x	x	x	x							
MW-7	x	x	x	x							
MW-8	x	x	x	x							
MW-9											
MW-10	x	x	x	x							
MW-11											
Screen 1	x	x	x	x							
Screen 2	x	x	x	x							
Screen 3	x	x	x	x							
Screen 4	x			x							
Screen 5											
MW-12											
Screen 1	x	x	x	x							
Screen 2	x	x	x	x							
Screen 3	x	x	x	x							
Screen 4	x			x							
Screen 5	x			x							
MW-13	x	x	x	x							
MW-14											
Screen 1	x	x	x	x							
Screen 2	x	x	x	x							
Screen 3	x	x	x	x							
Screen 4	x	x	x	x							
Screen 5	x			x							
MW-15		x	x								
MW-16	x	x	x	x							
MW-17											
Screen 1											
Screen 2	x	x	x	x							
Screen 3	x	x	x	x							
Screen 4	x	x	x	x							
Screen 5											

TABLE 3-1
SUMMARY OF ANALYSES PERFORMED ON GROUNDWATER SAMPLES COLLECTED FROM JPL MONITORING WELLS
APRIL - MAY 2003

Sample Location	VOCs (524.2)	Total Cr (200.8)	Hexavalent Cr (7196)	Perchlorate (CADHS/ EPA 314)	Lead (200.8)	Arsenic (200.9)	NDMA (1625M)	1,4-Dioxane (8270)	Major Anions and Cations	Total Dissolved Solids (160.1)	pH (150.1)
MW-18											
Screen 1											
Screen 2	x	x	x	x							
Screen 3	x	x	x	x							
Screen 4	x	x	x	x							
Screen 5	x			x							
MW-19											
Screen 1	x			x							
Screen 2	x			x							
Screen 3	x			x							
Screen 4	x			x							
Screen 5	x			x							
MW-20											
Screen 1	x	x	x	x							
Screen 2	x	x	x	x							
Screen 3	x	x	x	x							
Screen 4	x	x	x	x							
Screen 5	x	x	x	x							
MW-21											
Screen 1	x	x	x	x							
Screen 2	x	x	x	x							
Screen 3	x	x	x	x							
Screen 4	x	x	x	x							
Screen 5	x	x	x	x							
MW-22											
Screen 1	x	x	x	x							
Screen 2	x	x	x	x							
Screen 3	x	x	x	x							
Screen 4											
Screen 5											
MW-23											
Screen 1	x	x	x	x							
Screen 2	x	x	x	x							
Screen 3	x	x	x	x							
Screen 4		x	x								
Screen 5											
MW-24											
Screen 1	x	x	x	x							
Screen 2	x	x	x	x							
Screen 3	x	x	x	x							
Screen 4		x	x								
Screen 5											

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

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

	AQUIFER LAYERS			
Well Number	Layer 1	Layer 2	Layer 3	Layer 4
MW-18				
Screen 1	x			
Screen 2	x			
Screen 3		x		
Screen 4			x	
Screen 5			x	
MW-19				
Screen 1	x			
Screen 2		x		
Screen 3		x		
Screen 4			x	
Screen 5			x	
MW-20				
Screen 1	x			
Screen 2		x		
Screen 3			x	
Screen 4			x	
Screen 5				x
MW-21				
Screen 1	x			
Screen 2		x		
Screen 3		x		
Screen 4			x	
Screen 5			x	
MW-22				
Screen 1	x			
Screen 2		x		
Screen 3		x		
Screen 4			x	
Screen 5			x	
MW-23				
Screen 1	x			
Screen 2		x		
Screen 3		x		
Screen 4			x	
Screen 5			x	
MW-24				
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 2003

(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	**0.6**	**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 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	
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	
MW-4 Screen 1	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 2	MW-4-2	0.5 U	**0.7**	**1.3**	**0.6**	0.5 U	0.5 U	0.5 U	**0.5 J**	**9.0**	
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 4.5 Styrene 0.5J 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-6	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-7	MW-7	**40.4**	**4.5**	**4.9**	0.5 U	0.5 U	**2.2**	**2.2**	**6.8**	**1920.0 J**	
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	**9.7 J**	
MW-10	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-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	
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	4-Methyl-2-Pentanone 0.3J
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	**0.3 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 3	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**	
MW-12 Screen 4	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 5	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-13	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-14 Screen 1	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 2	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 3	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	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 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	**2.3 J**	
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-16	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-17 Screen 2	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**	

TABLE 3-3
SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND PERCHLORATE DETECTED IN GROUNDWATER SAMPLES COLLECTED FROM JPL MONITORING WELLS
JULY - AUGUST 2003

(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-17 Screen 3	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 4	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-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	0.5 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 4	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 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 2	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 3	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 4	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	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 5	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-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 J**	**1.5 J**	
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	**2.2**	4.0 U	
MW-20 Screen 3	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	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 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	
MW-21 Screen 1	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 2	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**	
MW-21 Screen 3	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 4	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 5	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-22 Screen 1	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 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	**2.4 J**	4-Methyl-2-Pentanone 0.6J
MW-22 Screen 2	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 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	**2.2 J**	4-Methyl-2-Pentanone 2.0J Chloroethane 2.0
MW-23 Screen 1	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**	

TABLE 3-3
SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND PERCHLORATE DETECTED IN GROUNDWATER SAMPLES COLLECTED FROM JPL MONITORING WELLS
JULY - AUGUST 2003

(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-23 Screen 2	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 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	**2.0 J**	
MW-24 Screen 1	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 2	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 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	4.0*	
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.
*	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
JULY - AUGUST 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-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 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	0.4 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 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**	0.4 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 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	0.4 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 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
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	0.4 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 2	Jan/Feb 2003	MW-4-2	0.5 U	**1.2**	**0.7**	**0.5 J**	0.5 U	0.5 U	0.5 U	**0.5 J**	0.4 U	
MW-4 Screen 2	April/May 2003	MW-4-2	0.5 U	**0.4 J**	**0.7**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**6.6**	
MW-4 Screen 2	July/Aug 2003	MW-4-2	0.5 U	**0.7**	**1.3**	**0.6**	0.5 U	0.5 U	0.5 U	**0.5 J**	**9.0**	
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	0.4 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 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 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-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-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**	

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

TABLE 3-4
SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND PERCHLORATE DETECTED DURING THE LONG-TERM QUARTERLY GROUDWATER SAMPLING PROGRAM
JULY - AUGUST 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	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	
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 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-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-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 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 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 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 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	0.4 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-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-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

TABLE 3-4
SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND PERCHLORATE DETECTED DURING THE LONG-TERM QUARTERLY GROUDWATER SAMPLING PROGRAM
JULY - AUGUST 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-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 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 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**	0.4 U	1,1,2-Trichlorotriflouroethane 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 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**	0.4 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 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-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 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	0.4 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 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**	0.4 U	
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 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 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	0.4 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-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	0.4 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 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**	0.4 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 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**	0.4 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 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**	0.4 U	

TABLE 3-4
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JULY - AUGUST 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 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**	0.4 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 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	0.4 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-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	0.4 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**	0.4 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 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**	0.4 U	
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 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	0.4 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 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	0.4 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 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	0.4 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-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 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	0.4 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**	
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**	0.4 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**	

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JULY - AUGUST 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 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 cis-1,2-Dichloroethane	0.4J 0.4J
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**	0.4 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 Chlorodibromomethane cis-1,2-Dichloroethane	0.5 0.7 2.2
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**	0.4 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-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**	0.4 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 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	0.4 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
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 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 Chloroethane	2.0J 2.0
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 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-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 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 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

TABLE 3-4
SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND PERCHLORATE DETECTED DURING THE LONG-TERM QUARTERLY GROUDWATER SAMPLING PROGRAM
JULY - AUGUST 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 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 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 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-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 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 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	
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 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
California Maximum Contaminant Level (MCL)			0.5	5.0	5.0	5.0	0.5	6.0	1200.0	100.0	4.0*	
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.
* Interim Action Level - California Department of Health Services

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

(All Concentrations Are Reported in Micrograms per Liter)
Bolded and 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	6/3/2003	NS	0.5 U	0.5 U	2.6	NS	NS
	Well #3	7/8/2003	NS	0.5 U	0.5 U	4.0	NS	NS
	Well #3	8/5/2003	NS	**0.99**	0.5 U	1.9	NS	NS
	Well #5	6/3/2003	NS	0.5 U	0.5 U	4.7	NS	NS
	Well #5	7/8/2003	NS	0.5 U	0.5 U	**8.6**	NS	NS
	Well #5	8/5/2003	NS	0.5 U	0.5 U	3.8	NS	NS
La Canada Irrigation District	Well #1	6/23/2003	NS	NS	0.63	NS	NS	NS
	Well #6	6/23/2003	NS	NS	0.83	NS	NS	NS
Las Flores Water Company	Well #2	6/2/2003	**6.8**	0.5 U	**14.0**	0.5 U	0.5 U	0.5 U
	Well #2	6/9/2003	**6.5**	NS	**6.3**	NS	NS	NS
	Well #2	6/16/2003	**5.8**	0.5 U	**11.0**	0.5 U	0.5 U	0.5 U
	Well #2	6/23/2003	**6.7**	NS	**10.0**	NS	NS	NS
	Well #2	6/30/2003	**6.9**	NS	**12.0**	NS	NS	NS
	Well #2	7/7/2003	**5.4**	NS	**10.0**	NS	NS	NS
	Well #2	7/14/2003	**7.1**	NS	**10.0**	NS	NS	NS
	Well #2	7/21/2003	**6.9**	NS	**13.0**	NS	NS	NS
	Well #2	7/28/2003	**7.9**	NS	**10.0**	NS	NS	NS
	Well #2	8/4/2003	**6.5**	NS	**10.0**	NS	NS	NS
	Well #2	8/11/2003	**6.1**	NS	**8.9**	NS	NS	NS
	Well #2	8/18/2003	**5.1**	NS	**11.0**	NS	NS	NS
Rubio Canon Land and Water Co.	Well #4	7/8/2003	4 U	NS	NS	NS	NS	NS
Valley Water Company	Well #1	7/14/2003	NS	0.5 U	3.4	0.6	0.5 U	3.30
	Well #1	8/18/2003	NS	0.5 U	3.1	0.6	0.5 U	2.80
	Well #2	7/14/2003	NS	0.5 U	0.5 U	0.5 U	0.5 U	14.00
	Well #2	8/18/2003	NS	0.5 U	3.4	0.5 U	0.5 U	5.40
	Well #3	7/14/2003	NS	0.5 U	2.6	0.5 U	0.5 U	0.50
	Well #3	8/18/2003	NS	0.5 U	1.6	0.5 U	0.5 U	1.10
	Well #4	7/14/2003	NS	0.5 U	1.8	0.5 U	0.5 U	7.70
	Well #4	8/18/2003	NS	0.5 U	1.6	0.5 U	0.5 U	4.20
California MCL			4.00[(1)]	0.50	5.00	5.00	5.00	100.00
EPA Region IX MCL			NE	5.00	5.00	5.00	NE	100.00

Notes

*	Additional VOCs were also sampled during June, July, and August, 2003, however, no detectable concentrations were reported.
(1)	Interim Action Level - California Department of Health Services
NE	Not Established
NS	Not Sampled on this date
U	Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.
Source	California Department of Health Services Drinking Water Program, California Drinking Water Data, September 24 and October 6, 2003

TABLE 3-6
SUMMARY OF METALS ANALYSES OF GROUNDWATER SAMPLES COLLECTED FROM JPL MONITORING WELLS
JULY - AUGUST 2003

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	**2.4 J**	0.01 U	3.38
MW-3 Screen 3	MW-3-3	**2.0 J**	0.01 U	2.57
MW-3 Screen 4	MW-3-4	**1.8 J**	0.01 U	1.06
MW-4 Screen 1	MW-4-1	**2.7 J**	0.01 U	2.90
MW-4 Screen 1	DUPE-3-3-Q03	**2.5 J**	0.01 U	2.40
MW-4 Screen 2	MW-4-2	**5.2 J**	0.01 U	3.40
MW-4 Screen 3	MW-4-3	0.4 U	0.01 U	45.00
MW-5	MW-5	**3.1 J**	0.01 U	80.00
MW-6	MW-6	**6.6 J**	0.01 U	22.20
MW-7	MW-7	**4.6 J**	0.01 U	0.08
MW-8	MW-8	**3.6 J**	0.01 U	4.90
MW-10	MW-10	**11.0 J**	0.01 U	14.00
MW-11 Screen 1	MW-11-1	**2.0 J**	0.01 U	0.45
MW-11 Screen 2	MW-11-2	**1.5 J**	0.01 U	1.40
MW-11 Screen 3	MW-11-3	**2.3 J**	0.01 U	95.00
MW-12 Screen 1	MW-12-1	**8.0 J**	0.01 U	7.90
MW-12 Screen 2	MW-12-2	**3.8 J**	0.01 U	1.30
MW-12 Screen 3	MW-12-3	**2.4 J**	0.01 U	0.60
MW-13	MW-13	**8.5 J**	0.01 U	4.00
MW-14 Screen 1	MW-14-1	**3.9 J**	0.01 U	2.10
MW-14 Screen 2	MW-14-2	**1.9 J**	0.01 U	0.10
MW-14 Screen 3	MW-14-3	**3.6 J**	0.01 U	0.00
MW-14 Screen 3	DUPE-4-3-Q03	**3.4 J**	0.01 U	0.75
MW-14 Screen 4	MW-14-4	**1.6 J**	0.01 U	1.10
MW-15	MW-15	**3.9 J**	0.01 U	19.00
MW-15	Dupe-6-3-Q03	**3.6 J**	0.01 U	14.60
MW-16	MW-16	**2.7 J**	0.01 U	2.90
MW-17 Screen 2	MW-17-2	**2.6 J**	0.01 U	2.30
MW-17 Screen 3	MW-17-3	**4.0 J**	0.01 U	16.30
MW-17 Screen 4	MW-17-4	**1.9 J**	0.01 U	2.03
MW-18 Screen 2	MW-18-2	**2.1 J**	0.01 U	4.30
MW-18 Screen 3	MW-18-3	**5.9 J**	0.01 U	0.00
MW-18 Screen 4	MW-18-4	**2.7 J**	0.01 U	34.30
MW-20 Screen 1	MW-20-1	**1.8 J**	0.01 U	1.02
MW-20 Screen 2	MW-20-2	**1.5 J**	0.01 U	0.12
MW-20 Screen 3	MW-20-3	**4.0 J**	0.01 U	0.25
MW-20 Screen 3	DUPE-2-3-Q03	**4.0 J**	0.01 U	0.00
MW-20 Screen 4	MW-20-4	**1.9 J**	0.01 U	10.35
MW-20 Screen 5	MW-20-5	**1.6 J**	0.01 U	0.21
MW-21 Screen 1	MW-21-1	**3.8 J**	0.01 U	0.18
MW-21 Screen 2	MW-21-2	**4.2 J**	0.01 U	0.15
MW-21 Screen 3	MW-21-3	**3.7 J**	0.01 U	0.59
MW-21 Screen 4	MW-21-4	**4.0 J**	0.01 U	0.55
MW-21 Screen 5	MW-21-5	**2.9 J**	0.01 U	1.17
MW-22 Screen 1	MW-22-1	**4.2 J**	0.01 U	5.60
MW-22 Screen 2	MW-22-2	**2.7 J**	0.01 U	0.75
MW-22 Screen 2	DUPE-5-3-Q03	**2.5 J**	0.01 U	4.80
MW-22 Screen 3	MW-22-3	**2.9 J**	0.01 U	0.70
MW-23 Screen 1	MW-23-1	**4.2 J**	0.01 U	4.60
MW-23 Screen 2	MW-23-2	**3.9 J**	0.01 U	0.60

TABLE 3-6
SUMMARY OF METALS ANALYSES OF GROUNDWATER SAMPLES COLLECTED FROM JPL MONITORING WELLS
JULY - AUGUST 2003

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-23 Screen 3	MW-23-3	**3.5 J**	0.01 U	6.80
MW-23 Screen 4	MW-23-4	**2.6 J**	0.01 U	0.30
MW-24 Screen 1	MW-24-1	**3.0**	0.01 U	4.90
MW-24 Screen 2	MW-24-2	**2.0**	0.01 U	6.10
MW-24 Screen 3	MW-24-3	**1.3**	0.01 U	2.90
MW-24 Screen 4	MW-24-4	**0.7 J**	0.01 U	0.55
California Maximum Contaminant Level (MCL)		50.0	0.05[(1)]	NE
EPA Region IX Maximum Contaminant Level		100.0	NE	NE

Notes

DUPE	Field Duplicate
J	Indicates an estimated value.
NA	Not Analyzed for this Metal during this Quarter
NE	Not established
NTU	Nepthalometric Turbidity Unit
U	Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.
(1)	As of January 6, 2004, hexavalent chromium is regulated under the 50-microgram per liter (µg/L) maximum contaminant level (MCL) for total chromium. DHS will be adopting an MCL that is specific for hexavalent chromium (DHS, 2004).

TABLE 3-7
SUMMARY OF METALS ANALYSES OF GROUNDWATER SAMPLES COLLECTED FROM JPL MONITORING WELLS
JULY - AUGUST 2003

Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Events	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	**0.2**	**J**	**2.4**		0.01	U	2.02
MW-3 Screen 1	April/May 2003	MW-3-1	5.0	U	1.0	U	**2.1**		0.01	U	20.40
MW-3 Screen 2	Jan/Feb 2003	MW-3-2	NA		NA		**2.4**		0.01	U	1.54
MW-3 Screen 2	April/May 2003	MW-3-2	5.0	U	1.0	U	**1.6**		0.01	U	1.35
MW-3 Screen 2	April/May 2003	DUPE-5-2Q03	5.0	U	1.0	U	**1.9**		0.01	U	1.35
MW-3 Screen 2	July/Aug 2003	MW-3-2	NA		NA		**2.4**	**J**	0.01	U	3.38
MW-3 Screen 3	Jan/Feb 2003	MW-3-3	NA		NA		**2.0**		0.01	U	1.52
MW-3 Screen 3	April/May 2003	MW-3-3	5.0	U	1.0	U	**0.8**	**J**	0.01	U	0.11
MW-3 Screen 3	July/Aug 2003	MW-3-3	NA		NA		**2.0**	**J**	0.01	U	2.57
MW-3 Screen 4	Jan/Feb 2003	MW-3-4	NA		NA		**2.3**		0.01	U	0.94
MW-3 Screen 4	April/May 2003	MW-3-4	5.0	U	1.0	U	**1.7**		0.01	U	0.67
MW-3 Screen 4	July/Aug 2003	MW-3-4	NA		NA		**1.8**	**J**	0.01	U	1.06
MW-3 Screen 5	April/May 2003	MW-3-5	**4.3**	**J**	1.0	U	**0.5**	**J**	0.01	U	0.41
MW-4 Screen 1	Jan/Feb 2003	MW-4-1	NA		NA		**2.2**		0.01	U	8.11
MW-4 Screen 1	April/May 2003	MW-4-1	5.0	U	1.0	U	**3.4**	**J**	0.01	U	0.31
MW-4 Screen 1	July/Aug 2003	MW-4-1	NA		NA		**2.7**	**J**	0.01	U	2.90
MW-4 Screen 1	July/Aug 2003	DUPE-3-3-Q03	NA		NA		**2.5**	**J**	0.01	U	2.40
MW-4 Screen 2	Jan/Feb 2003	MW-4-2	NA		NA		**4.8**		0.01	U	9.32
MW-4 Screen 2	April/May 2003	MW-4-2	5.0	U	1.0	U	**6.4**	**J**	0.01	U	1.04
MW-4 Screen 2	July/Aug 2003	MW-4-2	NA		NA		**5.2**	**J**	0.01	U	3.40
MW-4 Screen 3	Jan/Feb 2003	MW-4-3	NA		NA		**4.3**		0.01	U	20.70
MW-4 Screen 3	April/May 2003	MW-4-3	5.0	U	1.0	U	**3.8**	**J**	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 4	April/May 2003	MW-4-4	5.0	U	1.0	U	**3.5**	**J**	0.01	U	1.94
MW-4 Screen 4	April/May 2003	DUPE-1-2Q03	5.0	U	1.0	U	**2.8**	**J**	0.01	U	1.94
MW-4 Screen 5	April/May 2003	MW-4-5	5.0	U	1.0	U	**3.0**	**J**	0.01	U	4.86
MW-5	Jan/Feb 2003	MW-5	NA		NA		**6.8**		0.01	U	0.06
MW-5	April/May 2003	MW-5	5.0	U	1.0	U	**3.1**	**J**	0.01	U	2.64
MW-5	July/Aug 2003	MW-5	NA		NA		**3.1**	**J**	0.01	U	80.00
MW-6	Jan/Feb 2003	MW-6	NA		NA		**6.4**		0.01	U	0.33
MW-6	April/May 2003	MW-6	5.0	U	1.0	U	**7.1**	**J**	0.01	U	8.17
MW-6	July/Aug 2003	MW-6	NA		NA		**6.6**	**J**	0.01	U	22.20
MW-7	Jan/Feb 2003	MW-7	NA		NA		**7.4**		0.01	U	0.06
MW-7	Jan/Feb 2003	DUPE-6-1Q03	NA		NA		**7.3**		0.01	U	0.06
MW-7	April/May 2003	MW-7	5.0	U	1.0	U	**4.9**		0.01	U	1.20
MW-7	July/Aug 2003	MW-7	NA		NA		**4.6**	**J**	0.01	U	0.08
MW-8	Jan/Feb 2003	MW-8	NA		NA		**9.4**		0.01	U	0.25
MW-8	April/May 2003	MW-8	**2.0**	**J**	1.0	U	**1.4**	**J**	0.01	U	0.04
MW-8	July/Aug 2003	MW-8	NA		NA		**3.6**	**J**	0.01	U	4.90

TABLE 3-7
SUMMARY OF METALS ANALYSES OF GROUNDWATER SAMPLES COLLECTED FROM JPL MONITORING WELLS
JULY - AUGUST 2003

Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Events	Sample Number	Arsenic (ug/L)		Lead (ug/L)		Total Chromium (ug/L)		Hexavalent Chromium (mg/L)		Field Turbidity (NTU)
MW-9	April/May 2003	MW-9	**2.1**	**J**	**0.5**	**J**	**4.3**		0.01	U	8.99
MW-10	Jan/Feb 2003	MW-10	NA		NA		**11.0**		0.01	U	0.05
MW-10	April/May 2003	MW-10	5.0	U	**0.2**	**J**	**8.1**	**J**	0.01	U	0.18
MW-10	July/Aug 2003	MW-10	NA		NA		**11.0**	**J**	0.01	U	14.00
MW-11 Screen 1	Jan/Feb 2003	MW-11-1	NA		NA		**2.6**		0.01	U	0.10
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 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 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 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 5	April/May 2003	MW-11-5	5.0	U	1.0	U	**1.1**		0.01	U	1.74
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 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 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 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 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-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-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 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

TABLE 3-7
SUMMARY OF METALS ANALYSES OF GROUNDWATER SAMPLES COLLECTED FROM JPL MONITORING WELLS
JULY - AUGUST 2003

Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Events	Sample Number	Arsenic (ug/L)		Lead (ug/L)		Total Chromium (ug/L)		Hexavalent Chromium (mg/L)		Field Turbidity (NTU)
MW-14 Screen 2	July/Aug 2003	MW-14-2	NA		NA		**1.9**	**J**	0.01	U	0.10
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 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 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-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-16	Jan/Feb 2003	MW-16	NA		NA		**7.2**		0.01	U	0.06
MW-16	April/May 2003	MW-16	5.0	U	1.0	U	**4.5**	**J**	0.01	U	0.11
MW-16	July/Aug 2003	MW-16	NA		NA		**2.7**	**J**	0.01	U	2.90
MW-17 Screen 1	April/May 2003	MW-17-1	5.0	U	1.0	U	**2.9**		0.01	U	0.28
MW-17 Screen 2	Jan/Feb 2003	MW-17-2	NA		NA		**2.1**		0.01	U	4.82
MW-17 Screen 2	April/May 2003	MW-17-2	5.0	U	**0.1**	**J**	**2.0**		0.01	U	1.02
MW-17 Screen 2	July/Aug 2003	MW-17-2	NA		NA		**2.6**	**J**	0.01	U	2.30
MW-17 Screen 3	Jan/Feb 2003	MW-17-3	NA		NA		**3.8**		0.01	U	7.56
MW-17 Screen 3	April/May 2003	MW-17-3	5.0	U	**0.2**	**J**	**3.0**		0.01	U	8.98
MW-17 Screen 3	July/Aug 2003	MW-17-3	NA		NA		**4.0**	**J**	0.01	U	16.30
MW-17 Screen 4	Jan/Feb 2003	MW-17-4	NA		NA		**2.5**		0.01	U	2.30
MW-17 Screen 4	April/May 2003	MW-17-4	**2.2**	**J**	**0.2**	**J**	**2.2**		0.01	U	3.57
MW-17 Screen 4	July/Aug 2003	MW-17-4	NA		NA		**1.9**	**J**	0.01	U	2.03
MW-17 Screen 5	April/May 2003	MW-17-5	**3.2**	**J**	**0.6**	**J**	**1.6**		0.01	U	331.00
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 2	Jan/Feb 2003	MW-18-2	NA		NA		**3.6**		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		**2.1**	**J**	0.01	U	4.30
MW-18 Screen 3	Jan/Feb 2003	MW-18-3	NA		NA		**7.8**		0.01	U	0.12
MW-18 Screen 3	April/May 2003	MW-18-3	5.0	UJ	1.0	U	**5.4**	**J**	0.01	U	0.22
MW-18 Screen 3	July/Aug 2003	MW-18-3	NA		NA		**5.9**	**J**	0.01	U	0.00
MW-18 Screen 4	Jan/Feb 2003	MW-18-4	NA		NA		**4.1**		0.01	U	1.19
MW-18 Screen 4	April/May 2003	MW-18-4	5.0	UJ	**0.1**	**J**	**2.0**	**J**	0.01	U	0.44

TABLE 3-7
SUMMARY OF METALS ANALYSES OF GROUNDWATER SAMPLES COLLECTED FROM JPL MONITORING WELLS
JULY - AUGUST 2003

Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Events	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	DUPE-7-2Q03	5.0	UJ	**0.1**	**J**	**2.2**	**J**	0.01	U	0.44
MW-18 Screen 4	July/Aug 2003	MW-18-4	NA		NA		**2.7**	**J**	0.01	U	34.30
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-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	**1.7**	**J**	0.01	U	28.30
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	**4.2**	**J**	0.01	U	6.23
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	**5.0**	**J**	0.01	U	3.03
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	**2.4**	**J**	0.01	U	0.54
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	**2.5**	**J**	0.01	U	3.84
MW-20 Screen 1	Jan/Feb 2003	MW-20-1	NA		NA		**2.8**		0.01	U	0.41
MW-20 Screen 1	Jan/Feb 2003	DUPE-1-1Q03	NA		NA		**2.5**		0.01	U	0.41
MW-20 Screen 1	April/May 2003	MW-20-1	5.0	U	1.0	U	**2.4**	**J**	0.01	U	0.12
MW-20 Screen 1	April/May 2003	DUPE-3-2Q03	5.0	U	1.0	U	**2.1**	**J**	0.01	U	0.12
MW-20 Screen 1	July/Aug 2003	MW-20-1	NA		NA		**1.8**	**J**	0.01	U	1.02
MW-20 Screen 2	Jan/Feb 2003	MW-20-2	NA		NA		**2.2**		0.01	U	0.11
MW-20 Screen 2	April/May 2003	MW-20-2	5.0	U	1.0	U	**2.1**	**J**	0.01	U	0.06
MW-20 Screen 2	July/Aug 2003	MW-20-2	NA		NA		**1.5**	**J**	0.01	U	0.12
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	**4.2**	**J**	0.01	U	0.08
MW-20 Screen 3	July/Aug 2003	MW-20-3	NA		NA		**4.0**	**J**	0.01	U	0.25
MW-20 Screen 3	July/Aug 2003	DUPE-2-3-Q03	NA		NA		**4.0**	**J**	0.01	U	0.00
MW-20 Screen 4	Jan/Feb 2003	MW-20-4	NA		NA		**2.4**		0.01	U	5.14
MW-20 Screen 4	April/May 2003	MW-20-4	5.0	U	1.0	U	**2.2**	**J**	0.01	U	0.85
MW-20 Screen 4	July/Aug 2003	MW-20-4	NA		NA		**1.9**	**J**	0.01	U	10.35
MW-20 Screen 5	Jan/Feb 2003	MW-20-5	NA		NA		**2.7**		0.01	U	0.87
MW-20 Screen 5	April/May 2003	MW-20-5	5.0	U	1.0	U	**1.7**	**J**	0.01	U	0.13
MW-20 Screen 5	July/Aug 2003	MW-20-5	NA		NA		**1.6**	**J**	0.01	U	0.21
MW-21 Screen 1	Jan/Feb 2003	MW-21-1	NA		NA		**4.8**		0.01	U	1.64
MW-21 Screen 1	April/May 2003	MW-21-1	5.0	U	1.0	U	**3.5**	**J**	0.01	U	2.74
MW-21 Screen 1	July/Aug 2003	MW-21-1	NA		NA		**3.8**	**J**	0.01	U	0.18
MW-21 Screen 2	Jan/Feb 2003	MW-21-2	NA		NA		**6.7**		0.01	U	0.63
MW-21 Screen 2	April/May 2003	MW-21-2	5.0	U	1.0	U	**4.8**	**J**	0.01	U	0.93
MW-21 Screen 2	July/Aug 2003	MW-21-2	NA		NA		**4.2**	**J**	0.01	U	0.15

TABLE 3-7
SUMMARY OF METALS ANALYSES OF GROUNDWATER SAMPLES COLLECTED FROM JPL MONITORING WELLS
JULY - AUGUST 2003

Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Events	Sample Number	Arsenic (ug/L)		Lead (ug/L)		Total Chromium (ug/L)		Hexavalent Chromium (mg/L)		Field Turbidity (NTU)
MW-21 Screen 3	Jan/Feb 2003	MW-21-3	NA		NA		**5.9**		0.01	U	1.07
MW-21 Screen 3	April/May 2003	MW-21-3	5.0	U	1.0	U	**3.7**	**J**	0.01	U	0.31
MW-21 Screen 3	July/Aug 2003	MW-21-3	NA		NA		**3.7**	**J**	0.01	U	0.59
MW-21 Screen 4	Jan/Feb 2003	MW-21-4	NA		NA		**4.7**		0.01	U	0.36
MW-21 Screen 4	April/May 2003	MW-21-4	**2.2**	**J**	1.0	U	**3.8**	**J**	0.01	U	0.24
MW-21 Screen 4	July/Aug 2003	MW-21-4	NA		NA		**4.0**	**J**	0.01	U	0.55
MW-21 Screen 5	Jan/Feb 2003	MW-21-5	NA		NA		**5.7**		0.01	U	1.31
MW-21 Screen 5	April/May 2003	MW-21-5	5.0	U	1.0	U	**2.7**	**J**	0.01	U	0.06
MW-21 Screen 5	July/Aug 2003	MW-21-5	NA		NA		**2.9**	**J**	0.01	U	1.17
MW-22 Screen 1	Jan/Feb 2003	MW-22-1	NA		NA		**4.1**		0.01	U	18.30
MW-22 Screen 1	April/May 2003	MW-22-1	5.0	U	1.0	U	**1.9**	**J**	0.01	U	0.17
MW-22 Screen 1	July/Aug 2003	MW-22-1	NA		NA		**4.2**	**J**	0.01	U	5.60
MW-22 Screen 2	Jan/Feb 2003	MW-22-2	NA		NA		**3.5**		0.01	U	0.85
MW-22 Screen 2	Jan/Feb 2003	DUPE-5-1Q03	NA		NA		**3.2**		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		**2.7**	**J**	0.01	U	0.75
MW-22 Screen 2	July/Aug 2003	DUPE-5-3-Q03	NA		NA		**2.5**	**J**	0.01	U	4.80
MW-22 Screen 3	Jan/Feb 2003	MW-22-3	NA		NA		**3.6**		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		**2.9**	**J**	0.01	U	0.70
MW-22 Screen 4	April/May 2003	MW-22-4	5.0	U	1.0	U	**2.4**	**J**	0.01	U	0.07
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-23 Screen 1	Jan/Feb 2003	MW-23-1	NA		NA		**3.4**		0.01	U	5.77
MW-23 Screen 1	April/May 2003	MW-23-1	5.0	U	1.0	U	**4.4**		0.01	U	15.30
MW-23 Screen 1	July/Aug 2003	MW-23-1	NA		NA		**4.2**	**J**	0.01	U	4.60
MW-23 Screen 2	Jan/Feb 2003	MW-23-2	NA		NA		**3.8**		0.01	U	0.52
MW-23 Screen 2	April/May 2003	MW-23-2	5.0	U	1.0	U	**2.9**		0.01	U	0.05
MW-23 Screen 2	July/Aug 2003	MW-23-2	NA		NA		**3.9**	**J**	0.01	U	0.60
MW-23 Screen 3	Jan/Feb 2003	MW-23-3	NA		NA		**3.9**		0.01	U	1.12
MW-23 Screen 3	April/May 2003	MW-23-3	5.0	U	1.0	U	**3.7**		0.01	U	0.32
MW-23 Screen 3	July/Aug 2003	MW-23-3	NA		NA		**3.5**	**J**	0.01	U	6.80
MW-23 Screen 4	Jan/Feb 2003	MW-23-4	NA		NA		**2.5**		0.01	U	0.12
MW-23 Screen 4	April/May 2003	MW-23-4	5.0	U	1.0	U	**2.2**		0.01	U	0.12
MW-23 Screen 4	July/Aug 2003	MW-23-4	NA		NA		**2.6**	**J**	0.01	U	0.30
MW-23 Screen 5	April/May 2003	MW-23-5	**3.2**	**J**	**0.6**	**J**	**1.7**		0.01	U	0.89
MW-24 Screen 1	Jan/Feb 2003	MW-24-1	NA		NA		**4.9**		0.01	U	3.78
MW-24 Screen 1	April/May 2003	MW-24-1	5.0	U	1.0	U	**5.7**		0.01	U	7.98
MW-24 Screen 1	July/Aug 2003	MW-24-1	NA		NA		**3.0**		0.01	U	4.90
MW-24 Screen 2	Jan/Feb 2003	MW-24-2	NA		NA		**2.4**		0.01	U	1.68

TABLE 3-7
SUMMARY OF METALS ANALYSES OF GROUNDWATER
SAMPLES COLLECTED FROM JPL MONITORING WELLS
JULY - AUGUST 2003

Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Events	Sample Number	Arsenic (ug/L)	Lead (ug/L)	Total Chromium (ug/L)		Hexavalent Chromium (mg/L)		Field Turbidity (NTU)
MW-24 Screen 2	April/May 2003	MW-24-2	5.0 U	1.0 U	**2.3**		0.01	U	2.28
MW-24 Screen 2	April/May 2003	DUPE-4-2Q03	5.0 U	1.0 U	**2.0**		0.01	U	2.28
MW-24 Screen 2	July/Aug 2003	MW-24-2	NA	NA	**2.0**		0.01	U	6.10
MW-24 Screen 3	Jan/Feb 2003	MW-24-3	NA	NA	**2.5**		0.01	U	4.99
MW-24 Screen 3	April/May 2003	MW-24-3	**4.4 J**	1.0 U	**2.2**		0.01	U	0.87
MW-24 Screen 3	July/Aug 2003	MW-24-3	NA	NA	**1.3**		0.01	U	2.90
MW-24 Screen 4	Jan/Feb 2003	MW-24-4	NA	NA	**1.5**		0.01	U	0.22
MW-24 Screen 4	April/May 2003	MW-24-4	5.0 U	1.0 U	**0.3**	**J**	0.01	U	2.81
MW-24 Screen 4	July/Aug 2003	MW-24-4	NA	NA	**0.7**	**J**	0.01	U	0.55
MW-24 Screen 5	April/May 2003	MW-24-5	**2.7 J**	1.0 U	**4.1**		0.01	U	0.30
California Maximum Contaminant Level (MCL)			50.0	15.0[(1)]	50.0		0.050[(2)]		NE
EPA Region IX Maximum Contaminant Level			50.0	15.0[(1)]	100.0		NE		NE

Notes

DUPE	Field Duplicate
J	Indicates an estimated value.
MCL	Maximum Contaminant Level
mg/L	Milligrams per liter
ug/L	Micrograms per liter
NA	Not analyzed for this metal during this quarter.
NE	Not established
NTU	Nepthalometric Turbidity Unit
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.
(1)	Interim Action Level - California Department of Health Services
(2)	As of January 6, 2004, hexavalent chromium is regulated under the 50-microgram per liter (µg/L) maximum contaminant level (MCL) for total chromium. DHS will be adopting an MCL that is specific for hexavalent chromium (DHS, 2004).

TABLE 3-8
SUMMARY OF CONTAMINANTS DETECTED IN QUALITY CONTROL SAMPLES
COLLECTED DURING THE JULY - AUGUST 2003 SAMPLING EVENT
(All concentrations reported in micrograms per liter)

Blank Type	Sample ID Number	Sampling Location(s)	2-Butanone	4-Methyl-2-Pentanone (MIBK)	Methylene Chloride
Equipment Blank	EB-1-7-29-03	MW-21	**7 J**	10 U	0.5 U
Equipment Blank	EB-5-8-6-03	MW-14, MW-23	10 U	10 U	**0.5 J**
Trip Blank	TB-1-7-29-03	MW-21	10 U	**2 J**	**2.5**
Trip Blank	TB-2-7/30/03	MW-3, MW-17, MW-19	10 U	**2 J**	**2.3**
Trip Blank	TB-3-7-31-03	MW-20	10 U	**2 J**	**3.1**
Trip Blank	TB-4-8-4-03	MW-4, MW-18	10 U	10 U	**0.6**
Trip Blank	TB-5-8-6-03	MW-14, MW-23	10 U	10 U	**1.6**
Trip Blank	TB-6-8-7-03	MW-11, MW-14, MW-24	10 U	10 U	**1.3**
Trip Blank	TB-7-8-11-03	MW-12, MW-22	10 U	10 U	**0.4 J**

Notes

J Indicates an estimated value.

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

TABLE 5-1
GROUNDWATER MONITORING WELL WATER LEVEL MEASUREMENTS
JULY 28 & 29, 2003

Well Number	Screen Number	Date Measured	Depth to Water (Ft.)	Reference Elevation (Ft. + MSL)	Water Level Elevation (Ft. + MSL)
MW-1	Shallow	7/29/03	28.95	1,116.69	1,087.74
MW-3	1 (top)	7/28/03	NA	1,100.34	NA
	2	7/28/03	97.35	1,100.34	1,002.99
	3	7/28/03	99.40	1,100.34	1,000.94
	4	7/28/03	103.57	1,100.34	996.77
	5	7/28/03	NA	1,100.34	NA
MW-4	1 (top)	7/28/03	NA	1,082.84	NA
	2	7/28/03	NA	1,082.84	NA
	3	7/28/03	78.36	1,082.84	1,004.48
	4	7/28/03	79.40	1,082.84	1,003.44
	5	7/28/03	NA	1,082.84	NA
MW-5	Shallow	7/29/03	61.16	1,071.62	1,010.46
MW-6	Shallow	7/29/03	175.69	1,188.54	1,012.85
MW-7	Shallow	7/29/03	200.45	1,212.90	1,012.45
MW-8	Shallow	7/29/03	126.63	1,139.55	1,012.92
MW-9	Shallow	7/29/03	23.4	1,106.06	1,082.66
MW-10	Shallow	7/29/03	77.4	1,087.73	1,010.33
MW-11	1 (top)	7/28/03	146.04	1,139.30	993.26
	2	7/28/03	NA	1,139.30	NA
	3	7/28/03	NA	1,139.30	NA
	4	7/28/03	127.80	1,139.30	1,011.50
	5	7/28/03	144.58	1,139.30	994.72
MW-12	1 (top)	7/28/03	88.55	1,102.14	1,013.59
	2	7/28/03	95.32	1,102.14	1,006.82
	3	7/28/03	96.49	1,102.14	1,005.65
	4	7/28/03	97.69	1,102.14	1,004.45
	5	7/28/03	NA	1,102.14	NA
MW-13	Shallow	7/29/03	171.03	1,183.49	1,012.46
MW-14	1 (top)	7/28/03	NA	1,173.47	NA
	2	7/28/03	NA	1,173.47	NA
	3	7/28/03	161.66	1,173.47	1,011.81
	4	7/28/03	169.29	1,173.47	1,004.18
	5	7/28/03	160.14	1,173.47	1,013.33
MW-15	Shallow	7/29/03	34.34	1,120.68	1,086.34
MW-16	Shallow	7/29/03	223.98	1,236.29	1,012.31
MW-17	1 (top)	7/28/03	NA	1,191.21	NA
	2	7/28/03	197.58	1,191.21	993.63
	3	7/28/03	NA	1,191.21	NA
	4	7/28/03	199.78	1,191.21	991.43
	5	7/28/03	196.59	1,191.21	994.62

TABLE 5-1
GROUNDWATER MONITORING WELL WATER LEVEL MEASUREMENTS
JULY 28 & 29, 2003

Well Number	Screen Number	Date Measured	Depth to Water (Ft.)	Reference Elevation (Ft. + MSL)	Water Level Elevation (Ft. + MSL)
MW-18	1 (top)	7/28/03	265.82	1,225.41	959.59
	2	7/28/03	NA	1,225.41	NA
	3	7/28/03	NA	1,225.41	NA
	4	7/28/03	274.03	1,225.41	951.38
	5	7/28/03	255.47	1,225.41	969.94
MW-19	1 (top)	7/28/03	145.54	1,142.94	997.40
	2	7/28/03	147.02	1,142.94	995.92
	3	7/28/03	146.55	1,142.94	996.39
	4	7/28/03	147.92	1,142.94	995.02
	5	7/28/03	147.99	1,142.94	994.95
MW-20	1 (top)	7/28/03	181.74	1,165.05	983.31
	2	7/28/03	182.24	1,165.05	982.81
	3	7/28/03	NA	1,165.05	NA
	4	7/28/03	177.83	1,165.05	987.22
	5	7/28/03	177.32	1,165.05	987.73
MW-21	1 (top)	7/28/03	49.40	1,059.10	1,009.70
	2	7/28/03	NA	1,059.10	NA
	3	7/28/03	51.70	1,059.10	1,007.40
	4	7/28/03	47.95	1,059.10	1,011.15
	5	7/28/03	50.77	1,059.10	1,008.33
MW-22	1 (top)	7/28/03	NA	1,176.98	NA
	2	7/28/03	122.18	1,176.98	1,054.80
	3	7/28/03	113.93	1,176.98	1,063.05
	4	7/28/03	88.94	1,176.98	1,088.04
	5	7/28/03	NA	1,176.98	NA
MW-23	1 (top)	7/28/03	97.31	1,108.84	1,011.53
	2	7/28/03	NA	1,108.84	NA
	3	7/28/03	100.50	1,108.84	1,008.34
	4	7/28/03	103.53	1,108.84	1,005.31
	5	7/28/03	103.80	1,108.84	1,005.04
MW-24	1 (top)	7/28/03	188.05	1,200.94	1,012.89
	2	7/28/03	NA	1,200.94	NA
	3	7/28/03	223.44	1,200.94	977.50
	4	7/28/03	196.60	1,200.94	1,004.34
	5	7/28/03	NA	1,200.94	NA

Notes

Ft. Feet

MSL Mean Sea Level

NA Water level data not available during this event due to instrument error.

TABLE 5-2
GROUNDWATER MONITORING WELL WATER LEVEL MEASUREMENTS
AUGUST 27 & 28, 2003

Well Number	Screen Number	Date Measured	Depth to Water (Ft.)	Reference Elevation (Ft. + MSL)	Water Level Elevation (Ft. + MSL)
MW-1	Shallow	8/27/03	34.23	1,116.69	1,082.46
MW-3	1 (top)	8/28/03	101.29	1,100.34	999.05
	2	8/28/03	NA	1,100.34	NA
	3	8/28/03	103.13	1,100.34	997.21
	4	8/28/03	109.57	1,100.34	990.77
	5	8/28/03	109.36	1,100.34	990.98
MW-4	1 (top)	8/28/03	78.62	1,082.84	1,004.22
	2	8/28/03	83.03	1,082.84	999.81
	3	8/28/03	83.50	1,082.84	999.34
	4	8/28/03	84.55	1,082.84	998.29
	5	8/28/03	84.73	1,082.84	998.11
MW-5	Shallow	8/27/03	66.8	1,071.62	1,004.82
MW-6	Shallow	8/27/03	128.67	1,188.54	1,059.87
MW-7	Shallow	8/27/03	205.99	1,212.90	1,006.91
MW-8	Shallow	8/27/03	132.29	1,139.55	1,007.26
MW-9	Shallow	8/27/03	27.49	1,106.06	1,078.57
MW-10	Shallow	8/27/03	82.35	1,087.73	1,005.38
MW-11	1 (top)	8/28/03	111.88	1,139.30	1,027.42
	2	8/28/03	NA	1,139.30	NA
	3	8/28/03	NA	1,139.30	NA
	4	8/28/03	132.57	1,139.30	1,006.73
	5	8/28/03	150.25	1,139.30	989.05
MW-12	1 (top)	8/28/03	95.50	1,102.14	1,006.64
	2	8/28/03	101.06	1,102.14	1,001.08
	3	8/28/03	102.00	1,102.14	1,000.14
	4	8/28/03	103.05	1,102.14	999.09
	5	8/28/03	107.20	1,102.14	994.94
MW-13	Shallow	8/27/03	176.21	1,183.49	1,007.28
MW-14	1 (top)	8/28/03	NA	1,173.47	NA
	2	8/28/03	164.60	1,173.47	1,008.87
	3	8/28/03	165.25	1,173.47	1,008.22
	4	8/28/03	165.39	1,173.47	1,008.08
	5	8/28/03	165.85	1,173.47	1,007.62
MW-15	Shallow	8/27/03	67.55	1,120.68	1,053.13
MW-16	Shallow	8/27/03	229.1	1,236.29	1,007.19
MW-17	1 (top)	8/28/03	NA	1,191.21	NA
	2	8/28/03	203.50	1,191.21	987.71
	3	8/28/03	212.76	1,191.21	978.45
	4	8/28/03	207.16	1,191.21	984.05
	5	8/28/03	202.68	1,191.21	988.53

TABLE 5-2
GROUNDWATER MONITORING WELL WATER LEVEL MEASUREMENTS
AUGUST 27 & 28, 2003

Well Number	Screen Number	Date Measured	Depth to Water (Ft.)	Reference Elevation (Ft. + MSL)	Water Level Elevation (Ft. + MSL)
MW-18	1 (top)	8/28/03	234.82	1,225.41	990.59
	2	8/28/03	329.72	1,225.41	895.69
	3	8/28/03	235.68	1,225.41	989.73
	4	8/28/03	242.82	1,225.41	982.59
	5	8/28/03	244.79	1,225.41	980.62
MW-19	1 (top)	8/28/03	150.66	1,142.94	992.28
	2	8/28/03	152.38	1,142.94	990.56
	3	8/28/03	151.89	1,142.94	991.05
	4	8/28/03	154.03	1,142.94	988.91
	5	8/28/03	154.07	1,142.94	988.87
MW-20	1 (top)	8/28/03	190.46	1,165.05	974.59
	2	8/28/03	191.24	1,165.05	973.81
	3	8/28/03	209.49	1,165.05	955.56
	4	8/28/03	193.20	1,165.05	971.85
	5	8/28/03	182.33	1,165.05	982.72
MW-21	1 (top)	8/28/03	53.43	1,059.10	1,005.67
	2	8/28/03	52.96	1,059.10	1,006.14
	3	8/28/03	53.40	1,059.10	1,005.70
	4	8/28/03	53.07	1,059.10	1,006.03
	5	8/28/03	54.76	1,059.10	1,004.34
MW-22	1 (top)	8/28/03	169.35	1,176.98	1,007.63
	2	8/28/03	170.39	1,176.98	1,006.59
	3	8/28/03	170.46	1,176.98	1,006.52
	4	8/28/03	173.60	1,176.98	1,003.38
	5	8/28/03	175.67	1,176.98	1,001.31
MW-23	1 (top)	8/28/03	NA	1,108.84	NA
	2	8/28/03	104.64	1,108.84	1,004.20
	3	8/28/03	105.02	1,108.84	1,003.82
	4	8/28/03	NA	1,108.84	NA
	5	8/28/03	108.38	1,108.84	1,000.46
MW-24	1 (top)	8/28/03	193.85	1,200.94	1,007.09
	2	8/28/03	197.46	1,200.94	1,003.48
	3	8/28/03	198.32	1,200.94	1,002.62
	4	8/28/03	201.48	1,200.94	999.46
	5	8/28/03	204.47	1,200.94	996.47

Notes

Ft. Feet

MSL Mean Sea Level

NA Water level data not available during this event due to instrument error.