Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-1 4/29/1986	MW-1 7/22/1986	MW-1 10/23/1989	MW-1 10/24/1995	MW-1 9/21/1999	MW-1 3/28/2000	MW-1 4/25/2008	MW-2 4/29/1986	MW-2 7/22/1986	MW-2 1/29/1992	MW-2 6/22/1993
1,4-Dioxane															
1,4-Dioxane	6.4	32		0.67											
Anions															
Nitrate As N	10000	10000	10000	58000				400							
Cyanide															
Cyanide, Free	200	200	200	730					10 U	10 U					
Cyanide, Total	200	200		730					10 U	10 U					
Cyanide, Free															
Cyanide, Free	200	200	200	730		5		5 U			10 U		12	16	20
Cyanide, Total															
Cyanide, Total	200	200		730	40	20 U		5 U			10 U	1060	1040	1500	120
Other															
ALKALINITY, BICARBONATE									190000	190000					
ALKALINITY, TOTAL							170000	190000	190000	190000					
Bromide					1 U	2 U		500 U				1 U	2 U	2 U	2 U
Carbonate								5000 U							
Chloride		250000						5000 U	7500	16000					
Dissolved Oxygen							9100								
Fluoride	4000	4000		1500				20							
Hardness, As CaCO3							170000	180000	180000	200000					
pH					11.31 SU		7.74 SU	7.72 SU				5.12 SU			
Silica								500							
Specific Conductance					325 umhos/cm			430 umhos/cm				340 umhos/cm			
Sulfate								3000 U	1000 U	3600					
Temperature (C)					17 C							13.5 C			
Total Dissolved Solids							200000	220000	210000	230000					
Total Suspended Solids							21000								
Turbidity															
TDS															
Total Dissolved Solids															
Petroleum Hydrocarbons															
Petroleum Hydrocarbons (TPH)									1000						

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-2 7/13/1994	MW-2 10/27/1995	MW-2 7/17/1996	MW-2 10/22/1997	MW-2 12/9/1998	MW-2 9/21/1999	MW-2 3/20/2000	MW-2 3/30/2000	MW-2 6/21/2001	MW-2 6/14/2002	MW-2 6/4/2003	MW-2 6/10/2004
1,4-Dioxane																
1,4-Dioxane	6.4	32		0.67												
Anions																
Nitrate As N	10000	10000	10000	58000		9900										
Cyanide																
Cyanide, Free	200	200	200	730				1500	200	300	356	360	852	43	247	220
Cyanide, Total	200	200		730				1500	1600	2300	10.1	10	3920	1470	1670	1000
Cyanide, Free																
Cyanide, Free	200	200	200	730	5 U	2800	1700									
Cyanide, Total																
Cyanide, Total	200	200		730	1900	2800	1700									
Other																
ALKALINITY, BICARBONATE										18000		18000				
ALKALINITY, TOTAL						11000				18000		18000				
Bromide					2 U	1800										
Carbonate						5000 U										
Chloride		250000				51000				45000		26000				
Dissolved Oxygen																
Fluoride	4000	4000		1500		10										
Hardness, As CaCO3						55000				50000		38000				
pH						5.74 SU										
Silica						700										
Specific Conductance						360 umhos/cm										
Sulfate						11000				12000		13000				
Temperature (C)																
Total Dissolved Solids						220000				190000		130000				
Total Suspended Solids																
Turbidity																
TDS																
Total Dissolved Solids																
Petroleum Hydrocarbons																
Petroleum Hydrocarbons (TPH)										1000						

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-2 6/21/2005	MW-2 6/23/2006	MW-2 6/28/2007	MW-2 5/8/2008	MW-2 9/17/2008	MW-2 6/24/2009	MW-2 6/25/2010	MW-3 4/29/1986	MW-3 7/22/1986	MW-3 4/15/1987	MW-3 9/22/1999	MW-3 3/20/2000
1,4-Dioxane																
1,4-Dioxane	6.4	32		0.67												
Anions																
Nitrate As N	10000	10000	10000	58000												
Cyanide																
Cyanide, Free	200	200	200	730	280										10 U	0 U
Cyanide, Total	200	200		730	490										10 U	0 U
Cyanide, Free																
Cyanide, Free	200	200	200	730		11	14	100 J	100 J	100 J	45		7	5 U		
Cyanide, Total																
Cyanide, Total	200	200		730		1390	1280	1300	930	980	660	7	20 U	5 U		
Other																
ALKALINITY, BICARBONATE															9900	
ALKALINITY, TOTAL															9900	
Bromide												1 U	2 U	2 U		
Carbonate																
Chloride		250000													20000	
Dissolved Oxygen																
Fluoride	4000	4000		1500												
Hardness, As CaCO3															33000	
pH												5.26 SU				
Silica																
Specific Conductance												68 umhos/cm				
Sulfate															1000 U	
Temperature (C)												19 C				
Total Dissolved Solids															130000	
Total Suspended Solids																
Turbidity																
TDS																
Total Dissolved Solids											124000					
Petroleum Hydrocarbons																
Petroleum Hydrocarbons (TPH)															1000	

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-3 4/3/2000	MW-3 5/7/2008	MW-4 4/29/1986	MW-4 7/22/1986	MW-4 2/28/1991	MW-4 9/28/1999	MW-4 3/29/2000	MW-4 (Cole) 7/8/2010	MW-5 4/29/1986	MW-5 7/22/1986	MW-5 12/11/1998
1,4-Dioxane															
1,4-Dioxane	6.4	32		0.67											
Anions															
Nitrate As N	10000	10000	10000	58000											
Cyanide															
Cyanide, Free	200	200	200	730	10 U					10 U	10 U				0 U
Cyanide, Total	200	200		730	10 U					10 U	10 U				0 U
Cyanide, Free															
Cyanide, Free	200	200	200	730		10 U		8						7	
Cyanide, Total															
Cyanide, Total	200	200		730		10 U	4 U	20 U					4 U	20 U	
Other															
ALKALINITY, BICARBONATE					9800					8400	9800				
ALKALINITY, TOTAL					9800					8400	9800				
Bromide							1 U	2 U	2 U				1 U	2 U	
Carbonate															
Chloride		250000			14000					50000	58000				
Dissolved Oxygen															
Fluoride	4000	4000		1500											
Hardness, As CaCO3					32000					50000	60000				
pH							5.36 SU						6.26 SU		
Silica															
Specific Conductance							270.00 umhos/cm						380 umhos/cm		
Sulfate					2000 U					5500	7600				
Temperature (C)							16.00 C						18 C		
Total Dissolved Solids					95000					130000	180000				
Total Suspended Solids															
Turbidity															
TDS															
Total Dissolved Solids												437000			
Petroleum Hydrocarbons															
Petroleum Hydrocarbons (TPH)										1000					

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-5 9/14/1999	MW-5 3/24/2000	MW-5 Dup 3/24/2000	MW-5 6/19/2001	MW-5 6/11/2002	MW-5 4/24/2008	MW-5 9/5/2008	MW-6 5/15/1986	MW-6 7/22/1986	MW-6 4/28/1994	MW-6 7/11/1994	MW-6 12/11/1998
1,4-Dioxane																
1,4-Dioxane	6.4	32		0.67												
Anions																
Nitrate As N	10000	10000	10000	58000												
Cyanide																
Cyanide, Free	200	200	200	730	10 U	10 U		0 U	0 U							0 U
Cyanide, Total	200	200		730	10 U	10 U		0 U	0 U							0 U
Cyanide, Free																
Cyanide, Free	200	200	200	730						10 U	10 U		5 U	5 U	5 U	
Cyanide, Total																
Cyanide, Total	200	200		730						10 U	10 U	20 U	20 U	5 U	5 U	
Other																
ALKALINITY, BICARBONATE					420000	330000	320000									
ALKALINITY, TOTAL					420000	320000								230000	250000	
Bromide												1 U	2 U			
Carbonate																
Chloride		250000			7500	12000										
Dissolved Oxygen																
Fluoride	4000	4000		1500												
Hardness, As CaCO3					430000	340000	350000							350000	370000	
pH														7.33 SU	7.34 SU	
Silica																
Specific Conductance																
Sulfate					31000	44000	41000									
Temperature (C)																
Total Dissolved Solids					480000	420000	430000							510000	620000	
Total Suspended Solids														5000 U	37000	
Turbidity														5.8 N.T.U.	79 N.T.U.	
TDS																
Total Dissolved Solids																
Petroleum Hydrocarbons																
Petroleum Hydrocarbons (TPH)					1000											

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-6 9/21/1999	MW-6 3/23/2000	MW-6 6/19/2001	MW-6 6/11/2002	MW-6 4/25/2008	MW-6 9/8/2008	MW-7 4/29/1986	MW-7 7/22/1986	MW-7 10/23/1989	MW-7 2/28/1991	MW-7 4/28/1994	MW-7 7/11/1994
1,4-Dioxane																
1,4-Dioxane	6.4	32		0.67												
Anions																
Nitrate As N	10000	10000	10000	58000												
Cyanide																
Cyanide, Free	200	200	200	730	10 U	10 U	0 U	0 U								
Cyanide, Total	200	200		730	10 U	10 U	0 U	0 U								
Cyanide, Free																
Cyanide, Free	200	200	200	730					2.2 B	10 U		5 U			5 U	5 U
Cyanide, Total																
Cyanide, Total	200	200		730					2 B	8.9 B	10 U	20 U			5 U	5 U
Other																
ALKALINITY, BICARBONATE					280000	250000										
ALKALINITY, TOTAL					280000	250000							320000		290000	300000
Bromide											1 U	2 U		2 U	5 U	20 U
Carbonate																
Chloride		250000			20000	21000										
Dissolved Oxygen													6000			
Fluoride	4000	4000		1500												
Hardness, As CaCO3					320000	280000							360000		530000	440000
pH						7 SU					6.79 SU		7.07 SU		6.84 SU	7.19 SU
Silica																
Specific Conductance											650 umhos/cm					
Sulfate					63000	80000										
Temperature (C)											18.5 C					
Total Dissolved Solids					440000	420000							400000		860000	740000
Total Suspended Solids													8000		5000 U	5000 U
Turbidity															3.5 N.T.U.	1.8 N.T.U.
TDS																
Total Dissolved Solids																
Petroleum Hydrocarbons																
Petroleum Hydrocarbons (TPH)					1000											

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-7 9/28/1999	MW-7 4/5/2000	MW-7 5/19/2008	MW-7 10/1/2008	MW-7 6/29/2010	MW-8 4/29/1986	MW-8 7/22/1986	MW-8 9/29/1999	MW-8 4/4/2000	MW-8 5/19/2008	MW-8 6/18/2010	MW-9 12/4/1986
1,4-Dioxane																
1,4-Dioxane	6.4	32		0.67			6.7		7.5							
Anions																
Nitrate As N	10000	10000	10000	58000												
Cyanide																
Cyanide, Free	200	200	200	730	10 U	10 U						10 U	10 U			
Cyanide, Total	200	200		730	10 U	10 U						10 U	10 U			
Cyanide, Free																
Cyanide, Free	200	200	200	730			2.7 B J	10 U			5 U			10 U		
Cyanide, Total																
Cyanide, Total	200	200		730			1.7 B J	10 U		560	20 U			2.1 B J		5 U
Other																
ALKALINITY, BICARBONATE					300000	310000							290000			
ALKALINITY, TOTAL					300000	310000							290000			
Bromide										1 U	2 U					2 U
Carbonate																
Chloride		250000			82000	60000						57000	180000			
Dissolved Oxygen																
Fluoride	4000	4000		1500												
Hardness, As CaCO3					400000	350000						310000	420000			
pH										6.92 SU						
Silica																
Specific Conductance										625 umhos/cm						
Sulfate					44000	38000						27000	32000			
Temperature (C)										20 C						
Total Dissolved Solids					580000	500000						460000	760000			
Total Suspended Solids																
Turbidity																
TDS																
Total Dissolved Solids									965000						809000	
Petroleum Hydrocarbons																
Petroleum Hydrocarbons (TPH)					1000							1000				

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-9 4/15/1987	MW-9 6/16/2005	MW-9 5/9/2008	MW-10 12/4/1986	MW-10 4/15/1987	MW-10 6/22/1993	MW-10 7/15/1994	MW-10 7/16/1996	MW-10 10/22/1997	MW-10 12/8/1998	MW-10 3/27/2000	MW-10 6/22/2001	MW-10 6/14/2002
1,4-Dioxane																	
1,4-Dioxane	6.4	32		0.67													
Anions																	
Nitrate As N	10000	10000	10000	58000													
Cyanide																	
Cyanide, Free	200	200	200	730		10 U							0 U	0 U	10 U	0 U	0 U
Cyanide, Total	200	200		730		10 U							0 U	0 U	10 U	0 U	0 U
Cyanide, Free																	
Cyanide, Free	200	200	200	730	5 U		10 U		5 U	5 U	10 U	5 U					
Cyanide, Total																	
Cyanide, Total	200	200		730	5 U		10 U	5 U	5 U	5 U	5 U	5 U					
Other																	
ALKALINITY, BICARBONATE															93000		
ALKALINITY, TOTAL															93000		
Bromide					2 U			2 U	2 U	10 U	10 U						
Carbonate																	
Chloride		250000													13000		
Dissolved Oxygen																	
Fluoride	4000	4000		1500													
Hardness, As CaCO3															87000		
pH																	
Silica																	
Specific Conductance																	
Sulfate															12000		
Temperature (C)																	
Total Dissolved Solids															140000		
Total Suspended Solids																	
Turbidity																	
TDS																	
Total Dissolved Solids																	
Petroleum Hydrocarbons																	
Petroleum Hydrocarbons (TPH)																	

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-10 6/16/2005	MW-10 5/9/2008	MW-10 9/22/2008	MW-10 6/24/2010	MW-11 5/26/1987	MW-11 10/31/1990	MW-11 2/6/1991	MW-11 4/25/1991	MW-11 6/16/2005	MW-11 4/24/2008	MW-12 5/26/1987	MW-12 10/31/1990	MW-12 2/6/1991
1,4-Dioxane																	
1,4-Dioxane	6.4	32		0.67													
Anions																	
Nitrate As N	10000	10000	10000	58000													
Cyanide																	
Cyanide, Free	200	200	200	730	10 U								10 U				
Cyanide, Total	200	200		730	10 U								10 U				
Cyanide, Free																	
Cyanide, Free	200	200	200	730		10 U	10 U		5 U					2.8 B	5 U		
Cyanide, Total																	
Cyanide, Total	200	200		730		1.9 B	10 U		5 U					10 U	5 U		
Other																	
ALKALINITY, BICARBONATE																	
ALKALINITY, TOTAL																	
Bromide									2 U	1 U	2 U	2 U			2 U	1 U	2 U
Carbonate																	
Chloride		250000															
Dissolved Oxygen																	
Fluoride	4000	4000		1500													
Hardness, As CaCO3																	
pH																	
Silica																	
Specific Conductance																	
Sulfate																	
Temperature (C)																	
Total Dissolved Solids																	
Total Suspended Solids																	
Turbidity																	
TDS																	
Total Dissolved Solids								135000									
Petroleum Hydrocarbons																	
Petroleum Hydrocarbons (TPH)																	

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-12 4/25/1991	MW-12 1/29/1992	MW-12 6/22/1993	MW-12 7/18/1996	MW-12 10/23/1997	MW-12 12/8/1998	MW-12 9/20/1999	MW-12 4/3/2000	MW-12 6/20/2001	MW-12 6/18/2002	MW-12 5/6/2008	MW-12 9/16/2008	MW-14 5/28/1987
1,4-Dioxane																	
1,4-Dioxane	6.4	32		0.67													
Anions																	
Nitrate As N	10000	10000	10000	58000													
Cyanide																	
Cyanide, Free	200	200	200	730					0 U	0 U	10 U	10 U	0 U	0 U			
Cyanide, Total	200	200		730					0 U	0 U	10 U	10 U	0 U	0 U			
Cyanide, Free																	
Cyanide, Free	200	200	200	730		5 U	5 U	5 U							3.7 B	1.6 B J	5 U
Cyanide, Total																	
Cyanide, Total	200	200		730		5 U	5 U	5 U							10 U	10 U	5 U
Other																	
ALKALINITY, BICARBONATE											14000	23000					
ALKALINITY, TOTAL											14000	23000					
Bromide					2 U	2 U	2 U										2 U
Carbonate																	
Chloride		250000										5000 U					
Dissolved Oxygen																	
Fluoride	4000	4000		1500													
Hardness, As CaCO3											33000	16000					
pH																	
Silica																	
Specific Conductance																	
Sulfate											7100	9400					
Temperature (C)																	
Total Dissolved Solids											56000	60000					
Total Suspended Solids																	
Turbidity																	
TDS																	
Total Dissolved Solids																	
Petroleum Hydrocarbons																	
Petroleum Hydrocarbons (TPH)											1000						

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-14 4/24/2008	MW-15 5/28/1987	MW-15 5/8/2008	MW-15 9/26/2008	MW-16D 4/5/1988	MW-16D 4/8/1988	MW-16D 4/8/1988	MW-16D 5/13/2008	MW-16D 6/16/2010	MW-16S 4/5/1988	MW-16S 4/8/1988	MW-16S 5/15/2008	MW-16S 10/2/2008
1,4-Dioxane																	
1,4-Dioxane	6.4	32		0.67													
Anions																	
Nitrate As N	10000	10000	10000	58000													
Cyanide																	
Cyanide, Free	200	200	200	730							50 U						
Cyanide, Total	200	200		730							5 U						
Cyanide, Free																	
Cyanide, Free	200	200	200	730	10 U	5 U	29 J	10 U		50 U		14 J			50 U	10 U	10 U
Cyanide, Total																	
Cyanide, Total	200	200		730	10 U	5 U	10 U	10 U		5 U		10 U			5 U	10 U	10 U
Other																	
ALKALINITY, BICARBONATE																	
ALKALINITY, TOTAL																	
Bromide						2 U			2 U					2 U			
Carbonate																	
Chloride		250000															
Dissolved Oxygen																	
Fluoride	4000	4000		1500													
Hardness, As CaCO3																	
pH																	
Silica																	
Specific Conductance																	
Sulfate																	
Temperature (C)																	
Total Dissolved Solids																	
Total Suspended Solids																	
Turbidity																	
TDS																	
Total Dissolved Solids													293000				
Petroleum Hydrocarbons																	
Petroleum Hydrocarbons (TPH)																	

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-16S 6/28/2010	MW-17 5/27/1987	MW-17 1/30/1992	MW-17 6/24/1993	MW-17 7/14/1994	MW-17 7/16/1996	MW-17 10/22/1997	MW-17 12/10/1998	MW-17 9/14/1999	MW-17 3/23/2000	MW-17 6/20/2001	MW-17 6/11/2002
1,4-Dioxane																
1,4-Dioxane	6.4	32		0.67												
Anions																
Nitrate As N	10000	10000	10000	58000												
Cyanide																
Cyanide, Free	200	200	200	730							0 U	0 U	10 U	10 U	0 U	0 U
Cyanide, Total	200	200		730							0 U	0 U	10 U	10 U	0 U	0 U
Cyanide, Free																
Cyanide, Free	200	200	200	730		5 U	5 U	5 U	5 U	5 U						
Cyanide, Total																
Cyanide, Total	200	200		730		5 U	5 U	10 U	5 U	5 U						
Other																
ALKALINITY, BICARBONATE														52000		
ALKALINITY, TOTAL													52000	52000		
Bromide						2 U	10 U	1 U	1 U							
Carbonate																
Chloride		250000											10000	12000		
Dissolved Oxygen																
Fluoride	4000	4000		1500												
Hardness, As CaCO3													73000	83000		
pH														6.44 SU		
Silica																
Specific Conductance																
Sulfate													1000 U	2500		
Temperature (C)																
Total Dissolved Solids													110000	130000		
Total Suspended Solids																
Turbidity																
TDS																
Total Dissolved Solids					494000											
Petroleum Hydrocarbons																
Petroleum Hydrocarbons (TPH)													1000			

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-17 4/28/2008	MW-17 9/12/2008	MW-17 6/18/2010	MW-18D 4/5/1988	MW-18D 4/8/1988	MW-18D 4/23/2008	MW-18D 10/7/2008	MW-18D 7/1/2010	MW-18S 4/8/1988	MW-18S 5/1/2008	MW-18S Dup 5/1/2008	MW-18S 10/3/2008	MW-18S 6/29/2010
1,4-Dioxane																	
1,4-Dioxane	6.4	32		0.67													
Anions																	
Nitrate As N	10000	10000	10000	58000													
Cyanide																	
Cyanide, Free	200	200	200	730													
Cyanide, Total	200	200		730													
Cyanide, Free																	
Cyanide, Free	200	200	200	730	1.6 B J	1.6 B J			50 U	10 U	2.2 B		50 U	10 U	10 U	10 U	
Cyanide, Total																	
Cyanide, Total	200	200		730	10 U	1.8 B J			5 U	2.4 B J	10 U		5 U	10 U	6.5 B	10 U	
Other																	
ALKALINITY, BICARBONATE																	
ALKALINITY, TOTAL																	
Bromide								2 U					20 U				
Carbonate																	
Chloride		250000															
Dissolved Oxygen																	
Fluoride	4000	4000		1500													
Hardness, As CaCO3																	
pH																	
Silica																	
Specific Conductance																	
Sulfate																	
Temperature (C)																	
Total Dissolved Solids																	
Total Suspended Solids																	
Turbidity																	
TDS																	
Total Dissolved Solids							152000					184000					181000
Petroleum Hydrocarbons																	
Petroleum Hydrocarbons (TPH)																	

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-19 5/27/1987	MW-19 9/22/1999	MW-19 4/3/2000	MW-19 5/14/2008	MW-20D 4/8/1988	MW-20D 5/7/2008	MW-20D 9/5/2008	MW-20M 4/8/1988	MW-20M 5/19/2008	MW-20M 9/11/2008	MW-20S 4/8/1988	MW-20S 10/31/1990	MW-20S 2/7/1991
1,4-Dioxane																	
1,4-Dioxane	6.4	32		0.67													
Anions																	
Nitrate As N	10000	10000	10000	58000													
Cyanide																	
Cyanide, Free	200	200	200	730		10 U	10 U										
Cyanide, Total	200	200		730		10 U	10 U										
Cyanide, Free																	
Cyanide, Free	200	200	200	730	5 U			3 B J	50 U	10 U	10 U		1.8 B J	2.2 B J	50 U		
Cyanide, Total																	
Cyanide, Total	200	200		730	5 U			10 U	5 U	10 U	10 U		10 U	10 U	5 U		
Other																	
ALKALINITY, BICARBONATE						98000	110000										
ALKALINITY, TOTAL						98000	110000										
Bromide					2 U				2 U			20 U			10 U	5 U	10 U
Carbonate																	
Chloride		250000				7500	5000 U										
Dissolved Oxygen																	
Fluoride	4000	4000		1500													
Hardness, As CaCO3						120000	130000										
pH																	
Silica																	
Specific Conductance																	
Sulfate						11000	12000										
Temperature (C)																	
Total Dissolved Solids						160000	160000										
Total Suspended Solids																	
Turbidity																	
TDS																	
Total Dissolved Solids																	
Petroleum Hydrocarbons																	
Petroleum Hydrocarbons (TPH)						1000											

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-20S 4/25/1991	MW-20S 5/20/2008	MW-20S 10/1/2008	MW-21 5/27/1987	MW-21 10/26/1995	MW-21 9/22/1999	MW-21 3/31/2000	MW-22 5/28/1987	MW-22 10/23/1989	MW-22 10/25/1995	MW-22 9/22/1999
1,4-Dioxane															
1,4-Dioxane	6.4	32		0.67											
Anions															
Nitrate As N	10000	10000	10000	58000					2800					2900	
Cyanide															
Cyanide, Free	200	200	200	730						10 U	10 U				10 U
Cyanide, Total	200	200		730						10 U	10 U				10 U
Cyanide, Free															
Cyanide, Free	200	200	200	730		10 U	10 U	5 U	5 U			5 U		10	
Cyanide, Total															
Cyanide, Total	200	200		730		2.3 B J	10 U	5 U	5 U			5 U		10	
Other															
ALKALINITY, BICARBONATE										71000	10000				18000
ALKALINITY, TOTAL									81000	71000	10000		21000	20000	18000
Bromide					10 U			2 U	500 U			2 U		500 U	
Carbonate									5000 U					5000 U	
Chloride		250000							5600	5000 U	5000 U			7400	7500
Dissolved Oxygen													9000		
Fluoride	4000	4000		1500					70					30	
Hardness, As CaCO3									90000	87000	5000		46000	44000	43000
pH									7.73 SU				6.51 SU	6.43 SU	
Silica									400					400	
Specific Conductance									230 umhos/cm					140 umhos/cm	
Sulfate									3000 U	1000 U	4800			15000	16000
Temperature (C)															
Total Dissolved Solids									140000	130000	40000		110000	82000	60000
Total Suspended Solids													22000		
Turbidity															
TDS															
Total Dissolved Solids															
Petroleum Hydrocarbons															
Petroleum Hydrocarbons (TPH)										1000					1000

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-22 3/29/2000	MW-22 Dup 3/29/2000	MW-22 4/28/2008	MW-23 5/28/1987	MW-23 5/29/1987	MW-23 10/25/1995	MW-23 9/22/1999	MW-23 3/27/2000	MW-24 5/28/1987	MW-24 10/25/1995	MW-24 9/22/1999
1,4-Dioxane															
1,4-Dioxane	6.4	32		0.67											
Anions															
Nitrate As N	10000	10000	10000	58000						2600				10000	
Cyanide															
Cyanide, Free	200	200	200	730	10 U						10 U	10 U			10 U
Cyanide, Total	200	200		730	10 U						10 U	10 U			10 U
Cyanide, Free															
Cyanide, Free	200	200	200	730			2.1 B J	5 U	25 U	5 U			5 U	5 U	
Cyanide, Total															
Cyanide, Total	200	200		730			2.6 B	5 U	5 U	5 U			5 U	5 U	
Other															
ALKALINITY, BICARBONATE					14000						120000	92000			150000
ALKALINITY, TOTAL					14000					110000	120000	92000		170000	150000
Bromide									2 U	500 U			2 U	500 U	
Carbonate										5000 U				5000 U	
Chloride		250000			5000 U					5800	7500	5300		13000	10000
Dissolved Oxygen															
Fluoride	4000	4000		1500						50				130	
Hardness, As CaCO3					32000	34000				120000	130000	93000		210000	190000
pH										7.83 SU				7.37 SU	
Silica										400				400	
Specific Conductance										310 umhos/cm				520 umhos/cm	
Sulfate					21000	20000				6300	6600	7300		3000 U	17000
Temperature (C)															
Total Dissolved Solids					75000	56000				180000	170000	130000		270000	240000
Total Suspended Solids															
Turbidity															
TDS															
Total Dissolved Solids															
Petroleum Hydrocarbons															
Petroleum Hydrocarbons (TPH)											1000				1000

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-24 3/31/2000	MW-25 5/27/1987	MW-25 9/27/1999	MW-25 3/23/2000	MW-26 5/26/1987	MW-26 2/28/1991
1,4-Dioxane										
1,4-Dioxane	6.4	32		0.67						
Anions										
Nitrate As N	10000	10000	10000	58000						
Cyanide										
Cyanide, Free	200	200	200	730	10 U		10 U	10 U		
Cyanide, Total	200	200		730	10 U		10 U	10 U		
Cyanide, Free										
Cyanide, Free	200	200	200	730		5 U			5 U	
Cyanide, Total										
Cyanide, Total	200	200		730		5 U			5 U	
Other										
ALKALINITY, BICARBONATE					110000		9700	29000		
ALKALINITY, TOTAL					110000		9700	29000		
Bromide						2 U			2 U	20 U
Carbonate										
Chloride		250000			6500		7500	7000		
Dissolved Oxygen										
Fluoride	4000	4000		1500						
Hardness, As CaCO3					110000		57000	60000		
pH								5.81 SU		
Silica										
Specific Conductance										
Sulfate					3100		15000	19000		
Temperature (C)										
Total Dissolved Solids					140000		63000	95000		
Total Suspended Solids										
Turbidity										
TDS										
Total Dissolved Solids										
Petroleum Hydrocarbons										
Petroleum Hydrocarbons (TPH)							1000			

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-26 9/27/1999	MW-26 4/3/2000	MW-26 5/5/2008	MW-26 9/29/2008	MW-27 5/29/1987	MW-27 1/31/1992	MW-27 9/27/1999	MW-27 4/5/2000	MW-27 5/14/2008	MW-27 9/30/2008	MW-28 5/29/1987	MW-28 10/31/1990	MW-28 2/6/1991
1,4-Dioxane																	
1,4-Dioxane	6.4	32		0.67													
Anions																	
Nitrate As N	10000	10000	10000	58000													
Cyanide																	
Cyanide, Free	200	200	200	730	10 U	10 U					10 U	10 U					
Cyanide, Total	200	200		730	10 U	10 U					10 U	10 U					
Cyanide, Free																	
Cyanide, Free	200	200	200	730			10 U	10 U	5 U	5 U			10 U	10 U	5 U		
Cyanide, Total																	
Cyanide, Total	200	200		730			10 U	10 U	5 U	5 U			10 U	10 U	10		
Other																	
ALKALINITY, BICARBONATE						95000						230000					
ALKALINITY, TOTAL						95000						230000					
Bromide									2 U	2 U						1 U	200 U
Carbonate																	
Chloride		250000			25000	11000					45000	60000					
Fluoride	4000	4000		1500													
Hardness, As CaCO3					250000	130000					270000	290000					
pH																	
Silica																	
Specific Conductance																	
Sulfate					30000	30000					37000	50000					
Temperature (C)																	
Total Dissolved Solids					210000	180000					380000	410000					
Total Suspended Solids																	
Turbidity																	
Polychlorinated Biphenols																	
Arochlor-1016	2.6	7.2	0.5	0.96													
Arochlor-1221	0.33	1.3	0.5	0.0068													
Arochlor-1232	0.33	1.3	0.5	0.0068													
Arochlor-1242	0.33	1.3	0.5	0.034													
Arochlor-1248	0.33	1.3	0.5	0.034													
Arochlor-1254	0.33	1.3	0.5	0.034													
Arochlor-1260	0.33	1.3	0.5	0.034													
PCBs (Total)	0.5	0.5	0.5														
PCBs (Total)	0.5	0.5	0.5	0.17													
PCBs (Total)	0.5	0.5	0.5														
TDS																	
Total Dissolved Solids																	
Petroleum Hydrocarbons																	
Petroleum Hydrocarbons (TPH)					1000						1000						

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-28 4/25/1991	MW-28 10/26/1995	MW-28 9/28/1999	MW-28 3/24/2000	MW-28 5/8/2008	MW-29 6/2/1987	MW-29 10/25/1995	MW-29 9/1/1999	MW-29 3/22/2000	MW-29 4/23/2008	MW-30 5/29/1987	MW-30 9/27/1999
1,4-Dioxane																
1,4-Dioxane	6.4	32		0.67					11							
Anions																
Nitrate As N	10000	10000	10000	58000		4400					3700					
Cyanide																
Cyanide, Free	200	200	200	730			10 U	10 U				10 U	10 U			10 U
Cyanide, Total	200	200		730			10 U	10 U				10 U	10 U			10 U
Cyanide, Free																
Cyanide, Free	200	200	200	730		5 U			2.3 B J	5 U	5 U			10 U	25 U	
Cyanide, Total																
Cyanide, Total	200	200		730		5 U			10 U	5 U	5 U			6.1 B J	5 U	
Other																
ALKALINITY, BICARBONATE							140000	140000				230000	150000			230000
ALKALINITY, TOTAL						180000	140000	140000			150000	230000	150000			230000
Bromide					200 U	910				2 U	3800				2 U	
Carbonate						5000 U					5000 U					
Chloride		250000				79000	150000	220000			470000	640000	2.10E+06			27000
Fluoride	4000	4000		1500		40					10 U					
Hardness, As CaCO3						270000	320000	400000			540000	720000	950000			950000
pH						7.70 SU		7.62 SU			7.70 SU		7.29 SU			
Silica						400					400					
Specific Conductance						770 umhos/cm					2300 umhos/cm					
Sulfate						22000	34000	33000			12000	14000	22000			770000
Temperature (C)																
Total Dissolved Solids						390000	610000	670000			1500000	1900000	4.30E+06			1500000
Total Suspended Solids																
Turbidity																
Polychlorinated Biphenols																
Arochlor-1016	2.6	7.2	0.5	0.96												
Arochlor-1221	0.33	1.3	0.5	0.0068												
Arochlor-1232	0.33	1.3	0.5	0.0068												
Arochlor-1242	0.33	1.3	0.5	0.034												
Arochlor-1248	0.33	1.3	0.5	0.034												
Arochlor-1254	0.33	1.3	0.5	0.034												
Arochlor-1260	0.33	1.3	0.5	0.034												
PCBs (Total)	0.5	0.5	0.5													
PCBs (Total)	0.5	0.5	0.5	0.17												
PCBs (Total)	0.5	0.5	0.5													
TDS																
Total Dissolved Solids																
Petroleum Hydrocarbons																
Petroleum Hydrocarbons (TPH)							1000					1000				1000

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-30 3/22/2000	MW-30 5/7/2008	MW-30 Dup 5/7/2008	MW-31D 9/27/1999	MW-31D 4/3/2000	MW-31D Dup 4/3/2000	MW-31D 5/16/2008	MW-31D 9/24/2008	MW-31S 9/27/1999	MW-31S 3/24/2000	MW-31S 4/28/2008	MW-31S 9/11/2008
1,4-Dioxane																
1,4-Dioxane	6.4	32		0.67												
Anions																
Nitrate As N	10000	10000	10000	58000												
Cyanide																
Cyanide, Free	200	200	200	730	10 U			10 U	10 U				10 U	10 U		
Cyanide, Total	200	200		730	10 U			10 U	10 U				10 U	10 U		
Cyanide, Free																
Cyanide, Free	200	200	200	730		10 U	10 U				10 U	10 U			1.7 B J	4.8 B J
Cyanide, Total																
Cyanide, Total	200	200		730		10 U	10 U				10 U	10 U			10 U	2.2 B
Other																
ALKALINITY, BICARBONATE					230000				240000					220000		
ALKALINITY, TOTAL					230000			220000	240000					220000		
Bromide																
Carbonate																
Chloride		250000			27000			20000	20000	24000			70000	290000		
Fluoride	4000	4000		1500												
Hardness, As CaCO3					5000			250000	240000				260000	470000		
pH					6.66 SU									6.98 SU		
Silica																
Specific Conductance																
Sulfate					900000			10000	8500	6900			8100	22000		
Temperature (C)																
Total Dissolved Solids					1.50E+06			300000	310000	300000			380000	820000		
Total Suspended Solids																
Turbidity																
Polychlorinated Biphenols																
Arochlor-1016	2.6	7.2	0.5	0.96												
Arochlor-1221	0.33	1.3	0.5	0.0068												
Arochlor-1232	0.33	1.3	0.5	0.0068												
Arochlor-1242	0.33	1.3	0.5	0.034												
Arochlor-1248	0.33	1.3	0.5	0.034												
Arochlor-1254	0.33	1.3	0.5	0.034												
Arochlor-1260	0.33	1.3	0.5	0.034												
PCBs (Total)	0.5	0.5	0.5													
PCBs (Total)	0.5	0.5	0.5	0.17												
PCBs (Total)	0.5	0.5	0.5													
TDS																
Total Dissolved Solids																
Petroleum Hydrocarbons																
Petroleum Hydrocarbons (TPH)								1000					1000			

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-32D 10/6/1989	MW-32D 10/30/1990	MW-32D 2/6/1991	MW-32D 4/25/1991	MW-32D 1/30/1992	MW-32D 7/16/1996	MW-32D 10/22/1997	MW-32D 12/10/1998	MW-32D 9/28/1999	MW-32D Dup 9/28/1999	MW-32D 4/6/2000	MW-32D 6/26/2001
1,4-Dioxane																
1,4-Dioxane	6.4	32		0.67												
Anions																
Nitrate As N	10000	10000	10000	58000												
Cyanide																
Cyanide, Free	200	200	200	730							0 U	0 U	10 U		10 U	0 U
Cyanide, Total	200	200		730							0 U	0 U	10 U	10 U	10 U	0 U
Cyanide, Free																
Cyanide, Free	200	200	200	730	50 U				5 U	5 U						
Cyanide, Total																
Cyanide, Total	200	200		730	5 U				5 U	5 U						
Other																
ALKALINITY, BICARBONATE													200000	200000	220000	
ALKALINITY, TOTAL													200000	200000	220000	
Bromide						5000 U	10 U	10 U	5 U							
Carbonate																
Chloride		250000											20000	20000	17000	
Fluoride	4000	4000		1500												
Hardness, As CaCO3													240000	240000	250000	
pH																
Silica																
Specific Conductance																
Sulfate													43000	45000	45000	
Temperature (C)																
Total Dissolved Solids													310000	300000	280000	
Total Suspended Solids																
Turbidity																
Polychlorinated Biphenols																
Arochlor-1016	2.6	7.2	0.5	0.96												
Arochlor-1221	0.33	1.3	0.5	0.0068												
Arochlor-1232	0.33	1.3	0.5	0.0068												
Arochlor-1242	0.33	1.3	0.5	0.034												
Arochlor-1248	0.33	1.3	0.5	0.034												
Arochlor-1254	0.33	1.3	0.5	0.034												
Arochlor-1260	0.33	1.3	0.5	0.034												
PCBs (Total)	0.5	0.5	0.5													
PCBs (Total)	0.5	0.5	0.5	0.17												
PCBs (Total)	0.5	0.5	0.5													
TDS																
Total Dissolved Solids																
Petroleum Hydrocarbons																
Petroleum Hydrocarbons (TPH)													1000			

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-32D 6/14/2002	MW-32D 5/8/2008	MW-32D 10/2/2008	MW-32D 7/14/2009	MW-32S 10/5/1989	MW-32S 10/30/1990	MW-32S 2/6/1991	MW-32S 4/25/1991	MW-32S 1/31/1992	MW-32S 7/16/1996	MW-32S 10/21/1997	MW-32S 12/10/1998
1,4-Dioxane																
1,4-Dioxane	6.4	32		0.67		18		14								
Anions																
Nitrate As N	10000	10000	10000	58000												
Cyanide																
Cyanide, Free	200	200	200	730	0 U										0 U	0 U
Cyanide, Total	200	200		730	0 U										0 U	0 U
Cyanide, Free																
Cyanide, Free	200	200	200	730		10 U	10 U		5 U				5 U	5 U		
Cyanide, Total																
Cyanide, Total	200	200		730		10 U	10 U		5 U				5 U	5 U		
Other																
ALKALINITY, BICARBONATE																
ALKALINITY, TOTAL																
Bromide										250 U	500 U	500 U	200 U			
Carbonate																
Chloride		250000														
Fluoride	4000	4000		1500												
Hardness, As CaCO3																
pH																
Silica																
Specific Conductance																
Sulfate																
Temperature (C)																
Total Dissolved Solids																
Total Suspended Solids																
Turbidity																
Polychlorinated Biphenols																
Arochlor-1016	2.6	7.2	0.5	0.96												
Arochlor-1221	0.33	1.3	0.5	0.0068												
Arochlor-1232	0.33	1.3	0.5	0.0068												
Arochlor-1242	0.33	1.3	0.5	0.034												
Arochlor-1248	0.33	1.3	0.5	0.034												
Arochlor-1254	0.33	1.3	0.5	0.034												
Arochlor-1260	0.33	1.3	0.5	0.034												
PCBs (Total)	0.5	0.5	0.5													
PCBs (Total)	0.5	0.5	0.5	0.17												
PCBs (Total)	0.5	0.5	0.5													
TDS																
Total Dissolved Solids																
Petroleum Hydrocarbons																
Petroleum Hydrocarbons (TPH)																

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-32S 9/29/1999	MW-32S 4/6/2000	MW-32S 6/25/2001	MW-32S 6/14/2002	MW-32S 5/13/2008	MW-32S 9/22/2008	MW-33 7/19/1989	MW-33 6/23/1993	MW-33 7/13/1994	MW-33 10/26/1995	MW-33 9/28/1999	MW-33 3/28/2000
1,4-Dioxane																
1,4-Dioxane	6.4	32		0.67					2.3							
Anions																
Nitrate As N	10000	10000	10000	58000										2900		
Cyanide																
Cyanide, Free	200	200	200	730	10 U	10 U	0 U	0 U							10 U	10 U
Cyanide, Total	200	200		730	10 U	10 U	0 U	0 U							10 U	10 U
Cyanide, Free																
Cyanide, Free	200	200	200	730					3.5 B J	2.6 B J	250 U	10 U	5 U	5 U		
Cyanide, Total																
Cyanide, Total	200	200		730					10 U	10 U	5 U	5 U	5 U	5 U		
Other																
ALKALINITY, BICARBONATE						230000									150000	200000
ALKALINITY, TOTAL						230000								150000	150000	200000
Bromide												1 U	1 U	590		
Carbonate														5000 U		
Chloride		250000			50000	45000								58000	75000	60000
Fluoride	4000	4000		1500										40		
Hardness, As CaCO3					250000	260000								200000	220000	250000
pH														8.12 SU		
Silica														300		
Specific Conductance														610 umhos/cm		
Sulfate					19000	21000								19000	19000	7500
Temperature (C)																
Total Dissolved Solids					370000	340000								340000	380000	370000
Total Suspended Solids																
Turbidity																
Polychlorinated Biphenols																
Arochlor-1016	2.6	7.2	0.5	0.96												
Arochlor-1221	0.33	1.3	0.5	0.0068												
Arochlor-1232	0.33	1.3	0.5	0.0068												
Arochlor-1242	0.33	1.3	0.5	0.034												
Arochlor-1248	0.33	1.3	0.5	0.034												
Arochlor-1254	0.33	1.3	0.5	0.034												
Arochlor-1260	0.33	1.3	0.5	0.034												
PCBs (Total)	0.5	0.5	0.5													
PCBs (Total)	0.5	0.5	0.5	0.17												
PCBs (Total)	0.5	0.5	0.5													
TDS																
Total Dissolved Solids																
Petroleum Hydrocarbons																
Petroleum Hydrocarbons (TPH)					1000										1000	

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-33 5/12/2008	MW-34D 7/19/1989	MW-34D 10/30/1990	MW-34D 2/6/1991	MW-34D 4/25/1991	MW-34D 1/31/1992	MW-34D 9/28/1999	MW-34D Dup 9/28/1999	MW-34D 4/5/2000	MW-34D 6/13/2002	MW-34D 5/6/2008	MW-34D 9/17/2008
1,4-Dioxane																
1,4-Dioxane	6.4	32		0.67												
Anions																
Nitrate As N	10000	10000	10000	58000												
Cyanide																
Cyanide, Free	200	200	200	730							10 U		10 U	0 U		
Cyanide, Total	200	200		730							10 U		10 U	0 U		
Cyanide, Free																
Cyanide, Free	200	200	200	730	4.2 B J	250 U				5 U					10 U	10 U
Cyanide, Total																
Cyanide, Total	200	200		730	10 U	5 U				5 U					10 U	10 U
Other																
ALKALINITY, BICARBONATE													210000			
ALKALINITY, TOTAL												180000	210000			
Bromide							10 U	2 U	5 U	2 U						
Carbonate																
Chloride		250000									57000	55000	85000			
Fluoride	4000	4000		1500												
Hardness, As CaCO3											230000		280000			
pH																
Silica																
Specific Conductance																
Sulfate											30000	29000	28000			
Temperature (C)																
Total Dissolved Solids											340000	340000	430000			
Total Suspended Solids																
Turbidity																
Polychlorinated Biphenols																
Arochlor-1016	2.6	7.2	0.5	0.96												
Arochlor-1221	0.33	1.3	0.5	0.0068												
Arochlor-1232	0.33	1.3	0.5	0.0068												
Arochlor-1242	0.33	1.3	0.5	0.034												
Arochlor-1248	0.33	1.3	0.5	0.034												
Arochlor-1254	0.33	1.3	0.5	0.034												
Arochlor-1260	0.33	1.3	0.5	0.034												
PCBs (Total)	0.5	0.5	0.5													
PCBs (Total)	0.5	0.5	0.5	0.17												
PCBs (Total)	0.5	0.5	0.5													
TDS																
Total Dissolved Solids																
Petroleum Hydrocarbons																
Petroleum Hydrocarbons (TPH)											1000	1000				

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-34D 6/25/2010	MW-34S 7/19/1989	MW-34S 1/30/1992	MW-34S 6/30/1993	MW-34S 7/15/1994	MW-34S 7/17/1996	MW-34S 10/21/1997	MW-34S 12/11/1998	MW-34S 9/14/1999	MW-34S 3/24/2000	MW-34S 6/12/2002	MW-34S 4/28/2008
1,4-Dioxane																
1,4-Dioxane	6.4	32		0.67												
Anions																
Nitrate As N	10000	10000	10000	58000												
Cyanide																
Cyanide, Free	200	200	200	730							0 U	0 U	10 U	10 U	0 U	
Cyanide, Total	200	200		730							0 U	0 U	10 U	10 U	0 U	
Cyanide, Free																
Cyanide, Free	200	200	200	730		250 U	5 U	10 U	5 U	5 U						2 B J
Cyanide, Total																
Cyanide, Total	200	200		730		5 U	5 U	5 U	5 U	5 U						10 U
Other																
ALKALINITY, BICARBONATE													190000	220000		
ALKALINITY, TOTAL													190000	220000		
Bromide							2 U	10 U	10 U							
Carbonate																
Chloride		250000											37000	82000		
Fluoride	4000	4000		1500												
Hardness, As CaCO3													230000	290000		
pH														7.35 SU		
Silica																
Specific Conductance																
Sulfate													32000	27000		
Temperature (C)																
Total Dissolved Solids													360000	410000		
Total Suspended Solids																
Turbidity																
Polychlorinated Biphenols																
Arochlor-1016	2.6	7.2	0.5	0.96												
Arochlor-1221	0.33	1.3	0.5	0.0068												
Arochlor-1232	0.33	1.3	0.5	0.0068												
Arochlor-1242	0.33	1.3	0.5	0.034												
Arochlor-1248	0.33	1.3	0.5	0.034												
Arochlor-1254	0.33	1.3	0.5	0.034												
Arochlor-1260	0.33	1.3	0.5	0.034												
PCBs (Total)	0.5	0.5	0.5													
PCBs (Total)	0.5	0.5	0.5	0.17												
PCBs (Total)	0.5	0.5	0.5													
TDS																
Total Dissolved Solids					699000											
Petroleum Hydrocarbons																
Petroleum Hydrocarbons (TPH)													1000			

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-34S 9/10/2008	MW-34S Dup 9/10/2008	MW-34S 6/18/2010	MW-35D 7/19/1989	MW-35D 2/28/1991	MW-35D 7/17/1996	MW-35D 10/21/1997	MW-35D 12/11/1998	MW-35D 9/29/1999	MW-35D 4/4/2000	MW-35D 6/21/2001	MW-35D 6/12/2002
1,4-Dioxane																
1,4-Dioxane	6.4	32		0.67												
Anions																
Nitrate As N	10000	10000	10000	58000												
Cyanide																
Cyanide, Free	200	200	200	730							0 U	0 U	10 U	10 U	0 U	0 U
Cyanide, Total	200	200		730							0 U	0 U	10 U	10 U	0 U	0 U
Cyanide, Free																
Cyanide, Free	200	200	200	730	10 U	10 U		250 U		5 U						
Cyanide, Total																
Cyanide, Total	200	200		730	10 U	10 U		5 U		5 U						
Other																
ALKALINITY, BICARBONATE													190000	220000		
ALKALINITY, TOTAL													190000	220000		
Bromide									2 U							
Carbonate																
Chloride		250000											50000	56000		
Fluoride	4000	4000		1500												
Hardness, As CaCO3													240000	270000		
pH																
Silica																
Specific Conductance																
Sulfate													34000	34000		
Temperature (C)																
Total Dissolved Solids													390000	430000		
Total Suspended Solids																
Turbidity																
Polychlorinated Biphenols																
Arochlor-1016	2.6	7.2	0.5	0.96												
Arochlor-1221	0.33	1.3	0.5	0.0068												
Arochlor-1232	0.33	1.3	0.5	0.0068												
Arochlor-1242	0.33	1.3	0.5	0.034												
Arochlor-1248	0.33	1.3	0.5	0.034												
Arochlor-1254	0.33	1.3	0.5	0.034												
Arochlor-1260	0.33	1.3	0.5	0.034												
PCBs (Total)	0.5	0.5	0.5													
PCBs (Total)	0.5	0.5	0.5	0.17												
PCBs (Total)	0.5	0.5	0.5													
TDS																
Total Dissolved Solids							710000									
Petroleum Hydrocarbons																
Petroleum Hydrocarbons (TPH)													1000			

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-35D 5/6/2008	MW-35D 9/17/2008	MW-35S 7/19/1989	MW-35S 5/13/2008	MW-35S 6/21/2010	MW-36D 9/27/1999	MW-36D 4/4/2000	MW-36D 5/19/2008	MW-36S 2/28/1991	MW-36S 9/27/1999	MW-36S 3/23/2000	MW-36S 5/7/2008	MW-37D 1/26/1990
1,4-Dioxane																	
1,4-Dioxane	6.4	32		0.67													
Anions																	
Nitrate As N	10000	10000	10000	58000													
Cyanide																	
Cyanide, Free	200	200	200	730						10 U	10 U			10 U	10 U		
Cyanide, Total	200	200		730						10 U	10 U			10 U	10 U		
Cyanide, Free																	
Cyanide, Free	200	200	200	730	10 U	2.5 B J	250 U	3.5 B J				10 U				10 U	50 U
Cyanide, Total																	
Cyanide, Total	200	200		730	10 U	2.3 B	5 U	10 U				2.4 B J				10 U	5 U
Other																	
ALKALINITY, BICARBONATE											280000			170000	230000		
ALKALINITY, TOTAL											280000			170000	230000		
Bromide													2 U				
Carbonate																	
Chloride		250000								32000	21000			40000	57000		
Fluoride	4000	4000		1500													
Hardness, As CaCO3										480000	360000			290000	340000		
pH															6.98 SU		
Silica																	
Specific Conductance																	
Sulfate										200000	130000			16000	120000		
Temperature (C)																	
Total Dissolved Solids										690000	540000			270000	470000		
Total Suspended Solids																	
Turbidity																	
Polychlorinated Biphenols																	
Arochlor-1016	2.6	7.2	0.5	0.96													
Arochlor-1221	0.33	1.3	0.5	0.0068													
Arochlor-1232	0.33	1.3	0.5	0.0068													
Arochlor-1242	0.33	1.3	0.5	0.034													
Arochlor-1248	0.33	1.3	0.5	0.034													
Arochlor-1254	0.33	1.3	0.5	0.034													
Arochlor-1260	0.33	1.3	0.5	0.034													
PCBs (Total)	0.5	0.5	0.5														
PCBs (Total)	0.5	0.5	0.5	0.17													
PCBs (Total)	0.5	0.5	0.5														
TDS																	
Total Dissolved Solids									1730000								
Petroleum Hydrocarbons																	
Petroleum Hydrocarbons (TPH)										1000				1000			

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-37D 1/30/1992	MW-37D 6/24/1993	MW-37D 4/28/1994	MW-37D 7/12/1994	MW-37D 10/27/1995	MW-37D Dup 10/27/1995	MW-37D 7/15/1996	MW-37D 12/14/1998	MW-37D 9/22/1999	MW-37D 4/3/2000	MW-37D Dup 4/6/2000
1,4-Dioxane															
1,4-Dioxane	6.4	32		0.67											
Anions															
Nitrate As N	10000	10000	10000	58000					310	4700					
Cyanide															
Cyanide, Free	200	200	200	730								0 U	10 U		
Cyanide, Total	200	200		730								0 U	10 U	10 U	
Cyanide, Free															
Cyanide, Free	200	200	200	730	5 U	5 U	5 U	5 U	5 U	5 U	5 U				
Cyanide, Total															
Cyanide, Total	200	200		730	5 U	5 U	13 U	5 U	5 U	5 U	5 U				
Other															
ALKALINITY, BICARBONATE													150000	230000	230000
ALKALINITY, TOTAL							210000	180000	160000	120000			150000		
Bromide					5 U	10 U	10 U	500 U	500 U	500 U					
Carbonate									5000 U	5000 U					
Chloride		250000							35000	29000			25000	35000	
Fluoride	4000	4000		1500					90	80					
Hardness, As CaCO3							350000	240000	180000	150000			160000	260000	
pH							7.69 SU	7.53 SU	7.95 SU	8.15 SU					
Silica									300	300					
Specific Conductance									510 umhos/cm	460 umhos/cm					
Sulfate									21000	22000			19000	32000	
Temperature (C)															
Total Dissolved Solids							460000	320000	260000	230000			230000	320000	
Total Suspended Solids							5000 U	5000 U							
Turbidity							5.9 N.T.U.								
Polychlorinated Biphenols															
Arochlor-1016	2.6	7.2	0.5	0.96											
Arochlor-1221	0.33	1.3	0.5	0.0068											
Arochlor-1232	0.33	1.3	0.5	0.0068											
Arochlor-1242	0.33	1.3	0.5	0.034											
Arochlor-1248	0.33	1.3	0.5	0.034											
Arochlor-1254	0.33	1.3	0.5	0.034											
Arochlor-1260	0.33	1.3	0.5	0.034											
PCBs (Total)	0.5	0.5	0.5												
PCBs (Total)	0.5	0.5	0.5	0.17											
PCBs (Total)	0.5	0.5	0.5												
TDS															
Total Dissolved Solids															
Petroleum Hydrocarbons															
Petroleum Hydrocarbons (TPH)													1000		

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-37D 4/7/2000	MW-37D 6/26/2001	MW-37D 6/19/2002	MW-37D 4/15/2004	MW-37D 5/14/2008	MW-37D 10/1/2008	MW-37S 1/26/1990	MW-37S 1/31/1992	MW-37S 4/28/1994	MW-37S 7/12/1994	MW-37S 10/27/1995	MW-37S 7/15/1996
1,4-Dioxane																
1,4-Dioxane	6.4	32		0.67					0.057 J							
Anions																
Nitrate As N	10000	10000	10000	58000											900	
Cyanide																
Cyanide, Free	200	200	200	730	10 U	0 U	0 U									
Cyanide, Total	200	200		730	0 U	0 U	0 U	10 U								
Cyanide, Free																
Cyanide, Free	200	200	200	730					10 U	10 U	10	5 U	5 U	5 U	5 U	5 U
Cyanide, Total																
Cyanide, Total	200	200		730					10 U	10 U	25	5 U	5 U	5 U	5 U	5 U
Other																
ALKALINITY, BICARBONATE					140000											
ALKALINITY, TOTAL					140000								180000	180000	190000	
Bromide												20 U	10 U	20 U	500 U	
Carbonate															5000 U	
Chloride		250000			39000										30000	
Fluoride	4000	4000		1500											90	
Hardness, As CaCO3					160000								360000	280000	200000	
pH													7.02 SU	7.71 SU	7.73 SU	
Silica															300	
Specific Conductance															550 umhos/cm	
Sulfate					18000										20000	
Temperature (C)											7.53 C					
Total Dissolved Solids					230000								590000	390000	290000	
Total Suspended Solids													5000	76000		
Turbidity													18 N.T.U.			
Polychlorinated Biphenols																
Arochlor-1016	2.6	7.2	0.5	0.96				0.5 U								
Arochlor-1221	0.33	1.3	0.5	0.0068				0.5 U								
Arochlor-1232	0.33	1.3	0.5	0.0068				0.5 U								
Arochlor-1242	0.33	1.3	0.5	0.034				0.5 U								
Arochlor-1248	0.33	1.3	0.5	0.034				0.5 U								
Arochlor-1254	0.33	1.3	0.5	0.034				0.5 U								
Arochlor-1260	0.33	1.3	0.5	0.034				0.5 U								
PCBs (Total)	0.5	0.5	0.5					0.5 U								
PCBs (Total)	0.5	0.5	0.5	0.17				0.5 U								
PCBs (Total)	0.5	0.5	0.5					0.5 U								
TDS																
Total Dissolved Solids																
Petroleum Hydrocarbons																
Petroleum Hydrocarbons (TPH)																

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-37S 12/14/1998	MW-37S 9/22/1999	MW-37S 4/3/2000	MW-37S 6/25/2001	MW-37S 6/12/2002	MW-37S 4/15/2004	MW-37S 5/14/2008	MW-37S Dup 5/14/2008	MW-37S 9/18/2008	MW-37S 6/28/2010	MW-38D 1/26/1990	MW-38D 1/31/1992
1,4-Dioxane																
1,4-Dioxane	6.4	32		0.67							0.19 U	0.19 U				
Anions																
Nitrate As N	10000	10000	10000	58000												
Cyanide																
Cyanide, Free	200	200	200	730	0 U	10 U	10 U	0 U	0 U							
Cyanide, Total	200	200		730	0 U	10 U	10 U	0 U	0 U	10 U						
Cyanide, Free																
Cyanide, Free	200	200	200	730							10 U	10 U	10 U		50 U	5 U
Cyanide, Total																
Cyanide, Total	200	200		730							10 U	10 U	10 U		5 U	5 U
Other																
ALKALINITY, BICARBONATE							210000									
ALKALINITY, TOTAL							210000									
Bromide																2 U
Carbonate																
Chloride		250000				30000	190000									
Fluoride	4000	4000		1500												
Hardness, As CaCO3						250000	260000									
pH																
Silica																
Specific Conductance																
Sulfate						32000	25000									
Temperature (C)																
Total Dissolved Solids						340000	670000									
Total Suspended Solids																
Turbidity																
Polychlorinated Biphenols																
Arochlor-1016	2.6	7.2	0.5	0.96						0.5 U						
Arochlor-1221	0.33	1.3	0.5	0.0068						0.5 U						
Arochlor-1232	0.33	1.3	0.5	0.0068						0.5 U						
Arochlor-1242	0.33	1.3	0.5	0.034						0.5 U						
Arochlor-1248	0.33	1.3	0.5	0.034						0.5 U						
Arochlor-1254	0.33	1.3	0.5	0.034						0.5 U						
Arochlor-1260	0.33	1.3	0.5	0.034						0.3 J						
PCBs (Total)	0.5	0.5	0.5							0.3 J						
PCBs (Total)	0.5	0.5	0.5	0.17						0.3 J						
PCBs (Total)	0.5	0.5	0.5							0.3 J						
TDS																
Total Dissolved Solids														275000		
Petroleum Hydrocarbons																
Petroleum Hydrocarbons (TPH)						1000										

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-38D 4/28/1994	MW-38D 7/11/1994	MW-38D 7/15/1996	MW-38D 12/14/1998	MW-38D 9/1/1999	MW-38D 3/29/2000	MW-38D 6/19/2001	MW-38D 6/12/2002	MW-38D 4/14/2004	MW-38D 4/28/2008	MW-38D 9/16/2008	MW-38S 2/7/1990	MW-38S 1/31/1992
1,4-Dioxane																	
1,4-Dioxane	6.4	32		0.67													
Anions																	
Nitrate As N	10000	10000	10000	58000													
Cyanide																	
Cyanide, Free	200	200	200	730				0 U	10 U	10 U	0 U	0 U					
Cyanide, Total	200	200		730				0 U	10 U	10 U	0 U	0 U	10 U				
Cyanide, Free																	
Cyanide, Free	200	200	200	730	5 U	5 U	5 U							3.3 B J	2.5 B J		5 U
Cyanide, Total																	
Cyanide, Total	200	200		730	13 U	5 U	5 U							10 U	10 U	5 U	5 U
Other																	
ALKALINITY, BICARBONATE									150000	170000							
ALKALINITY, TOTAL					200000	170000			150000	170000							
Bromide					5 U	5 U											2 U
Carbonate																	
Chloride		250000							25000	45000							
Fluoride	4000	4000		1500													
Hardness, As CaCO3					320000	220000			180000	200000							
pH					7.6 SU	7.76 SU											
Silica																	
Specific Conductance																	
Sulfate									18000	19000							
Temperature (C)																	
Total Dissolved Solids					420000	300000			280000	280000							
Total Suspended Solids					92000	72000											
Turbidity					82 N.T.U.	100 N.T.U.											
Polychlorinated Biphenols																	
Arochlor-1016	2.6	7.2	0.5	0.96									0.5 U				
Arochlor-1221	0.33	1.3	0.5	0.0068									0.5 U				
Arochlor-1232	0.33	1.3	0.5	0.0068									0.5 U				
Arochlor-1242	0.33	1.3	0.5	0.034									0.5 U				
Arochlor-1248	0.33	1.3	0.5	0.034									0.5 U				
Arochlor-1254	0.33	1.3	0.5	0.034									0.5 U				
Arochlor-1260	0.33	1.3	0.5	0.034									0.5 U				
PCBs (Total)	0.5	0.5	0.5										0.5 U				
PCBs (Total)	0.5	0.5	0.5	0.17									0.5 U				
PCBs (Total)	0.5	0.5	0.5										0.5 U				
TDS																	
Total Dissolved Solids																	
Petroleum Hydrocarbons																	
Petroleum Hydrocarbons (TPH)									1000								

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-38S 7/15/1996	MW-38S 12/14/1998	MW-38S 9/22/1999	MW-38S 3/23/2000	MW-38S 6/19/2001	MW-38S 6/11/2002	MW-39D 2/22/1990	MW-39D 1/31/1992	MW-39D 4/29/1994	MW-39D 7/12/1994	MW-39D 7/15/1996	MW-39D 12/11/1998
1,4-Dioxane																
1,4-Dioxane	6.4	32		0.67												
Anions																
Nitrate As N	10000	10000	10000	58000												
Cyanide																
Cyanide, Free	200	200	200	730		0 U	10 U	10 U	0 U	0 U						0 U
Cyanide, Total	200	200		730		0 U	10 U	10 U	0 U	0 U						0 U
Cyanide, Free																
Cyanide, Free	200	200	200	730	5 U						5 U	5 U	5 U	5 U	5 U	
Cyanide, Total																
Cyanide, Total	200	200		730	5 U						5 U	5 U	5 U	5 U	5 U	
Other																
ALKALINITY, BICARBONATE							180000	190000								
ALKALINITY, TOTAL							180000	190000					270000	280000		
Bromide												2 U	25 U	20 U		
Carbonate																
Chloride		250000					30000	66000								
Fluoride	4000	4000		1500												
Hardness, As CaCO3							200000	260000					340000	320000		
pH								7.24 SU					7.21 SU	7.37 SU		
Silica																
Specific Conductance																
Sulfate							22000	32000								
Temperature (C)																
Total Dissolved Solids							290000	340000					400000	430000		
Total Suspended Solids													5000 U	6000		
Turbidity													30 N.T.U.			
Polychlorinated Biphenols																
Arochlor-1016	2.6	7.2	0.5	0.96												
Arochlor-1221	0.33	1.3	0.5	0.0068												
Arochlor-1232	0.33	1.3	0.5	0.0068												
Arochlor-1242	0.33	1.3	0.5	0.034												
Arochlor-1248	0.33	1.3	0.5	0.034												
Arochlor-1254	0.33	1.3	0.5	0.034												
Arochlor-1260	0.33	1.3	0.5	0.034												
PCBs (Total)	0.5	0.5	0.5													
PCBs (Total)	0.5	0.5	0.5	0.17												
PCBs (Total)	0.5	0.5	0.5													
TDS																
Total Dissolved Solids																
Petroleum Hydrocarbons																
Petroleum Hydrocarbons (TPH)							1000									

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-39D 9/1/1999	MW-39D 3/30/2000	MW-39D 6/25/2001	MW-39D 6/12/2002	MW-39D 5/9/2008	MW-39D 9/18/2008	MW-39D Dup 9/18/2008	MW-39S 2/5/1990	MW-39S 1/31/1992	MW-39S 4/28/1994	MW-39S 7/12/1994	MW-39S 7/15/1996	MW-39S 5/6/2008
1,4-Dioxane																	
1,4-Dioxane	6.4	32		0.67													
Anions																	
Nitrate As N	10000	10000	10000	58000													
Cyanide																	
Cyanide, Free	200	200	200	730	10 U	10 U	0 U	0 U									
Cyanide, Total	200	200		730	10 U	10 U	0 U	0 U									
Cyanide, Free																	
Cyanide, Free	200	200	200	730					10 U	10 U	10 U	50 U	5 U	5 U	5 U	5 U	1.6 B
Cyanide, Total																	
Cyanide, Total	200	200		730					10 U	10 U	10 U	5 U	5 U	5 U	5 U	5 U	10 U
Other																	
ALKALINITY, BICARBONATE					25000	270000											
ALKALINITY, TOTAL					250000	270000								270000	630000		
Bromide													2 U	5 U	10 U		
Carbonate																	
Chloride		250000			25000	20000											
Fluoride	4000	4000		1500													
Hardness, As CaCO3					290000	280000								420000	1500000		
pH														6.89 SU	7.09 SU		
Silica																	
Specific Conductance																	
Sulfate					44000	53000											
Temperature (C)																	
Total Dissolved Solids					420000	360000								640000	460000		
Total Suspended Solids														28000	8900000		
Turbidity														39 N.T.U.			
Polychlorinated Biphenols																	
Arochlor-1016	2.6	7.2	0.5	0.96													
Arochlor-1221	0.33	1.3	0.5	0.0068													
Arochlor-1232	0.33	1.3	0.5	0.0068													
Arochlor-1242	0.33	1.3	0.5	0.034													
Arochlor-1248	0.33	1.3	0.5	0.034													
Arochlor-1254	0.33	1.3	0.5	0.034													
Arochlor-1260	0.33	1.3	0.5	0.034													
PCBs (Total)	0.5	0.5	0.5														
PCBs (Total)	0.5	0.5	0.5	0.17													
PCBs (Total)	0.5	0.5	0.5														
TDS																	
Total Dissolved Solids																	
Petroleum Hydrocarbons																	
Petroleum Hydrocarbons (TPH)					1000												

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-39S 9/15/2008	MW-40D 2/5/1990	MW-40D 10/24/1995	MW-40D 12/10/1998	MW-40D 9/15/1999
1,4-Dioxane									
1,4-Dioxane	6.4	32		0.67					
Anions									
Nitrate As N	10000	10000	10000	58000			3800		
Cyanide									
Cyanide, Free	200	200	200	730				0 U	10 U
Cyanide, Total	200	200		730				0 U	10 U
Cyanide, Free									
Cyanide, Free	200	200	200	730	1.8 B J	50 U	5 U		
Cyanide, Total									
Cyanide, Total	200	200		730	5.5 B J	5 U	5 U		
Other									
ALKALINITY, BICARBONATE									
ALKALINITY, TOTAL							170000		
Bromide						2 U	500 U		
Carbonate							5000 U		
Chloride		250000					24000		25000
Fluoride	4000	4000		1500			30		
Hardness, As CaCO3							190000		220000
pH							7.82 SU		
Silica							400		
Specific Conductance							530 umhos/cm		
Sulfate							12000		23000
Temperature (C)									
Total Dissolved Solids							300000		290000
Total Suspended Solids									
Turbidity									
Polychlorinated Biphenols									
Arochlor-1016	2.6	7.2	0.5	0.96					
Arochlor-1221	0.33	1.3	0.5	0.0068					
Arochlor-1232	0.33	1.3	0.5	0.0068					
Arochlor-1242	0.33	1.3	0.5	0.034					
Arochlor-1248	0.33	1.3	0.5	0.034					
Arochlor-1254	0.33	1.3	0.5	0.034					
Arochlor-1260	0.33	1.3	0.5	0.034					
PCBs (Total)	0.5	0.5	0.5						
PCBs (Total)	0.5	0.5	0.5	0.17					
PCBs (Total)	0.5	0.5	0.5						
TDS									
Total Dissolved Solids									
Petroleum Hydrocarbons									
Petroleum Hydrocarbons (TPH)									1000

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-40D 3/20/2000	MW-40D 3/30/2000	MW-40D 6/20/2001	MW-40D 6/11/2002	MW-40D 4/25/2008	MW-40D 9/8/2008	MW-40D 6/16/2010	MW-40S 2/5/1990	MW-40S 10/30/1995	MW-40S 12/10/1998	MW-40S 9/21/1999	MW-40S 3/30/2000
1,4-Dioxane																
1,4-Dioxane	6.4	32		0.67												
Anions																
Nitrate As N	10000	10000	10000	58000									3900			
Cyanide																
Cyanide, Free	200	200	200	730	0 U	10 U	0 U	0 U						0 U	10 U	10 U
Cyanide, Total	200	200		730	0 U	10 U	0 U	0 U						0 U	10 U	10 U
Cyanide, Free																
Cyanide, Free	200	200	200	730					10 U	10 U		50 U	5 U			
Cyanide, Total																
Cyanide, Total	200	200		730					10 U	10 U		5 U	5 U			
Other																
ALKALINITY, BICARBONATE						200000									260000	240000
ALKALINITY, TOTAL						200000							260000		260000	240000
Bromide												2 U	500 U			
Carbonate													5000 U			
Chloride		250000				30000							26000		20000	16000
Fluoride	4000	4000		1500									40			
Hardness, As CaCO3						210000							260000		270000	240000
pH													7.35 SU			
Silica													400			
Specific Conductance													600 umhos/cm			
Sulfate						10000							13000		13000	10000
Total Dissolved Solids						280000							440000		320000	280000
Polychlorinated Biphenols																
Arochlor-1016	2.6	7.2	0.5	0.96												
Arochlor-1221	0.33	1.3	0.5	0.0068												
Arochlor-1232	0.33	1.3	0.5	0.0068												
Arochlor-1242	0.33	1.3	0.5	0.034												
Arochlor-1248	0.33	1.3	0.5	0.034												
Arochlor-1254	0.33	1.3	0.5	0.034												
Arochlor-1260	0.33	1.3	0.5	0.034												
PCBs (Total)	0.5	0.5	0.5	0.17												
PCBs (Total)	0.5	0.5	0.5													
PCBs (Total)	0.5	0.5	0.5													
TDS																
Total Dissolved Solids											1380000					
Petroleum Hydrocarbons																
Petroleum Hydrocarbons (TPH)															1000	

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-40S 6/19/2001	MW-40S 6/11/2002	MW-40S 4/25/2008	MW-40S 9/4/2008	MW-40S 6/15/2010	MW-41D 2/5/1990	MW-41D 1/29/1992	MW-41D 6/23/1993	MW-41D 7/13/1994	MW-41D 10/27/1995	MW-41D 12/9/1998	MW-41D 9/20/1999
1,4-Dioxane																
1,4-Dioxane	6.4	32		0.67												
Anions																
Nitrate As N	10000	10000	10000	58000												
Cyanide																
Cyanide, Free	200	200	200	730	0 U	0 U									0 U	10 U
Cyanide, Total	200	200		730	0 U	0 U									0 U	10 U
Cyanide, Free																
Cyanide, Free	200	200	200	730			10 U	10 U		50 U	5 U	10 U	5 U	5 U		
Cyanide, Total																
Cyanide, Total	200	200		730			6 B	10 U		5 U	7.6	5 U	5 U	5 U		
Other																
ALKALINITY, BICARBONATE																76000
ALKALINITY, TOTAL														32000		76000
Bromide										2 U	2 U	1 U	1 U	500 U		
Carbonate														5000 U		
Chloride		250000												5000 U		7500
Fluoride	4000	4000		1500										40		
Hardness, As CaCO3														46000		100000
pH														6.66 SU		
Silica														400		
Specific Conductance														130 umhos/cm		
Sulfate														15000		21000
Total Dissolved Solids														77000		150000
Polychlorinated Biphenols																
Arochlor-1016	2.6	7.2	0.5	0.96												
Arochlor-1221	0.33	1.3	0.5	0.0068												
Arochlor-1232	0.33	1.3	0.5	0.0068												
Arochlor-1242	0.33	1.3	0.5	0.034												
Arochlor-1248	0.33	1.3	0.5	0.034												
Arochlor-1254	0.33	1.3	0.5	0.034												
Arochlor-1260	0.33	1.3	0.5	0.034												
PCBs (Total)	0.5	0.5	0.5	0.17												
PCBs (Total)	0.5	0.5	0.5													
PCBs (Total)	0.5	0.5	0.5													
TDS																
Total Dissolved Solids									696000							
Petroleum Hydrocarbons																
Petroleum Hydrocarbons (TPH)																1000

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-41D 3/29/2000	MW-41D 6/20/2001	MW-41S 2/5/1990	MW-41S 1/29/1992	MW-41S 6/24/1993	MW-41S 7/13/1994	MW-41S 10/27/1995	MW-41S 12/9/1998	MW-41S 9/20/1999	MW-41S 3/29/2000	MW-41S 6/20/2001	MW-42D 2/6/1990
1,4-Dioxane																
1,4-Dioxane	6.4	32		0.67												
Anions																
Nitrate As N	10000	10000	10000	58000							1700					
Cyanide																
Cyanide, Free	200	200	200	730	10 U	0 U						0 U	10 U	10 U	0 U	
Cyanide, Total	200	200		730	10 U	0 U						0 U	10 U	10 U	0 U	
Cyanide, Free																
Cyanide, Free	200	200	200	730			50 U	5 U	10 U	5 U	5 U					50 U
Cyanide, Total																
Cyanide, Total	200	200		730			5 U	5 U	5 U	5 U	5 U					5 U
Other																
ALKALINITY, BICARBONATE					67000								15000	15000		
ALKALINITY, TOTAL					67000						19000		15000	15000		
Bromide							2 U	2 U	1 U	1 U	500 U					2 U
Carbonate											5000 U					
Chloride		250000			5000 U						5000 U		5000 U	5000 U		
Fluoride	4000	4000		1500							20					
Hardness, As CaCO3					48000						55000		47000	34000		
pH											6.53 SU					
Silica											400					
Specific Conductance											110 umhos/cm					
Sulfate					11000						19000		15000	14000		
Total Dissolved Solids					100000						74000		70000	60000		
Polychlorinated Biphenols																
Arochlor-1016	2.6	7.2	0.5	0.96												
Arochlor-1221	0.33	1.3	0.5	0.0068												
Arochlor-1232	0.33	1.3	0.5	0.0068												
Arochlor-1242	0.33	1.3	0.5	0.034												
Arochlor-1248	0.33	1.3	0.5	0.034												
Arochlor-1254	0.33	1.3	0.5	0.034												
Arochlor-1260	0.33	1.3	0.5	0.034												
PCBs (Total)	0.5	0.5	0.5	0.17												
PCBs (Total)	0.5	0.5	0.5													
PCBs (Total)	0.5	0.5	0.5													
TDS																
Total Dissolved Solids																
Petroleum Hydrocarbons																
Petroleum Hydrocarbons (TPH)													1000			

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-42D 10/27/1995	MW-42D 12/10/1998	MW-42D 9/21/1999	MW-42D 3/20/2000	MW-42D 3/30/2000	MW-42D 6/19/2001	MW-42M 2/6/1990	MW-42M 10/27/1995	MW-42M 12/10/1998	MW-42M 9/26/1999	MW-42M 3/29/2000
1,4-Dioxane															
1,4-Dioxane	6.4	32		0.67											
Anions															
Nitrate As N	10000	10000	10000	58000	960							1200			
Cyanide															
Cyanide, Free	200	200	200	730		0 U	10 U	0 U	10 U	0 U			0 U	10 U	10 U
Cyanide, Total	200	200		730		0 U	10 U	0 U	10 U	0 U			0 U	10 U	10 U
Cyanide, Free															
Cyanide, Free	200	200	200	730	5 U						50 U	5 U			
Cyanide, Total															
Cyanide, Total	200	200		730	5 U						5 U	5 U			
Other															
ALKALINITY, BICARBONATE							140000		140000					120000	100000
ALKALINITY, TOTAL					140000		140000		140000			64000		120000	100000
Bromide					500 U						2 U	500 U			
Carbonate					5000 U							5000 U			
Chloride		250000			5400		7500		22000			5000 U		7500	5000 U
Fluoride	4000	4000		1500	270							110			
Hardness, As CaCO3					65000		100000		120000			31000		87000	90000
pH					8.06 SU							7.96 SU			
Silica					500							400			
Specific Conductance					570 umhos/cm							200 umhos/cm			
Sulfate					110000		120000		160000			14000		68000	16000
Total Dissolved Solids					900000		630000		2.20E+06			120000		200000	140000
Polychlorinated Biphenols															
Arochlor-1016	2.6	7.2	0.5	0.96											
Arochlor-1221	0.33	1.3	0.5	0.0068											
Arochlor-1232	0.33	1.3	0.5	0.0068											
Arochlor-1242	0.33	1.3	0.5	0.034											
Arochlor-1248	0.33	1.3	0.5	0.034											
Arochlor-1254	0.33	1.3	0.5	0.034											
Arochlor-1260	0.33	1.3	0.5	0.034											
PCBs (Total)	0.5	0.5	0.5	0.17											
PCBs (Total)	0.5	0.5	0.5												
PCBs (Total)	0.5	0.5	0.5												
TDS															
Total Dissolved Solids															
Petroleum Hydrocarbons															
Petroleum Hydrocarbons (TPH)							1000							1000	

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-42M 6/19/2001	MW-42S 2/6/1990	MW-42S 9/28/1999	MW-42S 3/27/2000	MW-43D 2/22/1990	MW-43D 1/29/1992	MW-43D 6/23/1993	MW-43D 7/14/1994	MW-43D 10/25/1995	MW-43D 12/10/1998	MW-43D 9/17/1999	MW-43D 4/6/2000
1,4-Dioxane																
1,4-Dioxane	6.4	32		0.67												
Anions																
Nitrate As N	10000	10000	10000	58000									2100			
Cyanide																
Cyanide, Free	200	200	200	730	0 U		10 U	10 U						0 U	10 U	10 U
Cyanide, Total	200	200		730	0 U		10 U	10 U						0 U	10 U	10 U
Cyanide, Free																
Cyanide, Free	200	200	200	730		50 U			5 U	5 U	5 U	5 U	5 U			
Cyanide, Total																
Cyanide, Total	200	200		730		5 U			5 U	5 U	5 U	5 U	5 U			
Other																
ALKALINITY, BICARBONATE							71000	13000								98000
ALKALINITY, TOTAL							71000	13000					84000		90000	98000
Bromide						2 U			2 U	2 U	1 U	10 U	500 U			
Carbonate													5000 U			
Chloride		250000					10000 U	5000 U					22000		20000	18000
Fluoride	4000	4000		1500									70			
Hardness, As CaCO3							110000	40000					130000		140000	130000
pH													7.80 SU			
Silica													400			
Specific Conductance													350 umhos/cm			
Sulfate							28000	49000					21000		24000	25000
Total Dissolved Solids							150000	90000					180000		210000	180000
Polychlorinated Biphenols																
Arochlor-1016	2.6	7.2	0.5	0.96												
Arochlor-1221	0.33	1.3	0.5	0.0068												
Arochlor-1232	0.33	1.3	0.5	0.0068												
Arochlor-1242	0.33	1.3	0.5	0.034												
Arochlor-1248	0.33	1.3	0.5	0.034												
Arochlor-1254	0.33	1.3	0.5	0.034												
Arochlor-1260	0.33	1.3	0.5	0.034												
PCBs (Total)	0.5	0.5	0.5	0.17												
PCBs (Total)	0.5	0.5	0.5													
PCBs (Total)	0.5	0.5	0.5													
TDS																
Total Dissolved Solids																
Petroleum Hydrocarbons																
Petroleum Hydrocarbons (TPH)							1000								1000	

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-43D 6/22/2001	MW-43D 6/13/2002	MW-43D 5/13/2008	MW-43D 9/25/2008	MW-43D 6/29/2010	MW-43S 2/22/1990	MW-43S 1/29/1992	MW-43S 6/23/1993	MW-43S 7/13/1994	MW-43S 10/25/1995	MW-43S 12/10/1998	MW-43S 9/17/1999
1,4-Dioxane																
1,4-Dioxane	6.4	32		0.67												
Anions																
Nitrate As N	10000	10000	10000	58000										3600		
Cyanide																
Cyanide, Free	200	200	200	730	0 U	0 U									0 U	10 U
Cyanide, Total	200	200		730	0 U	0 U									0 U	10 U
Cyanide, Free																
Cyanide, Free	200	200	200	730			2.7 B J	10 U		5 U	5 U	5 U	5 U	5 U		
Cyanide, Total																
Cyanide, Total	200	200		730			10 U	10 U		6	5 U	5 U	5 U	5 U		
Other																
ALKALINITY, BICARBONATE																110000
ALKALINITY, TOTAL														88000		110000
Bromide										2 U	2 U	1 U	1 U	500 U		
Carbonate														5000 U		
Chloride		250000												21000		20000
Fluoride	4000	4000		1500										60		
Hardness, As CaCO3														98000		80000
pH														7.18 SU		
Silica														300		
Specific Conductance														320 umhos/cm		
Sulfate														6200		19000
Total Dissolved Solids														170000		220000
Polychlorinated Biphenols																
Arochlor-1016	2.6	7.2	0.5	0.96												
Arochlor-1221	0.33	1.3	0.5	0.0068												
Arochlor-1232	0.33	1.3	0.5	0.0068												
Arochlor-1242	0.33	1.3	0.5	0.034												
Arochlor-1248	0.33	1.3	0.5	0.034												
Arochlor-1254	0.33	1.3	0.5	0.034												
Arochlor-1260	0.33	1.3	0.5	0.034												
PCBs (Total)	0.5	0.5	0.5	0.17												
PCBs (Total)	0.5	0.5	0.5													
PCBs (Total)	0.5	0.5	0.5													
TDS																
Total Dissolved Solids									179000							
Petroleum Hydrocarbons																
Petroleum Hydrocarbons (TPH)																1000

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-43S 3/22/2000	MW-43S 6/19/2001	MW-43S 6/11/2002	MW-43S 4/24/2008	MW-43S 9/4/2008	MW-43S 6/16/2010	MW-44 4/19/1990	MW-44 10/26/1995	MW-44 9/22/1999	MW-44 3/23/2000	MW-45 5/17/1990	MW-45 9/30/1999
1,4-Dioxane																
1,4-Dioxane	6.4	32		0.67												
Anions																
Nitrate As N	10000	10000	10000	58000								2300				
Cyanide																
Cyanide, Free	200	200	200	730	10 U	0 U	0 U						10 U	10 U		10 U
Cyanide, Total	200	200		730	10 U	0 U	0 U						10 U	10 U		10 U
Cyanide, Free																
Cyanide, Free	200	200	200	730				10 U	10 U		5 U	5 U			5 U	
Cyanide, Total																
Cyanide, Total	200	200		730				2.1 B J	10 U		5 U	5 U			5 U	
Other																
ALKALINITY, BICARBONATE					47000								17000	15000		140000
ALKALINITY, TOTAL					47000							12000	17000	15000		140000
Bromide											2 U	500 U				
Carbonate												5000 U				
Chloride		250000			43000							8800	10000	7900		22000
Fluoride	4000	4000		1500								30				
Hardness, As CaCO3					77000							30000	34000	36000		200000
pH					6.61 SU							6.15 SU		5.99 SU		
Silica												400				
Specific Conductance												110 umhos/cm				
Sulfate					4800							6800	8100	13000		30000
Total Dissolved Solids					160000							74000	78000	62000		310000
Polychlorinated Biphenols																
Arochlor-1016	2.6	7.2	0.5	0.96												
Arochlor-1221	0.33	1.3	0.5	0.0068												
Arochlor-1232	0.33	1.3	0.5	0.0068												
Arochlor-1242	0.33	1.3	0.5	0.034												
Arochlor-1248	0.33	1.3	0.5	0.034												
Arochlor-1254	0.33	1.3	0.5	0.034												
Arochlor-1260	0.33	1.3	0.5	0.034												
PCBs (Total)	0.5	0.5	0.5	0.17												
PCBs (Total)	0.5	0.5	0.5													
PCBs (Total)	0.5	0.5	0.5													
TDS																
Total Dissolved Solids										279000						
Petroleum Hydrocarbons																
Petroleum Hydrocarbons (TPH)													1000			1000

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-45 3/23/2000	MW-45 5/20/2008	MW-46 5/17/1990	MW-46 2/28/1991	MW-46 9/29/1999	MW-46 4/4/2000	MW-46 5/19/2008	MW-46 10/3/2008	MW-47 5/17/1990	MW-47 3/14/1995	MW-47 3/24/1995	MW-47 9/29/1999
1,4-Dioxane																
1,4-Dioxane	6.4	32		0.67							0.27					
Anions																
Nitrate As N	10000	10000	10000	58000												
Cyanide																
Cyanide, Free	200	200	200	730	10 U				10 U	10 U					0 U	10 U
Cyanide, Total	200	200		730	10 U				10 U	10 U					0 U	10 U
Cyanide, Free																
Cyanide, Free	200	200	200	730		10 U	5 U				10 U	10 U	14			
Cyanide, Total																
Cyanide, Total	200	200		730		2.2 B J	5 U				2 B J	10 U	31	5 U		
Other																
ALKALINITY, BICARBONATE					110000					210000						180000
ALKALINITY, TOTAL					110000				210000	210000						180000
Bromide								10 U								
Carbonate																
Chloride		250000			38000				25000	31000						35000
Fluoride	4000	4000		1500												
Hardness, As CaCO3					180000				260000	240000						280000
pH					6.38 SU											
Silica																
Specific Conductance																
Sulfate					34000				30000	31000						16000
Total Dissolved Solids					240000				360000	340000						480000
Polychlorinated Biphenols																
Arochlor-1016	2.6	7.2	0.5	0.96												
Arochlor-1221	0.33	1.3	0.5	0.0068												
Arochlor-1232	0.33	1.3	0.5	0.0068												
Arochlor-1242	0.33	1.3	0.5	0.034												
Arochlor-1248	0.33	1.3	0.5	0.034												
Arochlor-1254	0.33	1.3	0.5	0.034												
Arochlor-1260	0.33	1.3	0.5	0.034												
PCBs (Total)	0.5	0.5	0.5	0.17												
PCBs (Total)	0.5	0.5	0.5													
PCBs (Total)	0.5	0.5	0.5													
TDS																
Total Dissolved Solids																
Petroleum Hydrocarbons																
Petroleum Hydrocarbons (TPH)									1000							1000

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Parameter / Location/ID / Sample Date	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-47 Dup 9/29/1999	MW-47 3/31/2000	MW-47 5/20/2008	MW-47 10/9/2008	MW-47 6/24/2010	MW-48 5/17/1990	MW-48 10/31/1991	MW-49D 10/22/1991	MW-49D 10/30/1991	MW-49D 5/21/2008	MW-49D 10/6/2008	MW-49S 10/22/1991
1,4-Dioxane																
1,4-Dioxane	6.4	32		0.67										3.2		
Anions																
Nitrate As N	10000	10000	10000	58000												
Cyanide																
Cyanide, Free	200	200	200	730	10 U	10 U										
Cyanide, Total	200	200		730		10 U										
Cyanide, Free																
Cyanide, Free	200	200	200	730			10 U	2.7 B		37	41		150	10 U	2.3 B	
Cyanide, Total																
Cyanide, Total	200	200		730			3.3 B J	2.7 B		96	8		44	5.5 B J	10 U	
Other																
ALKALINITY, BICARBONATE						120000										
ALKALINITY, TOTAL					180000	120000										
Bromide											5000 U	2000 U	5000 U			2000 U
Carbonate																
Chloride		250000			37000	30000										
Fluoride	4000	4000		1500												
Hardness, As CaCO3					280000	190000										
pH																
Silica																
Specific Conductance																
Sulfate					17000	8600										
Total Dissolved Solids					510000	260000										
Polychlorinated Biphenols																
Arochlor-1016	2.6	7.2	0.5	0.96												
Arochlor-1221	0.33	1.3	0.5	0.0068												
Arochlor-1232	0.33	1.3	0.5	0.0068												
Arochlor-1242	0.33	1.3	0.5	0.034												
Arochlor-1248	0.33	1.3	0.5	0.034												
Arochlor-1254	0.33	1.3	0.5	0.034												
Arochlor-1260	0.33	1.3	0.5	0.034												
PCBs (Total)	0.5	0.5	0.5	0.17												
PCBs (Total)	0.5	0.5	0.5													
PCBs (Total)	0.5	0.5	0.5													
TDS																
Total Dissolved Solids									521000							
Petroleum Hydrocarbons																
Petroleum Hydrocarbons (TPH)																

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-49S 10/31/1991	MW-49S 5/22/2008	MW-49S 10/9/2008	MW-49S 7/14/2009	MW-50D 11/1/1991	MW-50D 9/28/1999	MW-50D 4/4/2000	MW-50D Dup 4/4/2000	MW-50D 5/22/2008	MW-50D 10/7/2008	MW-50D 7/2/2010	MW-50S 11/1/1991
1,4-Dioxane																
1,4-Dioxane	6.4	32		0.67		1300		140					14			
Anions																
Nitrate As N	10000	10000	10000	58000												
Cyanide																
Cyanide, Free	200	200	200	730						10 U	10 U	10 U				
Cyanide, Total	200	200		730						10 U	10 U	10 U				
Cyanide, Free																
Cyanide, Free	200	200	200	730	170	10 UJ	2.3 B		5 U				10 UJ	1.9 B		5 U
Cyanide, Total																
Cyanide, Total	200	200		730	55	10 U	10 U		5 U				10 U	2.5 B		5 U
Other																
ALKALINITY, BICARBONATE											260000	260000				
ALKALINITY, TOTAL											260000					
Bromide					2000 U				50 U							20 U
Carbonate																
Chloride		250000								35000	31000	34000				
Fluoride	4000	4000		1500												
Hardness, As CaCO3										330000	410000	490000				
pH																
Silica																
Specific Conductance																
Sulfate										290000	260000	260000				
Total Dissolved Solids										710000	700000	690000				
Polychlorinated Biphenols																
Arochlor-1016	2.6	7.2	0.5	0.96												
Arochlor-1221	0.33	1.3	0.5	0.0068												
Arochlor-1232	0.33	1.3	0.5	0.0068												
Arochlor-1242	0.33	1.3	0.5	0.034												
Arochlor-1248	0.33	1.3	0.5	0.034												
Arochlor-1254	0.33	1.3	0.5	0.034												
Arochlor-1260	0.33	1.3	0.5	0.034												
PCBs (Total)	0.5	0.5	0.5	0.17												
PCBs (Total)	0.5	0.5	0.5													
PCBs (Total)	0.5	0.5	0.5													
TDS																
Total Dissolved Solids															980000	
Petroleum Hydrocarbons																
Petroleum Hydrocarbons (TPH)										1000						

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-50S 9/28/1999	MW-50S 4/6/2000	MW-50S 5/15/2008	MW-50S 9/30/2008	MW-50S 6/29/2010	MW-51D 11/1/1991	MW-51D 7/17/1996	MW-51D 12/11/1998	MW-51D 9/21/1999	MW-51D 4/6/2000	MW-51D 6/25/2001	MW-51D 6/18/2002	MW-51D 5/12/2008
1,4-Dioxane																	
1,4-Dioxane	6.4	32		0.67													
Anions																	
Nitrate As N	10000	10000	10000	58000													
Cyanide																	
Cyanide, Free	200	200	200	730	10 U	10 U						0 U	10 U	10 U	0 U	0 U	
Cyanide, Total	200	200		730	10 U	63 U						0 U	10 U	10 U	0 U	0 U	
Cyanide, Free																	
Cyanide, Free	200	200	200	730			10 U	10 U		18	5 U						2.7 B J
Cyanide, Total																	
Cyanide, Total	200	200		730			10 U	10 U		5 U	5 U						10 U
Other																	
ALKALINITY, BICARBONATE						260000								290000			
ALKALINITY, TOTAL					230000	260000							270000	290000			
Bromide										20 U							
Carbonate																	
Chloride		250000			37000	38000							32000	32000			
Fluoride	4000	4000		1500													
Hardness, As CaCO3					330000	350000							380000	350000			
pH																	
Silica																	
Specific Conductance																	
Sulfate					160000	140000							81000	99000			
Total Dissolved Solids					510000	480000							500000	470000			
Polychlorinated Biphenols																	
Arochlor-1016	2.6	7.2	0.5	0.96													
Arochlor-1221	0.33	1.3	0.5	0.0068													
Arochlor-1232	0.33	1.3	0.5	0.0068													
Arochlor-1242	0.33	1.3	0.5	0.034													
Arochlor-1248	0.33	1.3	0.5	0.034													
Arochlor-1254	0.33	1.3	0.5	0.034													
Arochlor-1260	0.33	1.3	0.5	0.034													
PCBs (Total)	0.5	0.5	0.5	0.17													
PCBs (Total)	0.5	0.5	0.5														
PCBs (Total)	0.5	0.5	0.5														
TDS																	
Total Dissolved Solids									1930000								
Petroleum Hydrocarbons																	
Petroleum Hydrocarbons (TPH)					1000								1000				

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-51D 9/18/2008	MW-51D 6/30/2010	MW-51S 10/4/1991	MW-51S 11/1/1991	MW-51S 7/16/1996	MW-51S 12/11/1998	MW-51S 9/20/1999	MW-51S 4/5/2000	MW-51S 6/26/2001	MW-51S 6/18/2002	MW-51S 6/6/2003	MW-51S 8/4/2004	MW-51S 6/17/2005
1,4-Dioxane																	
1,4-Dioxane	6.4	32		0.67													
Anions																	
Nitrate As N	10000	10000	10000	58000													
Cyanide																	
Cyanide, Free	200	200	200	730						0 U	10 U	10 U	0 U	7	5	5 U	10 U
Cyanide, Total	200	200		730						10	19	10 U	17	21	19	35	5 U
Cyanide, Free																	
Cyanide, Free	200	200	200	730	10 U			40	10								
Cyanide, Total																	
Cyanide, Total	200	200		730	10 U			5	10								
Other																	
ALKALINITY, BICARBONATE												240000					
ALKALINITY, TOTAL												240000					
Bromide							200 U	100 U									
Carbonate																	
Chloride		250000									40000	40000					
Fluoride	4000	4000		1500													
Hardness, As CaCO3											290000	260000					
pH																	
Silica																	
Specific Conductance																	
Sulfate											33000	32000					
Total Dissolved Solids											440000	380000					
Polychlorinated Biphenols																	
Arochlor-1016	2.6	7.2	0.5	0.96													
Arochlor-1221	0.33	1.3	0.5	0.0068													
Arochlor-1232	0.33	1.3	0.5	0.0068													
Arochlor-1242	0.33	1.3	0.5	0.034													
Arochlor-1248	0.33	1.3	0.5	0.034													
Arochlor-1254	0.33	1.3	0.5	0.034													
Arochlor-1260	0.33	1.3	0.5	0.034													
PCBs (Total)	0.5	0.5	0.5	0.17													
PCBs (Total)	0.5	0.5	0.5														
PCBs (Total)	0.5	0.5	0.5														
TDS																	
Total Dissolved Solids						426000											
Petroleum Hydrocarbons																	
Petroleum Hydrocarbons (TPH)											1000						

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Parameter / Location/ID / Sample Date	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-51S 6/24/2006	MW-51S 6/29/2007	MW-51S 5/20/2008	MW-51S 10/2/2008	MW-51S 7/1/2009	MW-51S 7/6/2010	MW-52 1/2/1992	MW-52 2/4/1992	MW-52 9/28/1999	MW-52 3/22/2000	MW-52 5/6/2008	MW-52 9/4/2008	MW-53 1/2/1992
1,4-Dioxane																	
1,4-Dioxane	6.4	32		0.67			15			33							
Anions																	
Nitrate As N	10000	10000	10000	58000													
Cyanide																	
Cyanide, Free	200	200	200	730									10 U	10 U			
Cyanide, Total	200	200		730									10 U	10 U			
Cyanide, Free																	
Cyanide, Free	200	200	200	730	2.3	2 U	4.1 B J	7.4 B	6.6 B J		50 U	5 U			1.6 B	10 U	50 U
Cyanide, Total																	
Cyanide, Total	200	200		730	13	10.2	32 J	6 B	12		5 U	5 U			10 U	10 U	6
Other																	
ALKALINITY, BICARBONATE													240000	180000			
ALKALINITY, TOTAL													240000	180000			
Bromide											2 U	2 U					2 U
Carbonate																	
Chloride		250000											25000	22000			
Fluoride	4000	4000		1500													
Hardness, As CaCO3													260000	30000			
pH														7.22 SU			
Silica																	
Specific Conductance																	
Sulfate													21000	16000			
Total Dissolved Solids													350000	250000			
Polychlorinated Biphenols																	
Arochlor-1016	2.6	7.2	0.5	0.96									0 U				
Arochlor-1221	0.33	1.3	0.5	0.0068									0 U				
Arochlor-1232	0.33	1.3	0.5	0.0068									0 U				
Arochlor-1242	0.33	1.3	0.5	0.034									0 U				
Arochlor-1248	0.33	1.3	0.5	0.034									0 U				
Arochlor-1254	0.33	1.3	0.5	0.034									0 U				
Arochlor-1260	0.33	1.3	0.5	0.034									0 U				
PCBs (Total)	0.5	0.5	0.5	0.17									0 U				
PCBs (Total)	0.5	0.5	0.5										0 U				
PCBs (Total)	0.5	0.5	0.5										0 U				
TDS																	
Total Dissolved Solids										351000							
Petroleum Hydrocarbons																	
Petroleum Hydrocarbons (TPH)													1000				

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Parameter / Location/ID / Sample Date	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-53 2/4/1992	MW-53 9/28/1999	MW-53 3/22/2000	MW-53 4/23/2008	MW-53 9/11/2008	MW-54 7/29/1993	MW-54 7/17/1996	MW-54 12/10/1998	MW-54 9/29/1999	MW-54 4/10/2000	MW-54 6/26/2001	MW-54 6/13/2002	MW-54 5/27/2008
1,4-Dioxane																	
1,4-Dioxane	6.4	32		0.67													26
Anions																	
Nitrate As N	10000	10000	10000	58000													
Cyanide																	
Cyanide, Free	200	200	200	730		10 U	10 U					0 U	10 U	10 U	0 U	0 U	
Cyanide, Total	200	200		730		10 U	10 U					0 U	10 U	10 U	0 U	0 U	
Cyanide, Free																	
Cyanide, Free	200	200	200	730	50 U			10 U	1.7 B J	10 U	5 U						10 U
Cyanide, Total																	
Cyanide, Total	200	200		730	8			10 U	2 B	5 U	5 U						10 U
Other																	
ALKALINITY, BICARBONATE						72000	72000						250000	250000			
ALKALINITY, TOTAL						72000	72000						250000	250000			
Bromide					2 U					250 U							
Carbonate																	
Chloride		250000				32000	87000						32000	36000			
Fluoride	4000	4000		1500													
Hardness, As CaCO3						110000	150000						290000	330000			
pH							6.33 SU										
Silica																	
Specific Conductance																	
Sulfate						26000	21000						22000	25000			
Total Dissolved Solids						160000	300000						390000	360000			
Polychlorinated Biphenols																	
Arochlor-1016	2.6	7.2	0.5	0.96		0 U											
Arochlor-1221	0.33	1.3	0.5	0.0068		0 U											
Arochlor-1232	0.33	1.3	0.5	0.0068		0 U											
Arochlor-1242	0.33	1.3	0.5	0.034		0 U											
Arochlor-1248	0.33	1.3	0.5	0.034		0 U											
Arochlor-1254	0.33	1.3	0.5	0.034		0 U											
Arochlor-1260	0.33	1.3	0.5	0.034		0 U											
PCBs (Total)	0.5	0.5	0.5	0.17		0 U											
PCBs (Total)	0.5	0.5	0.5			0 U											
PCBs (Total)	0.5	0.5	0.5			0 U											
TDS																	
Total Dissolved Solids																	
Petroleum Hydrocarbons																	
Petroleum Hydrocarbons (TPH)						1000							1000				

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-54 10/8/2008	MW-54 6/30/2009	MW-55 7/29/1993	MW-55 10/27/1995	MW-55 5/23/2008	MW-55 10/8/2008	MW-55 6/30/2009	MW-55 7/9/2010	MW-56 11/19/1993	MW-56 10/27/1995	MW-56 9/30/1999	MW-56 3/20/2000
1,4-Dioxane																
1,4-Dioxane	6.4	32		0.67		58			8.3			7.2				
Anions																
Nitrate As N	10000	10000	10000	58000				2600						2000		
Cyanide																
Cyanide, Free	200	200	200	730											10 U	0 U
Cyanide, Total	200	200		730											10 U	12.6
Cyanide, Free																
Cyanide, Free	200	200	200	730	10 U		10 U	5 U	10 U	1.7 B	2.2 B J			10		
Cyanide, Total																
Cyanide, Total	200	200		730	10 U		5 U	5 U	11 J	10 U	10 U		10	10		
Other																
ALKALINITY, BICARBONATE															310000	
ALKALINITY, TOTAL								290000						300000	310000	
Bromide							50 U	500 U						500 U		
Carbonate								5000 U						5000 U		
Chloride		250000						32000						36000	37000	
Fluoride	4000	4000		1500				30						80		
Hardness, As CaCO3								320000						300000	300000	
pH								7.50 SU						7.57 SU		
Silica								500						400		
Specific Conductance								780 umhos/cm						800 umhos/cm		
Sulfate								36000						26000	22000	
Total Dissolved Solids								430000						440000	460000	
Polychlorinated Biphenols																
Arochlor-1016	2.6	7.2	0.5	0.96												
Arochlor-1221	0.33	1.3	0.5	0.0068												
Arochlor-1232	0.33	1.3	0.5	0.0068												
Arochlor-1242	0.33	1.3	0.5	0.034												
Arochlor-1248	0.33	1.3	0.5	0.034												
Arochlor-1254	0.33	1.3	0.5	0.034												
Arochlor-1260	0.33	1.3	0.5	0.034												
PCBs (Total)	0.5	0.5	0.5	0.17												
PCBs (Total)	0.5	0.5	0.5													
PCBs (Total)	0.5	0.5	0.5													
TDS																
Total Dissolved Solids												353000				
Petroleum Hydrocarbons																
Petroleum Hydrocarbons (TPH)													460		1000	

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-56 3/30/2000	MW-56 5/7/2008	MW-57 11/19/1993	MW-57 7/13/1995	MW-57 10/27/1995	MW-57 9/29/1999	MW-57 4/3/2000	MW-57 5/22/2008	MW-57 9/30/2008	MW-59 5/26/1995	MW-59 9/21/1999	MW-59 4/4/2000
1,4-Dioxane																
1,4-Dioxane	6.4	32		0.67												
Anions																
Nitrate As N	10000	10000	10000	58000					4600							
Cyanide																
Cyanide, Free	200	200	200	730	10 U					10 U	10 U			30	10 U	10 U
Cyanide, Total	200	200		730	13					10 U	10 U			30	10 U	10 U
Cyanide, Free																
Cyanide, Free	200	200	200	730		10 U	10 U		5 U			10 UJ	10 U			
Cyanide, Total																
Cyanide, Total	200	200		730		10 U	5 U		5 U			10 U	10 U			
Other																
ALKALINITY, BICARBONATE					310000						200000					220000
ALKALINITY, TOTAL					310000				210000		200000					220000
Bromide							1 U		500 U							
Carbonate									5000 U							
Chloride		250000			38000				12000	22000	35000				25000	22000
Fluoride	4000	4000		1500					60							
Hardness, As CaCO3					290000				220000	270000	240000				300000	430000
pH								7.63 SU	7.85 SU							
Silica									400							
Specific Conductance								490 umhos/cm	570 umhos/cm							
Sulfate					23000				15000	28000	18000				310000	290000
Total Dissolved Solids					440000				330000	370000	310000				550000	670000
Polychlorinated Biphenols																
Arochlor-1016	2.6	7.2	0.5	0.96												
Arochlor-1221	0.33	1.3	0.5	0.0068												
Arochlor-1232	0.33	1.3	0.5	0.0068												
Arochlor-1242	0.33	1.3	0.5	0.034												
Arochlor-1248	0.33	1.3	0.5	0.034												
Arochlor-1254	0.33	1.3	0.5	0.034												
Arochlor-1260	0.33	1.3	0.5	0.034												
PCBs (Total)	0.5	0.5	0.5	0.17												
PCBs (Total)	0.5	0.5	0.5													
PCBs (Total)	0.5	0.5	0.5													
TDS																
Total Dissolved Solids																
Petroleum Hydrocarbons																
Petroleum Hydrocarbons (TPH)										1000					1000	

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-60 5/26/1995	MW-60 9/29/1999	MW-60 4/4/2000	MW-61D 10/18/1995	MW-61D 12/29/1995
1,4-Dioxane									
1,4-Dioxane	6.4	32		0.67					
Anions									
Nitrate As N	10000	10000	10000	58000				2700	1200
Cyanide									
Cyanide, Free	200	200	200	730	20	10 U	10 U		
Cyanide, Total	200	200		730	20	12	10		
Cyanide, Free									
Cyanide, Free	200	200	200	730				5 U	5 U
Cyanide, Total									
Cyanide, Total	200	200		730				5 U	5 U
Other									
ALKALINITY, BICARBONATE							130000		
ALKALINITY, TOTAL							130000	240000	240000
Bromide								500 U	500 U
Carbonate								5000 U	5000 U
Chloride		250000				97000	89000	43000	15000
Fluoride	4000	4000		1500				60	90
Hardness, As CaCO3						580000	510000	240000	240000
pH								7.92 SU	7.67 SU
Silica								400	500
Specific Conductance								790 umhos/cm	570 umhos/cm
Sulfate						370000	400000	66000	41000
Total Dissolved Solids						1000000	1.00E+06	400000	290000
Polychlorinated Biphenols									
Arochlor-1016	2.6	7.2	0.5	0.96					
Arochlor-1221	0.33	1.3	0.5	0.0068					
Arochlor-1232	0.33	1.3	0.5	0.0068					
Arochlor-1242	0.33	1.3	0.5	0.034					
Arochlor-1248	0.33	1.3	0.5	0.034					
Arochlor-1254	0.33	1.3	0.5	0.034					
Arochlor-1260	0.33	1.3	0.5	0.034					
PCBs (Total)	0.5	0.5	0.5	0.17					
PCBs (Total)	0.5	0.5	0.5						
PCBs (Total)	0.5	0.5	0.5						
TDS									
Total Dissolved Solids									
Petroleum Hydrocarbons									
Petroleum Hydrocarbons (TPH)						1000			

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-61D 9/27/1999	MW-61D 3/23/2000	MW-61S 10/20/1995	MW-61S 12/29/1995	MW-61S 9/27/1999	MW-61S 3/22/2000	MW-62D 10/18/1995	MW-62D 12/29/1995	MW-62S 10/20/1995
1,4-Dioxane													
1,4-Dioxane	6.4	32		0.67									
Anions													
Nitrate As N	10000	10000	10000	58000			2000	1200			3600	3300	3200
Cyanide													
Cyanide, Free	200	200	200	730	10 U	10 U			10 U	10 U			
Cyanide, Total	200	200		730	10 U	10 U			10 U	10 U			
Cyanide, Free													
Cyanide, Free	200	200	200	730			5 U	5 U			5 U	5 U	10
Cyanide, Total													
Cyanide, Total	200	200		730			5 U	5 U			5 U	5 U	10
Other													
ALKALINITY, BICARBONATE					220000	240000			250000	210000			
ALKALINITY, TOTAL					220000	240000	230000	230000	250000	210000	190000	190000	260000
Bromide							770	900			500 U	500 U	560
Carbonate							5000 U	5000 U			5000 U	5000 U	5000 U
Chloride		250000			20000	19000	96000	66000	37000	110000	18000	11000	34000
Fluoride	4000	4000		1500			60	30			90	90	180
Hardness, As CaCO3					260000	280000	320000	320000	220000	290000	220000	210000	140000
pH						7.49 SU	7.47 SU	7.33 SU		7.37 SU	7.69 SU	7.70 SU	7.72 SU
Silica							400	400			400	400	500
Specific Conductance							910 umhos/cm	740 umhos/cm			570 umhos/cm	520 umhos/cm	1200 umhos/cm
Sulfate					48000	55000	41000	4400	5000	3800	46000	29000	200000
Total Dissolved Solids					320000	330000	480000	360000	370000	460000	290000	250000	830000
Polychlorinated Biphenols													
Arochlor-1016	2.6	7.2	0.5	0.96									
Arochlor-1221	0.33	1.3	0.5	0.0068									
Arochlor-1232	0.33	1.3	0.5	0.0068									
Arochlor-1242	0.33	1.3	0.5	0.034									
Arochlor-1248	0.33	1.3	0.5	0.034									
Arochlor-1254	0.33	1.3	0.5	0.034									
Arochlor-1260	0.33	1.3	0.5	0.034									
PCBs (Total)	0.5	0.5	0.5										
PCBs (Total)	0.5	0.5	0.5	0.17									
PCBs (Total)	0.5	0.5	0.5										
TDS													
Total Dissolved Solids													
Petroleum Hydrocarbons													
Petroleum Hydrocarbons (TPH)					1000				1000				

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-62S 12/29/1995	MW-63D 10/19/1995	MW-63D 12/29/1995	MW-63S 10/19/1995	MW-63S 12/28/1995	MW-64D 10/18/1995	MW-64D 12/28/1995	MW-64D 9/17/1999	MW-64D 4/6/2000
1,4-Dioxane													
1,4-Dioxane	6.4	32		0.67									
Anions													
Nitrate As N	10000	10000	10000	58000	290	1800	2000	3700	4000	4200	3800		
Cyanide													
Cyanide, Free	200	200	200	730								10 U	10 U
Cyanide, Total	200	200		730								10 U	10 U
Cyanide, Free													
Cyanide, Free	200	200	200	730	5 U	5 U	5 U	5 U	5 U	5 U	5 U		
Cyanide, Total													
Cyanide, Total	200	200		730	5 U	5 U	5 U	5 U	5 U	5 U	5 U		
Other													
ALKALINITY, BICARBONATE												150000	160000
ALKALINITY, TOTAL					240000	200000	180000	190000	190000	150000	130000	150000	160000
Bromide					500 U	500 U	500 U	500 U	500 U	500 U	500 U		
Carbonate					5000 U	5000 U	5000 U	5000 U	5000 U	5000 U	5000 U		
Chloride		250000			15000	11000	5300	12000	8800	5800	5000 U	5000 U	5000 U
Fluoride	4000	4000		1500	230	490	440	70	50	180	160		
Hardness, As CaCO3					190000	210000	220000	200000	230000	150000	150000	14000	150000
pH					7.46 SU	7.71 SU	7.70 SU	7.77 SU	7.52 SU	7.71 SU	7.78 SU		
Silica					400	400	500	500	500	500	500		
Specific Conductance					790 umhos/cm	560 umhos/cm	450 umhos/cm	480 umhos/cm	460 umhos/cm	350 umhos/cm	320 umhos/cm		
Sulfate					120000	44000	16000	9600	5000	3000 U	3000 U	1000 U	2100
Total Dissolved Solids					470000	310000	210000	250000	250000	180000	180000	220000	190000
Polychlorinated Biphenols													
Arochlor-1016	2.6	7.2	0.5	0.96									
Arochlor-1221	0.33	1.3	0.5	0.0068									
Arochlor-1232	0.33	1.3	0.5	0.0068									
Arochlor-1242	0.33	1.3	0.5	0.034									
Arochlor-1248	0.33	1.3	0.5	0.034									
Arochlor-1254	0.33	1.3	0.5	0.034									
Arochlor-1260	0.33	1.3	0.5	0.034									
PCBs (Total)	0.5	0.5	0.5										
PCBs (Total)	0.5	0.5	0.5	0.17									
PCBs (Total)	0.5	0.5	0.5										
TDS													
Total Dissolved Solids													
Petroleum Hydrocarbons													
Petroleum Hydrocarbons (TPH)												1000	

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-64D 6/25/2001	MW-64D 6/14/2002	MW-64D 5/19/2008	MW-64D 9/29/2008	MW-64D 6/28/2010	MW-64S 12/29/1995	MW-64S 12/8/1998	MW-64S 4/10/2000	MW-64S 6/25/2001	MW-64S 5/14/2008	MW-64S 9/25/2008	MW-64S 7/1/2010
1,4-Dioxane																
1,4-Dioxane	6.4	32		0.67												
Anions																
Nitrate As N	10000	10000	10000	58000						5500						
Cyanide																
Cyanide, Free	200	200	200	730	0 U	0 U					0 U	10 U	0 U			
Cyanide, Total	200	200		730	0 U	0 U					0 U	10 U	0 U			
Cyanide, Free																
Cyanide, Free	200	200	200	730			1.9 B J	10 U		5 U				10 U	10 U	
Cyanide, Total																
Cyanide, Total	200	200		730			1.7 B J	10 U		5 U				10 U	10 U	
Other																
ALKALINITY, BICARBONATE																
ALKALINITY, TOTAL										86000						
Bromide										500 U						
Carbonate										5000 U						
Chloride		250000								5000 U						
Fluoride	4000	4000		1500						40						
Hardness, As CaCO3										43000						
pH										6.40 SU						
Silica										750						
Specific Conductance										320 umhos/cm						
Sulfate										52000						
Total Dissolved Solids										280000						
Polychlorinated Biphenols																
Arochlor-1016	2.6	7.2	0.5	0.96												
Arochlor-1221	0.33	1.3	0.5	0.0068												
Arochlor-1232	0.33	1.3	0.5	0.0068												
Arochlor-1242	0.33	1.3	0.5	0.034												
Arochlor-1248	0.33	1.3	0.5	0.034												
Arochlor-1254	0.33	1.3	0.5	0.034												
Arochlor-1260	0.33	1.3	0.5	0.034												
PCBs (Total)	0.5	0.5	0.5													
PCBs (Total)	0.5	0.5	0.5	0.17												
PCBs (Total)	0.5	0.5	0.5													
TDS																
Total Dissolved Solids									217000							195000
Petroleum Hydrocarbons																
Petroleum Hydrocarbons (TPH)																

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-65D 9/7/1999	MW-65D 3/27/2000	MW-65D 4/25/2008	MW-65D Dup 4/25/2008	MW-65D 9/10/2008	MW-65S 9/1/1999	MW-65S 4/4/2000	MW-65S 5/8/2008	MW-66D 9/9/1999	MW-66D 3/28/2000	MW-66D 4/30/2008	MW-66S 9/1/1999	MW-66S 3/28/2000
1,4-Dioxane																	
1,4-Dioxane	6.4	32		0.67													
Anions																	
Nitrate As N	10000	10000	10000	58000													
Cyanide																	
Cyanide, Free	200	200	200	730	10 U	10 U				10 U	10 U		10 U	10 U		10 U	10 U
Cyanide, Total	200	200		730	10 U	10 U				10 U	10 U		10 U	10 U		10 U	10 U
Cyanide, Free																	
Cyanide, Free	200	200	200	730			15	1.8 B J	10 U			210 J			10 U		
Cyanide, Total																	
Cyanide, Total	200	200		730			3.8 B	2.5 B	10 U			10 U			10 U		
Other																	
ALKALINITY, BICARBONATE					31000	25000				22000	17000		37000	39000		36000	47000
ALKALINITY, TOTAL					31000	25000				22000	17000		37000	39000		36000	47000
Bromide																	
Carbonate																	
Chloride		250000			20000	25000				7500	14000		15000	14000		15000	17000
Fluoride	4000	4000		1500													
Hardness, As CaCO3					63000	56000				33000	46000		67000	60000		63000	73000
pH																	
Silica																	
Specific Conductance																	
Sulfate					7600	4800				21000	14000		5800	12000		1000 U	11000
Total Dissolved Solids					170000	120000				180000	150000		130000	130000		120000	170000
Polychlorinated Biphenols																	
Arochlor-1016	2.6	7.2	0.5	0.96													
Arochlor-1221	0.33	1.3	0.5	0.0068													
Arochlor-1232	0.33	1.3	0.5	0.0068													
Arochlor-1242	0.33	1.3	0.5	0.034													
Arochlor-1248	0.33	1.3	0.5	0.034													
Arochlor-1254	0.33	1.3	0.5	0.034													
Arochlor-1260	0.33	1.3	0.5	0.034													
PCBs (Total)	0.5	0.5	0.5														
PCBs (Total)	0.5	0.5	0.5	0.17													
PCBs (Total)	0.5	0.5	0.5														
TDS																	
Total Dissolved Solids																	
Petroleum Hydrocarbons																	
Petroleum Hydrocarbons (TPH)					1000					1000			1000			1000	

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-66S 4/30/2008	MW-66S 9/10/2008	MW-67D 9/7/1999	MW-67D 3/29/2000	MW-67D 5/6/2008	MW-67S 9/1/1999	MW-67S 3/31/2000	MW-67S 5/6/2008	MW-68 9/9/1999	MW-68 3/28/2000	MW-68 5/12/2008	MW-69 9/9/1999	MW-69 4/4/2000
1,4-Dioxane																	
1,4-Dioxane	6.4	32		0.67													
Anions																	
Nitrate As N	10000	10000	10000	58000													
Cyanide																	
Cyanide, Free	200	200	200	730			10 U	10 U		10 U	10 U		10 U	10 U		10 U	10 U
Cyanide, Total	200	200		730			10 U	10 U		10 U	10 U		10 U	10 U		10 U	10 U
Cyanide, Free																	
Cyanide, Free	200	200	200	730	10 U	10 U			10 U			10 U			2.9 B J		
Cyanide, Total																	
Cyanide, Total	200	200		730	10 U	10 U			10 U			10 U			10 U		
Other																	
ALKALINITY, BICARBONATE								37000			49000		66000	47000		140000	150000
ALKALINITY, TOTAL								37000			49000		66000	47000		140000	150000
Bromide																	
Carbonate																	
Chloride		250000					12000	12000		7500	9700		7500	14000		20000	7800
Fluoride	4000	4000		1500													
Hardness, As CaCO3							87000	53000		110000	77000		77000	48000		150000	160000
pH																	
Silica																	
Specific Conductance																	
Sulfate							1000 U	2200		9800	3000		6000	5700		23000	28000
Total Dissolved Solids							170000	120000		200000	140000		88000	77000		180000	180000
Polychlorinated Biphenols																	
Arochlor-1016	2.6	7.2	0.5	0.96													
Arochlor-1221	0.33	1.3	0.5	0.0068													
Arochlor-1232	0.33	1.3	0.5	0.0068													
Arochlor-1242	0.33	1.3	0.5	0.034													
Arochlor-1248	0.33	1.3	0.5	0.034													
Arochlor-1254	0.33	1.3	0.5	0.034													
Arochlor-1260	0.33	1.3	0.5	0.034													
PCBs (Total)	0.5	0.5	0.5														
PCBs (Total)	0.5	0.5	0.5	0.17													
PCBs (Total)	0.5	0.5	0.5														
TDS																	
Total Dissolved Solids																	
Petroleum Hydrocarbons																	
Petroleum Hydrocarbons (TPH)							1000			1000			1000			1000	

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-69 6/25/2001	MW-69 6/12/2002	MW-69 5/5/2008	MW-69 9/22/2008	MW-70D 9/10/1999	MW-70D 4/3/2000	MW-70D 5/15/2008	MW-70S 9/10/1999	MW-70S 4/3/2000	MW-70S 5/12/2008	MW-71D 9/10/1999	MW-71D Dup 9/10/1999	MW-71D 4/5/2000
1,4-Dioxane																	
1,4-Dioxane	6.4	32		0.67													
Anions																	
Nitrate As N	10000	10000	10000	58000													
Cyanide																	
Cyanide, Free	200	200	200	730	0 U	0 U			10 U	10 U		10 U	10 U		10 U	10 U	10 U
Cyanide, Total	200	200		730	0 U	0 U			10 U	10 U		10 U	10 U		10 U	10 U	10 U
Cyanide, Free																	
Cyanide, Free	200	200	200	730			10 U	2.2 B J			10 U			2.7 B J			
Cyanide, Total																	
Cyanide, Total	200	200		730			7.8 B J	10 U			10 U			10 U			
Other																	
ALKALINITY, BICARBONATE									100000	110000		18000	10000		140000	130000	150000
ALKALINITY, TOTAL									100000	110000		18000	10000		140000	130000	150000
Bromide																	
Carbonate																	
Chloride		250000							0	5800		0	11000		0	0	5000 U
Fluoride	4000	4000		1500													
Hardness, As CaCO3									120000	110000		40000	30000		130000	140000	8000
pH																	
Silica																	
Specific Conductance																	
Sulfate									38000	13000		48000	9000		19000	19000	11000
Total Dissolved Solids									170000	160000		100000	88000		190000	210000	150000
Polychlorinated Biphenols																	
Arochlor-1016	2.6	7.2	0.5	0.96													
Arochlor-1221	0.33	1.3	0.5	0.0068													
Arochlor-1232	0.33	1.3	0.5	0.0068													
Arochlor-1242	0.33	1.3	0.5	0.034													
Arochlor-1248	0.33	1.3	0.5	0.034													
Arochlor-1254	0.33	1.3	0.5	0.034													
Arochlor-1260	0.33	1.3	0.5	0.034													
PCBs (Total)	0.5	0.5	0.5														
PCBs (Total)	0.5	0.5	0.5	0.17													
PCBs (Total)	0.5	0.5	0.5														
TDS																	
Total Dissolved Solids																	
Petroleum Hydrocarbons																	
Petroleum Hydrocarbons (TPH)									1000			1000			1000	1000	

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Parameter / Location/ID / Sample Date	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-71D 6/21/2001	MW-71S 6/21/2001	MW-72 9/13/1999	MW-72 3/28/2000	MW-73 9/13/1999	MW-73 3/24/2000	MW-74D 9/15/1999	MW-74D 4/6/2000	MW-74D 6/21/2001	MW-74D 6/14/2002	MW-74D 5/9/2008	MW-74D 9/17/2008	MW-74D 6/22/2010
1,4-Dioxane																	
1,4-Dioxane	6.4	32		0.67											0.71		
Anions																	
Nitrate As N	10000	10000	10000	58000													
Cyanide																	
Cyanide, Free	200	200	200	730	0 U	0 U	10 U	10 U	10 U	10 U	10 U	10 U	0 U	0 U			
Cyanide, Total	200	200		730	0 U	0 U	10 U	10 U	10 U	10 U	10 U	10 U	0 U	0 U			
Cyanide, Free																	
Cyanide, Free	200	200	200	730											10 U	10 U	
Cyanide, Total																	
Cyanide, Total	200	200		730											10 U	10 U	
Other																	
ALKALINITY, BICARBONATE							110000	150000	170000	180000		260000					
ALKALINITY, TOTAL							110000	150000	170000	180000		260000					
Bromide																	
Carbonate																	
Chloride		250000					5000 U	5200	5000 U	5000 U	110000	35000					
Fluoride	4000	4000		1500													
Hardness, As CaCO3							120000	140000	180000	180000	20000	290000					
pH										7.83 SU							
Silica																	
Specific Conductance																	
Sulfate							18000	4300	13000	13000	60000	55000					
Total Dissolved Solids							180000	160000	170000	190000	670000	410000					
Polychlorinated Biphenols																	
Arochlor-1016	2.6	7.2	0.5	0.96													
Arochlor-1221	0.33	1.3	0.5	0.0068													
Arochlor-1232	0.33	1.3	0.5	0.0068													
Arochlor-1242	0.33	1.3	0.5	0.034													
Arochlor-1248	0.33	1.3	0.5	0.034													
Arochlor-1254	0.33	1.3	0.5	0.034													
Arochlor-1260	0.33	1.3	0.5	0.034													
PCBs (Total)	0.5	0.5	0.5														
PCBs (Total)	0.5	0.5	0.5	0.17													
PCBs (Total)	0.5	0.5	0.5														
TDS																	
Total Dissolved Solids																	474000
Petroleum Hydrocarbons																	
Petroleum Hydrocarbons (TPH)							1000		1000		1000						

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-74S 9/15/1999	MW-74S 4/3/2000	MW-74S 6/21/2001	MW-74S 6/13/2002	MW-74S 4/29/2008	MW-74S 9/16/2008	MW-74S 6/22/2010	MW-75D 9/17/1999	MW-75D 4/7/2000	MW-75D 6/26/2001	MW-75D 6/18/2002	MW-75D 4/15/2004	MW-75D 5/21/2008
1,4-Dioxane																	
1,4-Dioxane	6.4	32		0.67													
Anions																	
Nitrate As N	10000	10000	10000	58000													
Cyanide																	
Cyanide, Free	200	200	200	730	10 U	10 U	0 U	0 U				10 U	10 U	0 U	0 U		
Cyanide, Total	200	200		730	10 U	10 U	0 U	0 U				10 U	10 U	0 U	0 U	5 U	
Cyanide, Free																	
Cyanide, Free	200	200	200	730					10 U	1.7 B J							10 U
Cyanide, Total																	
Cyanide, Total	200	200		730					10 U	10 U							2 B J
Other																	
ALKALINITY, BICARBONATE						230000						220000	230000				
ALKALINITY, TOTAL						230000						220000	230000				
Bromide																	
Carbonate																	
Chloride		250000			35000	16000						37000	37000				
Fluoride	4000	4000		1500													
Hardness, As CaCO3					260000	220000						280000	240000				
pH																	
Silica																	
Specific Conductance																	
Sulfate					39000	21000						36000	31000				
Total Dissolved Solids					420000	300000						380000	340000				
Polychlorinated Biphenols																	
Arochlor-1016	2.6	7.2	0.5	0.96												0.5 U	
Arochlor-1221	0.33	1.3	0.5	0.0068												0.5 U	
Arochlor-1232	0.33	1.3	0.5	0.0068												0.5 U	
Arochlor-1242	0.33	1.3	0.5	0.034												0.5 U	
Arochlor-1248	0.33	1.3	0.5	0.034												0.5 U	
Arochlor-1254	0.33	1.3	0.5	0.034												0.5 U	
Arochlor-1260	0.33	1.3	0.5	0.034												0.5 U	
PCBs (Total)	0.5	0.5	0.5													0.5 U	
PCBs (Total)	0.5	0.5	0.5	0.17												0.5 U	
PCBs (Total)	0.5	0.5	0.5													0.5 U	
TDS																	
Total Dissolved Solids											390000						
Petroleum Hydrocarbons																	
Petroleum Hydrocarbons (TPH)					1000							1000					

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-75D 10/2/2008	MW-75S 9/17/1999	MW-75S 4/7/2000	MW-75S 6/26/2001	MW-75S 6/18/2002	MW-75S 4/15/2004	MW-75S 5/21/2008	MW-75S 10/6/2008	MW-75S 7/6/2010	MW-76 9/14/1999	MW-76 3/28/2000	MW-76 6/21/2001	MW-76 6/11/2002
1,4-Dioxane																	
1,4-Dioxane	6.4	32		0.67							1.5						
Anions																	
Nitrate As N	10000	10000	10000	58000													
Cyanide																	
Cyanide, Free	200	200	200	730		10 U	10 U	0 U	0 U					10 U	10 U	0 U	0 U
Cyanide, Total	200	200		730		10 U	10 U	0 U	0 U	10 U				10 U	10 U	0 U	0 U
Cyanide, Free																	
Cyanide, Free	200	200	200	730	10 U						10 U	1.9 B					
Cyanide, Total																	
Cyanide, Total	200	200		730	10 U						1.7 B J	10 U					
Other																	
ALKALINITY, BICARBONATE						160000	160000								280000		
ALKALINITY, TOTAL						160000	160000								280000		
Bromide																	
Carbonate																	
Chloride		250000				25000	26000							30000	14000		
Fluoride	4000	4000		1500													
Hardness, As CaCO3						180000	170000							320000	320000		
pH																	
Silica																	
Specific Conductance																	
Sulfate						33000	20000							65000	65000		
Total Dissolved Solids						290000	240000							460000	410000		
Polychlorinated Biphenols																	
Arochlor-1016	2.6	7.2	0.5	0.96						0.5 U							
Arochlor-1221	0.33	1.3	0.5	0.0068						0.5 U							
Arochlor-1232	0.33	1.3	0.5	0.0068						0.5 U							
Arochlor-1242	0.33	1.3	0.5	0.034						0.5 U							
Arochlor-1248	0.33	1.3	0.5	0.034						0.5 U							
Arochlor-1254	0.33	1.3	0.5	0.034						0.5 U							
Arochlor-1260	0.33	1.3	0.5	0.034						0.5 U							
PCBs (Total)	0.5	0.5	0.5							0.5 U							
PCBs (Total)	0.5	0.5	0.5	0.17						0.5 U							
PCBs (Total)	0.5	0.5	0.5							0.5 U							
TDS																	
Total Dissolved Solids													757000				
Petroleum Hydrocarbons																	
Petroleum Hydrocarbons (TPH)						1000								1000			

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-77 9/10/1999	MW-77 3/24/2000	MW-77 4/24/2008	MW-77 10/2/2008	MW-77 7/8/2010	MW-78 9/9/1999	MW-78 3/22/2000	MW-78 4/23/2008	MW-79 9/13/1999	MW-79 3/23/2000	MW-79 4/24/2008	MW-79 9/15/2008	MW-79 6/22/2009
1,4-Dioxane																	
1,4-Dioxane	6.4	32		0.67													
Anions																	
Nitrate As N	10000	10000	10000	58000													
Cyanide																	
Cyanide, Free	200	200	200	730	10 U	10 U				10 U	10 U		10 U	10 U			
Cyanide, Total	200	200		730	10 U	10 U				10 U	10 U		10 U	10 U			
Cyanide, Free																	
Cyanide, Free	200	200	200	730			2.9 B	10 U				10 U			3.4 B	2.6 B J	2.1 B J
Cyanide, Total																	
Cyanide, Total	200	200		730			1.7 B J	10 U				10 U			10 U	3200 J	10 U
Other																	
ALKALINITY, BICARBONATE						290000				16000	24000		320000	320000			
ALKALINITY, TOTAL						290000				16000	24000		320000	320000			
Bromide																	
Carbonate																	
Chloride		250000			0	11000				5000 U	18000		35000	38000			
Fluoride	4000	4000		1500													
Hardness, As CaCO3					340000	5000				33000	42000		310000	290000			
pH						6.43 SU					6.04 SU			7.01 SU			
Silica																	
Specific Conductance																	
Sulfate					25000	8600				1000 U	2900		10000	14000			
Total Dissolved Solids					360000	2.30E+06				46000	140000		420000	520000			
Polychlorinated Biphenols																	
Arochlor-1016	2.6	7.2	0.5	0.96													
Arochlor-1221	0.33	1.3	0.5	0.0068													
Arochlor-1232	0.33	1.3	0.5	0.0068													
Arochlor-1242	0.33	1.3	0.5	0.034													
Arochlor-1248	0.33	1.3	0.5	0.034													
Arochlor-1254	0.33	1.3	0.5	0.034													
Arochlor-1260	0.33	1.3	0.5	0.034													
PCBs (Total)	0.5	0.5	0.5														
PCBs (Total)	0.5	0.5	0.5	0.17													
PCBs (Total)	0.5	0.5	0.5														
TDS																	
Total Dissolved Solids									350000								
Petroleum Hydrocarbons																	
Petroleum Hydrocarbons (TPH)					3500					1000			1000				

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-80 9/10/1999	MW-80 3/28/2000	MW-80 5/1/2008	MW-80 6/21/2010	MW-81D 9/13/1999	MW-81D 4/4/2000	MW-81D 6/26/2001	MW-81D 6/17/2002	MW-81D 5/23/2008	MW-81D 10/7/2008	MW-81D 7/8/2010	MW-81S 9/13/1999	MW-81S 4/4/2000
1,4-Dioxane																	
1,4-Dioxane	6.4	32		0.67				3.1									
Anions																	
Nitrate As N	10000	10000	10000	58000													
Cyanide																	
Cyanide, Free	200	200	200	730	10 U	10 U			10 U	10 U	0 U	0 U				10 U	10 U
Cyanide, Total	200	200		730	10 U	10 U			10 U	10 U	0 U	0 U				10 U	10 U
Cyanide, Free																	
Cyanide, Free	200	200	200	730			10 U						1.8 B	10 U			
Cyanide, Total																	
Cyanide, Total	200	200		730			4.1 B						10 U	10 U			
Other																	
ALKALINITY, BICARBONATE					340000	310000				220000						190000	210000
ALKALINITY, TOTAL					340000	310000				220000						190000	210000
Bromide																	
Carbonate																	
Chloride		250000			0	64000			65000	69000						120000	120000
Fluoride	4000	4000		1500													
Hardness, As CaCO3					390000	370000			290000	290000						320000	350000
pH																	
Silica																	
Specific Conductance																	
Sulfate					45000	20000			29000	33000						25000	32000
Total Dissolved Solids					480000	450000			430000	490000						490000	620000
Polychlorinated Biphenols																	
Arochlor-1016	2.6	7.2	0.5	0.96													
Arochlor-1221	0.33	1.3	0.5	0.0068													
Arochlor-1232	0.33	1.3	0.5	0.0068													
Arochlor-1242	0.33	1.3	0.5	0.034													
Arochlor-1248	0.33	1.3	0.5	0.034													
Arochlor-1254	0.33	1.3	0.5	0.034													
Arochlor-1260	0.33	1.3	0.5	0.034													
PCBs (Total)	0.5	0.5	0.5														
PCBs (Total)	0.5	0.5	0.5	0.17													
PCBs (Total)	0.5	0.5	0.5														
TDS																	
Total Dissolved Solids								1270000							941000		
Petroleum Hydrocarbons																	
Petroleum Hydrocarbons (TPH)					1000				1000							1000	

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-81S 6/26/2001	MW-81S 6/17/2002	MW-81S 5/23/2008	MW-81S 10/7/2008	MW-81S 7/9/2010	MW-82 9/10/1999	MW-82 3/31/2000	MW-82 6/20/2001	MW-82 6/12/2002	MW-82 4/25/2008	MW-82 9/12/2008	MW-82 6/18/2010	MW-83 9/13/1999
1,4-Dioxane																	
1,4-Dioxane	6.4	32		0.67													
Anions																	
Nitrate As N	10000	10000	10000	58000													
Cyanide																	
Cyanide, Free	200	200	200	730	0 U	0 U				10 U	10 U	0 U	0 U				10 U
Cyanide, Total	200	200		730	0 U	0 U				10 U	10 U	0 U	0 U				10 U
Cyanide, Free																	
Cyanide, Free	200	200	200	730			10 U	10 U						1.9 B	3.3 B J		
Cyanide, Total																	
Cyanide, Total	200	200		730			10 U	10 U						10 U	10 U		
Other																	
ALKALINITY, BICARBONATE										190000	200000						170000
ALKALINITY, TOTAL										190000	200000						170000
Bromide																	
Carbonate																	
Chloride		250000								0	15000						32400
Fluoride	4000	4000		1500													
Hardness, As CaCO3										190000	200000						170000
pH																	
Silica																	
Specific Conductance																	
Sulfate										12000	11000						1000 U
Total Dissolved Solids										250000	230000						280000
Polychlorinated Biphenols																	
Arochlor-1016	2.6	7.2	0.5	0.96													
Arochlor-1221	0.33	1.3	0.5	0.0068													
Arochlor-1232	0.33	1.3	0.5	0.0068													
Arochlor-1242	0.33	1.3	0.5	0.034													
Arochlor-1248	0.33	1.3	0.5	0.034													
Arochlor-1254	0.33	1.3	0.5	0.034													
Arochlor-1260	0.33	1.3	0.5	0.034													
PCBs (Total)	0.5	0.5	0.5														
PCBs (Total)	0.5	0.5	0.5	0.17													
PCBs (Total)	0.5	0.5	0.5														
TDS																	
Total Dissolved Solids									1030000							275000	
Petroleum Hydrocarbons																	
Petroleum Hydrocarbons (TPH)										1000							1000

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-83 3/22/2000	MW-83 5/23/2008	MW-83 10/7/2008	MW-84 9/9/1999	MW-84 3/30/2000	MW-84 5/14/2008	MW-85 4/11/2000	MW-85 Dup 4/11/2000	MW-85 6/22/2001	MW-85 6/12/2002	MW-85 4/25/2008	MW-85 9/18/2008	MW-86D 9/7/1999
1,4-Dioxane																	
1,4-Dioxane	6.4	32		0.67													
Anions																	
Nitrate As N	10000	10000	10000	58000													
Cyanide																	
Cyanide, Free	200	200	200	730	10 U			10 U	10 U		10 U		0 U	0 U			10 U
Cyanide, Total	200	200		730	10 U			10 U	10 U		10 U		0 U	0 U			10 U
Cyanide, Free																	
Cyanide, Free	200	200	200	730		10 U	1.8 B			10 U					10 U	10 U	
Cyanide, Total																	
Cyanide, Total	200	200		730		2.4 B J	10 U			10 U					10 U	4.2 B	
Other																	
ALKALINITY, BICARBONATE					200000			220000	220000		260000						
ALKALINITY, TOTAL					200000			220000	220000		260000						
Bromide																	
Carbonate																	
Chloride		250000			40000			20000	20000		46000	39000					7500
Fluoride	4000	4000		1500													
Hardness, As CaCO3					220000			250000	230000		310000	300000					153000
pH					7.34 SU												
Silica																	
Specific Conductance																	
Sulfate					6400			6000	4700		110000						1000 U
Total Dissolved Solids					270000			280000	280000		450000	470000					190000
Polychlorinated Biphenols																	
Arochlor-1016	2.6	7.2	0.5	0.96													
Arochlor-1221	0.33	1.3	0.5	0.0068													
Arochlor-1232	0.33	1.3	0.5	0.0068													
Arochlor-1242	0.33	1.3	0.5	0.034													
Arochlor-1248	0.33	1.3	0.5	0.034													
Arochlor-1254	0.33	1.3	0.5	0.034													
Arochlor-1260	0.33	1.3	0.5	0.034													
PCBs (Total)	0.5	0.5	0.5														
PCBs (Total)	0.5	0.5	0.5	0.17													
PCBs (Total)	0.5	0.5	0.5														
TDS																	
Total Dissolved Solids																	
Petroleum Hydrocarbons																	
Petroleum Hydrocarbons (TPH)								1000			5400	1000					1000

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-86D 4/3/2000	MW-86D 5/5/2008	MW-86S 9/7/1999	MW-86S 3/31/2000	MW-86S 5/5/2008	MW-87 9/17/1999	MW-87 4/4/2000	MW-87 6/26/2001	MW-87 6/17/2002	MW-87 5/15/2008	MW-87 10/1/2008	MW-87 7/9/2009	MW-87 7/2/2010
1,4-Dioxane																	
1,4-Dioxane	6.4	32		0.67										29		19	41
Anions																	
Nitrate As N	10000	10000	10000	58000													
Cyanide																	
Cyanide, Free	200	200	200	730	10 U		10 U	10 U		10 U	10 U	0 U	0 U				
Cyanide, Total	200	200		730	10 U		10 U	10 U		11	10 U	0 U	0 U				
Cyanide, Free																	
Cyanide, Free	200	200	200	730		2.8 B			10 U					10 U	10 U		
Cyanide, Total																	
Cyanide, Total	200	200		730		10 U			9.3 B J					10 U	10 U		
Other																	
ALKALINITY, BICARBONATE					150000		15000	34000		240000	250000						
ALKALINITY, TOTAL					150000		15000	34000		240000	250000						
Bromide																	
Carbonate																	
Chloride		250000			5500		7500	11000		20000	22000						
Fluoride	4000	4000		1500													
Hardness, As CaCO3					150000		37000	50000		280000	250000						
pH																	
Silica																	
Specific Conductance																	
Sulfate					3400		5000	7500		12000	4900						
Total Dissolved Solids					190000		92000	100000		350000	320000						
Polychlorinated Biphenols																	
Arochlor-1016	2.6	7.2	0.5	0.96													
Arochlor-1221	0.33	1.3	0.5	0.0068													
Arochlor-1232	0.33	1.3	0.5	0.0068													
Arochlor-1242	0.33	1.3	0.5	0.034													
Arochlor-1248	0.33	1.3	0.5	0.034													
Arochlor-1254	0.33	1.3	0.5	0.034													
Arochlor-1260	0.33	1.3	0.5	0.034													
PCBs (Total)	0.5	0.5	0.5														
PCBs (Total)	0.5	0.5	0.5	0.17													
PCBs (Total)	0.5	0.5	0.5														
TDS																	
Total Dissolved Solids																	387000
Petroleum Hydrocarbons																	
Petroleum Hydrocarbons (TPH)							1000			1000							

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-88 4/10/2000	MW-88 6/12/2002	MW-88 4/29/2008	MW-88 9/25/2008	MW-88 6/25/2010	MW-89 4/11/2000	MW-89 6/22/2001	MW-90 4/11/2000	MW-90 6/19/2001	MW-91 4/10/2000	MW-91 6/22/2001	MW-91 6/14/2002	MW-91 6/4/2003
1,4-Dioxane																	
1,4-Dioxane	6.4	32		0.67													
Anions																	
Nitrate As N	10000	10000	10000	58000													
Cyanide																	
Cyanide, Free	200	200	200	730	10 U	0 U				10 U	0 U	10 U	0 U	10 U	14	0 U	8
Cyanide, Total	200	200		730	10 U	0 U				10 U	0 U	10 U	0 U	10 U	108	10	76
Cyanide, Free																	
Cyanide, Free	200	200	200	730			1.7 B J	10 U									
Cyanide, Total																	
Cyanide, Total	200	200		730			10 U	10 U									
Other																	
ALKALINITY, BICARBONATE					280000					160000		89000		38000			
ALKALINITY, TOTAL					280000					160000		89000		38000			
Bromide																	
Carbonate																	
Chloride		250000			11000					5400		6900		18000			
Fluoride	4000	4000		1500													
Hardness, As CaCO3					290000					170000		0		52000			
pH																	
Silica																	
Specific Conductance																	
Sulfate					32000					11000		4800		15000			
Total Dissolved Solids					360000					230000		140000		260000			
Polychlorinated Biphenols																	
Arochlor-1016	2.6	7.2	0.5	0.96													
Arochlor-1221	0.33	1.3	0.5	0.0068													
Arochlor-1232	0.33	1.3	0.5	0.0068													
Arochlor-1242	0.33	1.3	0.5	0.034													
Arochlor-1248	0.33	1.3	0.5	0.034													
Arochlor-1254	0.33	1.3	0.5	0.034													
Arochlor-1260	0.33	1.3	0.5	0.034													
PCBs (Total)	0.5	0.5	0.5														
PCBs (Total)	0.5	0.5	0.5	0.17													
PCBs (Total)	0.5	0.5	0.5														
TDS																	
Total Dissolved Solids									1010000								
Petroleum Hydrocarbons																	
Petroleum Hydrocarbons (TPH)										3100		3600		6900			

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-91 6/9/2004	MW-91 6/21/2005	MW-91 6/23/2006	MW-91 6/28/2007	MW-91 5/7/2008	MW-91 9/19/2008	MW-91 6/25/2009	MW-92 4/10/2000	MW-92 6/21/2001	MW-92 6/17/2002	MW-92 6/4/2003	MW-92 6/10/2004	MW-92 6/16/2005
1,4-Dioxane																	
1,4-Dioxane	6.4	32		0.67													
Anions																	
Nitrate As N	10000	10000	10000	58000													
Cyanide																	
Cyanide, Free	200	200	200	730	5 U	14						10 U	8	0 U	6	5 U	10 U
Cyanide, Total	200	200		730	25	10						10 U	24	19	19	15	27
Cyanide, Free																	
Cyanide, Free	200	200	200	730			4.9	2 U	6.8 B J	3.8 B	3.3 B J						
Cyanide, Total																	
Cyanide, Total	200	200		730			350	59.7	27	13	25						
Other																	
ALKALINITY, BICARBONATE												23000					
ALKALINITY, TOTAL												23000					
Bromide																	
Carbonate																	
Chloride		250000										21000					
Fluoride	4000	4000		1500													
Hardness, As CaCO3												70000					
pH																	
Silica																	
Specific Conductance																	
Sulfate												6300					
Total Dissolved Solids												140000					
Polychlorinated Biphenols																	
Arochlor-1016	2.6	7.2	0.5	0.96													
Arochlor-1221	0.33	1.3	0.5	0.0068													
Arochlor-1232	0.33	1.3	0.5	0.0068													
Arochlor-1242	0.33	1.3	0.5	0.034													
Arochlor-1248	0.33	1.3	0.5	0.034													
Arochlor-1254	0.33	1.3	0.5	0.034													
Arochlor-1260	0.33	1.3	0.5	0.034													
PCBs (Total)	0.5	0.5	0.5														
PCBs (Total)	0.5	0.5	0.5	0.17													
PCBs (Total)	0.5	0.5	0.5														
TDS																	
Total Dissolved Solids																	
Petroleum Hydrocarbons																	
Petroleum Hydrocarbons (TPH)												6800					

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Parameter / Location/ID Sample Date	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-92 6/22/2006
1,4-Dioxane					
1,4-Dioxane	6.4	32		0.67	
Anions					
Nitrate As N	10000	10000	10000	58000	
Cyanide					
Cyanide, Free	200	200	200	730	
Cyanide, Total	200	200		730	
Cyanide, Free					
Cyanide, Free	200	200	200	730	2.3
Cyanide, Total					
Cyanide, Total	200	200		730	25
Other					
ALKALINITY, BICARBONATE					
ALKALINITY, TOTAL					
Bromide					
Carbonate					
Chloride		250000			
Fluoride	4000	4000		1500	
Hardness, As CaCO3					
pH					
Silica					
Specific Conductance					
Sulfate					
Total Dissolved Solids					
Polychlorinated Biphenols					
Arochlor-1016	2.6	7.2	0.5	0.96	
Arochlor-1221	0.33	1.3	0.5	0.0068	
Arochlor-1232	0.33	1.3	0.5	0.0068	
Arochlor-1242	0.33	1.3	0.5	0.034	
Arochlor-1248	0.33	1.3	0.5	0.034	
Arochlor-1254	0.33	1.3	0.5	0.034	
Arochlor-1260	0.33	1.3	0.5	0.034	
PCBs (Total)	0.5	0.5	0.5		
PCBs (Total)	0.5	0.5	0.5	0.17	
PCBs (Total)	0.5	0.5	0.5		
TDS					
Total Dissolved Solids					
Petroleum Hydrocarbons					
Petroleum Hydrocarbons (TPH)					

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-92 6/27/2007	MW-92 5/14/2008	MW-92 9/30/2008	MW-92 7/8/2009	MW-92 6/29/2010	MW-93D 4/15/2004	MW-93D 4/16/2004	MW-93D 4/26/2004	MW-93D Dup 4/26/2004	MW-93D 6/20/2005	MW-93D 6/23/2006	MW-93D 6/27/2007	MW-93D 5/13/2008
1,4-Dioxane																	
1,4-Dioxane	6.4	32		0.67													
Cyanide																	
Cyanide, Free	200	200	200	730										5 U			
Cyanide, Total	200	200		730						0 U	5 U	10 U	10 U	5 U			
Cyanide, Free																	
Cyanide, Free	200	200	200	730	2 U	6.2 B J	5 B	14							1.7 B	2 U	5.3 B J
Cyanide, Total																	
Cyanide, Total	200	200		730	23.4 J	4.2 B	16	13							10 U	1.8 B J	10 U
Other																	
Bromide																	
pH																	
Polychlorinated Biphenols																	
Arochlor-1016	2.6	7.2	0.5	0.96							0.5 U	0.5 U	0.5 U				
Arochlor-1221	0.33	1.3	0.5	0.0068							0.5 U	0.5 U	0.5 U				
Arochlor-1232	0.33	1.3	0.5	0.0068							0.5 U	0.5 U	0.5 U				
Arochlor-1242	0.33	1.3	0.5	0.034							0.5 U	0.5 U	0.5 U				
Arochlor-1248	0.33	1.3	0.5	0.034							0.5 U	0.5 U	0.5 U				
Arochlor-1254	0.33	1.3	0.5	0.034							0.5 U	0.5 U	0.5 U				
Arochlor-1260	0.33	1.3	0.5	0.034							0.5 U	0.5 U	0.5 U				
PCBs (Total)	0.5	0.5	0.5								0.5 U	0.5 U	0.5 U				
PCBs (Total)	0.5	0.5	0.5	0.17							0.5 U	0.5 U	0.5 U				
PCBs (Total)	0.5	0.5	0.5								0.5 U	0.5 U	0.5 U				
TDS																	
Total Dissolved Solids									155000								

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-93D 9/22/2008	MW-93D 6/28/2010	MW-93S 4/15/2004	MW-93S Dup 4/15/2004	MW-93S 4/26/2004	MW-93S 6/20/2005	MW-93S 6/22/2006	MW-93S 6/27/2007	MW-93S 4/25/2008	MW-93S 9/15/2008	MW-93S 6/23/2010	MW-94 5/8/2008	MW-94 9/29/2008
1,4-Dioxane																	
1,4-Dioxane	6.4	32		0.67													
Cyanide																	
Cyanide, Free	200	200	200	730			0 U			5 U							
Cyanide, Total	200	200		730			5 U	5 U	10 U	5 U							
Cyanide, Free																	
Cyanide, Free	200	200	200	730	2.2 B J						2 U	2 U	9.2 B	1.7 B J		10 U	10 U
Cyanide, Total																	
Cyanide, Total	200	200		730	10 U						10 U	10 U	3.6 B	10 U		10 U	10 U
Other																	
Bromide																	
pH																	
Polychlorinated Biphenols																	
Arochlor-1016	2.6	7.2	0.5	0.96			0.5 U	0.5 U	0.6 U								
Arochlor-1221	0.33	1.3	0.5	0.0068			0.5 U	0.5 U	0.6 U								
Arochlor-1232	0.33	1.3	0.5	0.0068			0.5 U	0.5 U	0.6 U								
Arochlor-1242	0.33	1.3	0.5	0.034			0.5 U	0.5 U	0.6 U								
Arochlor-1248	0.33	1.3	0.5	0.034			0.5 U	0.5 U	0.6 U								
Arochlor-1254	0.33	1.3	0.5	0.034			0.5 U	0.5 U	0.6 U								
Arochlor-1260	0.33	1.3	0.5	0.034			0.5 U	0.5 U	0.6 U								
PCBs (Total)	0.5	0.5	0.5				0.5 U	0.5 U	0.6 U								
PCBs (Total)	0.5	0.5	0.5	0.17			0.5 U	0.5 U	0.6 U								
PCBs (Total)	0.5	0.5	0.5				0.5 U	0.5 U	0.6 U								
TDS																	
Total Dissolved Solids						231000									211000		

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-94 7/7/2010	MW-95 5/2/2008	MW-95 9/11/2008	MW-95 6/23/2010	MW-96D 5/2/2008	MW-96D 9/24/2008	MW-96D 6/28/2010	MW-96S 5/2/2008	MW-96S 10/1/2008	MW-96S Dup 10/1/2008	MW-96S 7/2/2010	MW-97 5/2/2008	MW-97 9/19/2008	MW-98D 5/27/2008
1,4-Dioxane																		
1,4-Dioxane	6.4	32		0.67														
Cyanide																		
Cyanide, Free	200	200	200	730														
Cyanide, Total	200	200		730														
Cyanide, Free																		
Cyanide, Free	200	200	200	730		10 U	1.7 B J		10 U	10 U		10 U	10 U	10 U		10 U	10 U	10 U
Cyanide, Total																		
Cyanide, Total	200	200		730		10 U	2.5 B		10 U	10 U		10 U	10 U	10 U		10 U	10 U	10 U
Other																		
Bromide																		
pH																		
Polychlorinated Biphenols																		
Arochlor-1016	2.6	7.2	0.5	0.96														
Arochlor-1221	0.33	1.3	0.5	0.0068														
Arochlor-1232	0.33	1.3	0.5	0.0068														
Arochlor-1242	0.33	1.3	0.5	0.034														
Arochlor-1248	0.33	1.3	0.5	0.034														
Arochlor-1254	0.33	1.3	0.5	0.034														
Arochlor-1260	0.33	1.3	0.5	0.034														
PCBs (Total)	0.5	0.5	0.5															
PCBs (Total)	0.5	0.5	0.5	0.17														
PCBs (Total)	0.5	0.5	0.5															
TDS																		
Total Dissolved Solids					179000			391000			431000				499000			

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-98D 9/8/2008	MW-98D 6/17/2009	MW-98D 6/15/2010	MW-98I 5/23/2008	MW-98I 9/12/2008	MW-98I 6/18/2009	MW-98I 6/16/2010	MW-98S 5/22/2008	MW-98S 9/8/2008	MW-98S 6/17/2009	MW-98S 6/16/2010	MW-99D 5/22/2008	MW-99D 9/18/2008	MW-99D 6/22/2010
1,4-Dioxane																		
1,4-Dioxane	6.4	32		0.67														
Cyanide																		
Cyanide, Free	200	200	200	730														
Cyanide, Total	200	200		730														
Cyanide, Free																		
Cyanide, Free	200	200	200	730	10 U	2.4 B J		4 B	4.1 B J	4.3 B J		4.3 J	10 U	3.1 B J		10 UJ	10 U	
Cyanide, Total																		
Cyanide, Total	200	200		730	10 U	10 U		19 J	11 J	7.3 B		20 J	8.1 B	9.9 B		10 U	10 U	
Other																		
Bromide																		
pH																		
Polychlorinated Biphenols																		
Arochlor-1016	2.6	7.2	0.5	0.96														
Arochlor-1221	0.33	1.3	0.5	0.0068														
Arochlor-1232	0.33	1.3	0.5	0.0068														
Arochlor-1242	0.33	1.3	0.5	0.034														
Arochlor-1248	0.33	1.3	0.5	0.034														
Arochlor-1254	0.33	1.3	0.5	0.034														
Arochlor-1260	0.33	1.3	0.5	0.034														
PCBs (Total)	0.5	0.5	0.5															
PCBs (Total)	0.5	0.5	0.5	0.17														
PCBs (Total)	0.5	0.5	0.5															
TDS																		
Total Dissolved Solids							116000				138000				508000			446000

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-99S 5/22/2008	MW-99S 9/24/2008	MW-99S 6/22/2010	MW-100D 5/22/2008	MW-100D 9/22/2008	MW-100D 6/24/2010	MW-100I 5/21/2008	MW-100I 9/24/2008	MW-100I 6/24/2010	MW-100S 5/22/2008	MW-100S Dup 5/22/2008	MW-100S 9/24/2008	MW-100S 6/22/2010
1,4-Dioxane																	
1,4-Dioxane	6.4	32		0.67													
Cyanide																	
Cyanide, Free	200	200	200	730													
Cyanide, Total	200	200		730													
Cyanide, Free																	
Cyanide, Free	200	200	200	730	10 UJ	10 U		10 UJ	2.2 B J		10 U	10 U		10 UJ	10 UJ	10 U	
Cyanide, Total																	
Cyanide, Total	200	200		730	10 U	10 U		10 U	10 U		1.8 B J	10 U		10 U	10 U	10 U	
Other																	
Bromide																	
pH																	
Polychlorinated Biphenols																	
Arochlor-1016	2.6	7.2	0.5	0.96													
Arochlor-1221	0.33	1.3	0.5	0.0068													
Arochlor-1232	0.33	1.3	0.5	0.0068													
Arochlor-1242	0.33	1.3	0.5	0.034													
Arochlor-1248	0.33	1.3	0.5	0.034													
Arochlor-1254	0.33	1.3	0.5	0.034													
Arochlor-1260	0.33	1.3	0.5	0.034													
PCBs (Total)	0.5	0.5	0.5														
PCBs (Total)	0.5	0.5	0.5	0.17													
PCBs (Total)	0.5	0.5	0.5														
TDS																	
Total Dissolved Solids							498000			401000			435000				470000

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-101D 5/21/2008	MW-101D 9/12/2008	MW-101D 6/16/2010	MW-101S 5/22/2008	MW-101S 9/10/2008	MW-101S 6/22/2010	MW-102D 4/29/2008	MW-102D 9/19/2008	MW-102D 6/23/2010	MW-102S 4/30/2008	MW-102S 9/17/2008	MW-102S 6/21/2010	MW-103D 4/30/2008
1,4-Dioxane																	
1,4-Dioxane	6.4	32		0.67													
Cyanide																	
Cyanide, Free	200	200	200	730													
Cyanide, Total	200	200		730													
Cyanide, Free																	
Cyanide, Free	200	200	200	730	10 U	1.6 B J		10 UJ	10 U		10 U	10 U		10 U	10 U		10 U
Cyanide, Total																	
Cyanide, Total	200	200		730	10 U	10 U		10 U	10 U		10 U	10 U		10 U	10 U		10 U
Other																	
Bromide																	
pH																	
Polychlorinated Biphenols																	
Arochlor-1016	2.6	7.2	0.5	0.96													
Arochlor-1221	0.33	1.3	0.5	0.0068													
Arochlor-1232	0.33	1.3	0.5	0.0068													
Arochlor-1242	0.33	1.3	0.5	0.034													
Arochlor-1248	0.33	1.3	0.5	0.034													
Arochlor-1254	0.33	1.3	0.5	0.034													
Arochlor-1260	0.33	1.3	0.5	0.034													
PCBs (Total)	0.5	0.5	0.5														
PCBs (Total)	0.5	0.5	0.5	0.17													
PCBs (Total)	0.5	0.5	0.5														
TDS																	
Total Dissolved Solids							411000			577000			151000			146000	

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-103D 9/19/2008	MW-103D 6/18/2010	MW-103S 4/30/2008	MW-103S 9/19/2008	MW-103S 6/24/2010	MW-104 5/5/2008	MW-104 10/9/2008	MW-104 6/23/2010	MW-105 5/5/2008	MW-105 10/2/2008	MW-106 4/29/2008	MW-106 9/29/2008	MW-106 6/18/2010
1,4-Dioxane																	
1,4-Dioxane	6.4	32		0.67													
Cyanide																	
Cyanide, Free	200	200	200	730													
Cyanide, Total	200	200		730													
Cyanide, Free																	
Cyanide, Free	200	200	200	730	10 U		1.8 B J	10 U		10 U	1.7 B		10 U	10 U	2 B J	10 U	
Cyanide, Total																	
Cyanide, Total	200	200		730	10 U		10 U	10 U		9.7 B J	10 U		2.3 B	10 U	10 U	10 U	
Other																	
Bromide																	
pH																	
Polychlorinated Biphenols																	
Arochlor-1016	2.6	7.2	0.5	0.96													
Arochlor-1221	0.33	1.3	0.5	0.0068													
Arochlor-1232	0.33	1.3	0.5	0.0068													
Arochlor-1242	0.33	1.3	0.5	0.034													
Arochlor-1248	0.33	1.3	0.5	0.034													
Arochlor-1254	0.33	1.3	0.5	0.034													
Arochlor-1260	0.33	1.3	0.5	0.034													
PCBs (Total)	0.5	0.5	0.5														
PCBs (Total)	0.5	0.5	0.5	0.17													
PCBs (Total)	0.5	0.5	0.5														
TDS																	
Total Dissolved Solids						196000			166000			124000					760000

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-106 Dup 6/18/2010	MW-107 5/6/2008	MW-107 9/10/2008	MW-107 6/18/2010	MW-108D 4/23/2008	MW-108D 9/5/2008	MW-108S 4/23/2008	MW-108S 9/5/2008	MW-108S 7/1/2010	MW-109D 5/20/2008	MW-109D 9/17/2008	MW-109S 5/20/2008	MW-109S 9/16/2008
1,4-Dioxane																	
1,4-Dioxane	6.4	32		0.67													
Cyanide																	
Cyanide, Free	200	200	200	730													
Cyanide, Total	200	200		730													
Cyanide, Free																	
Cyanide, Free	200	200	200	730		10 U	10 U		10 U	10 U	10 U	10 U		1.8 B J	2.3 B J	10 U	10 U
Cyanide, Total																	
Cyanide, Total	200	200		730		10 U	10 U		10 U	10 U	2.7 B	10 U		2.8 B J	10 U	2.6 B J	1.7 B
Other																	
Bromide																	
pH																	
Polychlorinated Biphenols																	
Arochlor-1016	2.6	7.2	0.5	0.96													
Arochlor-1221	0.33	1.3	0.5	0.0068													
Arochlor-1232	0.33	1.3	0.5	0.0068													
Arochlor-1242	0.33	1.3	0.5	0.034													
Arochlor-1248	0.33	1.3	0.5	0.034													
Arochlor-1254	0.33	1.3	0.5	0.034													
Arochlor-1260	0.33	1.3	0.5	0.034													
PCBs (Total)	0.5	0.5	0.5														
PCBs (Total)	0.5	0.5	0.5	0.17													
PCBs (Total)	0.5	0.5	0.5														
TDS																	
Total Dissolved Solids					890000			1170000					130000				

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-109S 6/21/2010	MW-110 5/14/2008	MW-110 9/22/2008	MW-110 6/21/2010	MW-111 5/16/2008	MW-111 9/15/2008	MW-111 6/29/2009	MW-111 6/30/2010	MW-112 5/1/2008	MW-112 9/3/2008	MW-112 6/23/2010	MW-113 10/25/2007	MW-113 5/15/2008	MW-113 9/3/2008
1,4-Dioxane																		
1,4-Dioxane	6.4	32		0.67														
Cyanide																		
Cyanide, Free	200	200	200	730														
Cyanide, Total	200	200		730														
Cyanide, Free																		
Cyanide, Free	200	200	200	730		10 U	2.8 B J		10 U	10 U	1.8 B J	10 U	10 U	10 U		10 U	10 U	10 U
Cyanide, Total																		
Cyanide, Total	200	200		730		3.2 B	10 U		1.7 B J	3.6 B J	10 U	10 U	10 U	10 U		10 U	10 U	10 U
Other																		
Bromide																		
pH																		
Polychlorinated Biphenols																		
Arochlor-1016	2.6	7.2	0.5	0.96														
Arochlor-1221	0.33	1.3	0.5	0.0068														
Arochlor-1232	0.33	1.3	0.5	0.0068														
Arochlor-1242	0.33	1.3	0.5	0.034														
Arochlor-1248	0.33	1.3	0.5	0.034														
Arochlor-1254	0.33	1.3	0.5	0.034														
Arochlor-1260	0.33	1.3	0.5	0.034														
PCBs (Total)	0.5	0.5	0.5															
PCBs (Total)	0.5	0.5	0.5	0.17														
PCBs (Total)	0.5	0.5	0.5															
TDS																		
Total Dissolved Solids					460000			311000				174000			1580000			

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-113 7/6/2010	MW-114 5/23/2008	MW-114 10/3/2008	MW-114 7/2/2010	MW-115 4/30/2008	MW-115 9/3/2008	MW-115 7/1/2010	MW-116 5/21/2008	MW-116 6/10/2008	MW-116 9/3/2008	MW-116 7/8/2009	MW-116 7/1/2010	MW-117 2/26/2009	MW-117 6/23/2009
1,4-Dioxane																		
1,4-Dioxane	6.4	32		0.67	45								22		5.6	8.7		1
Cyanide																		
Cyanide, Free	200	200	200	730														
Cyanide, Total	200	200		730														
Cyanide, Free																		
Cyanide, Free	200	200	200	730		10 U	10 U		5.5 B	10 U		10 U		10 U			4.6 B	26 J
Cyanide, Total																		
Cyanide, Total	200	200		730		1.9 B J	10 U		10 U	10 U		3.6 B J		10 U			110	31
Other																		
Bromide																		
pH																		
Polychlorinated Biphenols																		
Arochlor-1016	2.6	7.2	0.5	0.96														
Arochlor-1221	0.33	1.3	0.5	0.0068														
Arochlor-1232	0.33	1.3	0.5	0.0068														
Arochlor-1242	0.33	1.3	0.5	0.034														
Arochlor-1248	0.33	1.3	0.5	0.034														
Arochlor-1254	0.33	1.3	0.5	0.034														
Arochlor-1260	0.33	1.3	0.5	0.034														
PCBs (Total)	0.5	0.5	0.5															
PCBs (Total)	0.5	0.5	0.5	0.17														
PCBs (Total)	0.5	0.5	0.5															
TDS																		
Total Dissolved Solids					372000			625000			784000					1110000		

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-117 6/23/2010	MW-B101 6/16/2005	WPLSS-15 6/28/1991	WPLSS-2 6/28/1991	WPLSS-7 6/28/1991	WPLSS-8 6/28/1991	CW-1 5/27/1988	CW-1 11/14/1990	CW-1 11/15/1990	CW-1 12/5/1990	CW-1 1/14/1991	CW-1 2/7/1991	CW-1 3/6/1991
1,4-Dioxane																	
1,4-Dioxane	6.4	32		0.67													
Cyanide																	
Cyanide, Free	200	200	200	730		10 U											
Cyanide, Total	200	200		730		10 U											
Cyanide, Free																	
Cyanide, Free	200	200	200	730			13	U	U	U							
Cyanide, Total																	
Cyanide, Total	200	200		730			22	U	U	U							
Other																	
Bromide											2 U	2 U	2 U	2 U	2 U	2 U	2 U
pH																	
Polychlorinated Biphenols																	
Arochlor-1016	2.6	7.2	0.5	0.96													
Arochlor-1221	0.33	1.3	0.5	0.0068													
Arochlor-1232	0.33	1.3	0.5	0.0068													
Arochlor-1242	0.33	1.3	0.5	0.034													
Arochlor-1248	0.33	1.3	0.5	0.034													
Arochlor-1254	0.33	1.3	0.5	0.034													
Arochlor-1260	0.33	1.3	0.5	0.034													
PCBs (Total)	0.5	0.5	0.5														
PCBs (Total)	0.5	0.5	0.5	0.17													
PCBs (Total)	0.5	0.5	0.5														
TDS																	
Total Dissolved Solids					1330000												

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	CW-1 4/24/1991	CW-1 1/30/1992	CW-1 6/11/1992	CW-1 9/24/1992	CW-1 12/18/1992	CW-1 6/21/1993	CW-1 8/30/1993	CW-1 12/1/1993	CW-1 1/26/1994	CW-1 4/5/1994	CW-1 7/11/1994	CW-1 5/6/2008	CW-1 7/7/2010	CW-1A 6/9/1988
1,4-Dioxane																		
1,4-Dioxane	6.4	32		0.67														
Cyanide																		
Cyanide, Free	200	200	200	730														
Cyanide, Total	200	200		730														
Cyanide, Free																		
Cyanide, Free	200	200	200	730		5 U	5 U			10	5 U	10 U			5 U	10 U		
Cyanide, Total																		
Cyanide, Total	200	200		730		5 U	5 U			5 U	5 U	5 U			5 U	10 U		
Other																		
Bromide					2 U	2 U	2 U	2 U	2 U		2 U	2 U		2 U				2 U
pH													6.98 SU					
Polychlorinated Biphenols																		
Arochlor-1016	2.6	7.2	0.5	0.96														
Arochlor-1221	0.33	1.3	0.5	0.0068														
Arochlor-1232	0.33	1.3	0.5	0.0068														
Arochlor-1242	0.33	1.3	0.5	0.034														
Arochlor-1248	0.33	1.3	0.5	0.034														
Arochlor-1254	0.33	1.3	0.5	0.034														
Arochlor-1260	0.33	1.3	0.5	0.034														
PCBs (Total)	0.5	0.5	0.5															
PCBs (Total)	0.5	0.5	0.5	0.17														
PCBs (Total)	0.5	0.5	0.5															
TDS																		
Total Dissolved Solids																	129000	

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	CW-1A 11/13/1990	CW-1A 11/15/1990	CW-1A 12/5/1990	CW-1A 1/14/1991	CW-1A 2/7/1991	CW-1A 3/6/1991	CW-1A 4/24/1991	CW-1A 1/30/1992	CW-1A 6/11/1992	CW-1A 9/24/1992	CW-1A 12/18/1992	CW-1A 6/21/1993	CW-1A 8/30/1993
1,4-Dioxane																	
1,4-Dioxane	6.4	32		0.67													
Cyanide																	
Cyanide, Free	200	200	200	730													
Cyanide, Total	200	200		730													
Cyanide, Free																	
Cyanide, Free	200	200	200	730								5 U	5 U			10 U	5 U
Cyanide, Total																	
Cyanide, Total	200	200		730								5 U	5 U			5 U	5 U
Other																	
Bromide					2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U		2 U
pH																	
Polychlorinated Biphenols																	
Arochlor-1016	2.6	7.2	0.5	0.96													
Arochlor-1221	0.33	1.3	0.5	0.0068													
Arochlor-1232	0.33	1.3	0.5	0.0068													
Arochlor-1242	0.33	1.3	0.5	0.034													
Arochlor-1248	0.33	1.3	0.5	0.034													
Arochlor-1254	0.33	1.3	0.5	0.034													
Arochlor-1260	0.33	1.3	0.5	0.034													
PCBs (Total)	0.5	0.5	0.5														
PCBs (Total)	0.5	0.5	0.5	0.17													
PCBs (Total)	0.5	0.5	0.5														
TDS																	
Total Dissolved Solids																	

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	CW-1A 12/1/1993	CW-1A 1/26/1994	CW-1A 4/5/1994	CW-1A 7/11/1994	CW-1A 5/7/2008	CW-1A 7/7/2010	CW-2 6/2/1988	CW-2 11/14/1990	CW-2 11/15/1990	CW-2 12/5/1990	CW-2 1/14/1991	CW-2 2/7/1991	CW-2 3/6/1991	CW-2 4/24/1991
1,4-Dioxane																		
1,4-Dioxane	6.4	32		0.67														
Cyanide																		
Cyanide, Free	200	200	200	730														
Cyanide, Total	200	200		730														
Cyanide, Free																		
Cyanide, Free	200	200	200	730	10 U			5 U	10 U									
Cyanide, Total																		
Cyanide, Total	200	200		730	5 U			5 U	10 U									
Other																		
Bromide					2 U		2 U				2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
pH						5.53 SU												
Polychlorinated Biphenols																		
Arochlor-1016	2.6	7.2	0.5	0.96														
Arochlor-1221	0.33	1.3	0.5	0.0068														
Arochlor-1232	0.33	1.3	0.5	0.0068														
Arochlor-1242	0.33	1.3	0.5	0.034														
Arochlor-1248	0.33	1.3	0.5	0.034														
Arochlor-1254	0.33	1.3	0.5	0.034														
Arochlor-1260	0.33	1.3	0.5	0.034														
PCBs (Total)	0.5	0.5	0.5															
PCBs (Total)	0.5	0.5	0.5	0.17														
PCBs (Total)	0.5	0.5	0.5															
TDS																		
Total Dissolved Solids										183000								

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	CW-2 1/30/1992	CW-2 6/11/1992	CW-2 9/24/1992	CW-2 12/18/1992	CW-2 6/21/1993	CW-2 8/30/1993	CW-2 12/1/1993	CW-2 1/26/1994	CW-2 4/5/1994	CW-2 7/11/1994	CW-2 5/13/2008	CW-2 7/7/2010
1,4-Dioxane																
1,4-Dioxane	6.4	32		0.67												
Cyanide																
Cyanide, Free	200	200	200	730												
Cyanide, Total	200	200		730												
Cyanide, Free																
Cyanide, Free	200	200	200	730	5 U	5 U			10 U	5 U	10 U			5 U	2.8 B J	
Cyanide, Total																
Cyanide, Total	200	200		730	5 U	5 U			5 U	5 U	5 U			5 U	10 U	
Other																
Bromide					2 U	2 U	2 U	2 U	1 U	2 U	2 U		2 U			
pH												6.76 SU				
Polychlorinated Biphenols																
Arochlor-1016	2.6	7.2	0.5	0.96												
Arochlor-1221	0.33	1.3	0.5	0.0068												
Arochlor-1232	0.33	1.3	0.5	0.0068												
Arochlor-1242	0.33	1.3	0.5	0.034												
Arochlor-1248	0.33	1.3	0.5	0.034												
Arochlor-1254	0.33	1.3	0.5	0.034												
Arochlor-1260	0.33	1.3	0.5	0.034												
PCBs (Total)	0.5	0.5	0.5													
PCBs (Total)	0.5	0.5	0.5	0.17												
PCBs (Total)	0.5	0.5	0.5													
TDS																
Total Dissolved Solids																154000

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	CW-3 5/27/1987	CW-3 6/3/1988	CW-3 11/13/1990	CW-3 11/15/1990	CW-3 12/5/1990	CW-3 1/14/1991	CW-3 2/7/1991	CW-3 3/6/1991	CW-3 4/24/1991	CW-3 1/30/1992	CW-3 6/11/1992	CW-3 9/24/1992	CW-3 12/18/1992
1,4-Dioxane																	
1,4-Dioxane	6.4	32		0.67													
Alkalinity																	
ALKALINITY, TOTAL																	
Anions																	
Chloride		250000															
Nitrate As N	10000	10000	10000	58000													
Orthophosphate As P																	
Sulfate																	
Conductivity																	
Specific Conductance																	
Cyanide																	
Cyanide, Free	200	200	200	730													
Cyanide, Total	200	200		730													
Cyanide, Free																	
Cyanide, Free	200	200	200	730	5 U									5 U	5 U		
Cyanide, Total																	
Cyanide, Total	200	200		730	5 U									5 U	5 U		
Hardness																	
Hardness, As CaCO3																	
Other																	
ALKALINITY, BICARBONATE																	
ALKALINITY, TOTAL																	
Bromide					2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Carbonate																	
Chloride		250000															
Dissolved Oxygen																	
Fluoride	4000	4000		1500													
Hardness, As CaCO3																	
pH																	
Silica																	
Specific Conductance																	
Sulfate																	
Total Dissolved Solids																	
Total Suspended Solids																	
Turbidity																	
Polychlorinated Biphenols																	
Arochlor-1016	2.6	7.2	0.5	0.96													
Arochlor-1221	0.33	1.3	0.5	0.0068													
Arochlor-1232	0.33	1.3	0.5	0.0068													
Arochlor-1242	0.33	1.3	0.5	0.034													
Arochlor-1248	0.33	1.3	0.5	0.034													
Arochlor-1254	0.33	1.3	0.5	0.034													
Arochlor-1260	0.33	1.3	0.5	0.034													
PCBs (Total)	0.5	0.5	0.5														
PCBs (Total)	0.5	0.5	0.5	0.17													

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	CW-3 5/27/1987	CW-3 6/3/1988	CW-3 11/13/1990	CW-3 11/15/1990	CW-3 12/5/1990	CW-3 1/14/1991	CW-3 2/7/1991	CW-3 3/6/1991	CW-3 4/24/1991	CW-3 1/30/1992	CW-3 6/11/1992	CW-3 9/24/1992	CW-3 12/18/1992
PCBs (Total)	0.5	0.5	0.5														
pH																	
pH																	
TDS																	
Total Dissolved Solids																	
Total Organic Carbons																	
Total Organic Carbon																	
Petroleum Hydrocarbons																	
Petroleum Hydrocarbons (TPH)																	

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	CW-3 6/21/1993	CW-3 8/30/1993	CW-3 12/1/1993	CW-3 1/26/1994	CW-3 4/5/1994	CW-3 7/11/1994	CW-3 5/6/2008	CW-3 7/7/2010	CW-3 Dup 7/7/2010	CW-4 6/3/1988	CW-4 11/13/1990	CW-4 11/15/1990	CW-4 12/5/1990
1,4-Dioxane																	
1,4-Dioxane	6.4	32		0.67													
Alkalinity																	
ALKALINITY, TOTAL																	
Anions																	
Chloride		250000															
Nitrate As N	10000	10000	10000	58000													
Orthophosphate As P																	
Sulfate																	
Conductivity																	
Specific Conductance																	
Cyanide																	
Cyanide, Free	200	200	200	730													
Cyanide, Total	200	200		730													
Cyanide, Free																	
Cyanide, Free	200	200	200	730	10 U	5 U	10 U			5 U	10 U						
Cyanide, Total																	
Cyanide, Total	200	200		730	5 U	5 U	8 U			5 U	10 U						
Hardness																	
Hardness, As CaCO3																	
Other																	
ALKALINITY, BICARBONATE																	
ALKALINITY, TOTAL																	
Bromide					2 U	2 U	2 U		2 U					2 U	2 U	2 U	2 U
Carbonate																	
Chloride		250000															
Dissolved Oxygen																	
Fluoride	4000	4000		1500													
Hardness, As CaCO3																	
pH								6.58 SU									
Silica																	
Specific Conductance																	
Sulfate																	
Total Dissolved Solids																	
Total Suspended Solids																	
Turbidity																	
Polychlorinated Biphenols																	
Arochlor-1016	2.6	7.2	0.5	0.96													
Arochlor-1221	0.33	1.3	0.5	0.0068													
Arochlor-1232	0.33	1.3	0.5	0.0068													
Arochlor-1242	0.33	1.3	0.5	0.034													
Arochlor-1248	0.33	1.3	0.5	0.034													
Arochlor-1254	0.33	1.3	0.5	0.034													
Arochlor-1260	0.33	1.3	0.5	0.034													
PCBs (Total)	0.5	0.5	0.5														
PCBs (Total)	0.5	0.5	0.5	0.17													

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	CW-3 6/21/1993	CW-3 8/30/1993	CW-3 12/1/1993	CW-3 1/26/1994	CW-3 4/5/1994	CW-3 7/11/1994	CW-3 5/6/2008	CW-3 7/7/2010	CW-3 Dup 7/7/2010	CW-4 6/3/1988	CW-4 11/13/1990	CW-4 11/15/1990	CW-4 12/5/1990
PCBs (Total)	0.5	0.5	0.5														
pH																	
pH																	
TDS																	
Total Dissolved Solids												170000	172000				
Total Organic Carbons																	
Total Organic Carbon																	
Petroleum Hydrocarbons																	
Petroleum Hydrocarbons (TPH)																	

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	CW-4 1/14/1991	CW-4 2/7/1991	CW-4 3/6/1991	CW-4 4/24/1991	CW-4 1/30/1992	CW-4 6/11/1992	CW-4 9/24/1992	CW-4 12/18/1992	CW-4 6/21/1993	CW-4 8/30/1993	CW-4 12/1/1993	CW-4 1/26/1994	CW-4 4/5/1994
1,4-Dioxane																	
1,4-Dioxane	6.4	32		0.67													
Alkalinity																	
ALKALINITY, TOTAL																	
Anions																	
Chloride		250000															
Nitrate As N	10000	10000	10000	58000													
Orthophosphate As P																	
Sulfate																	
Conductivity																	
Specific Conductance																	
Cyanide																	
Cyanide, Free	200	200	200	730													
Cyanide, Total	200	200		730													
Cyanide, Free																	
Cyanide, Free	200	200	200	730					5 U				10 U	5 U	10 U		
Cyanide, Total																	
Cyanide, Total	200	200		730					5 U	5 U			5 U	5 U	8 U		
Hardness																	
Hardness, As CaCO3																	
Other																	
ALKALINITY, BICARBONATE																	
ALKALINITY, TOTAL																	
Bromide					2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U		2 U
Carbonate																	
Chloride		250000															
Dissolved Oxygen																	
Fluoride	4000	4000		1500													
Hardness, As CaCO3																	
pH																6.94 SU	
Silica																	
Specific Conductance																	
Sulfate																	
Total Dissolved Solids																	
Total Suspended Solids																	
Turbidity																	
Polychlorinated Biphenols																	
Arochlor-1016	2.6	7.2	0.5	0.96													
Arochlor-1221	0.33	1.3	0.5	0.0068													
Arochlor-1232	0.33	1.3	0.5	0.0068													
Arochlor-1242	0.33	1.3	0.5	0.034													
Arochlor-1248	0.33	1.3	0.5	0.034													
Arochlor-1254	0.33	1.3	0.5	0.034													
Arochlor-1260	0.33	1.3	0.5	0.034													
PCBs (Total)	0.5	0.5	0.5														
PCBs (Total)	0.5	0.5	0.5	0.17													

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	CW-4 1/14/1991	CW-4 2/7/1991	CW-4 3/6/1991	CW-4 4/24/1991	CW-4 1/30/1992	CW-4 6/11/1992	CW-4 9/24/1992	CW-4 12/18/1992	CW-4 6/21/1993	CW-4 8/30/1993	CW-4 12/1/1993	CW-4 1/26/1994	CW-4 4/5/1994
PCBs (Total)	0.5	0.5	0.5														
pH																	
pH																	
TDS																	
Total Dissolved Solids																	
Total Organic Carbons																	
Total Organic Carbon																	
Petroleum Hydrocarbons																	
Petroleum Hydrocarbons (TPH)																	

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	CW-4 7/11/1994	CW-4 5/6/2008	CW-4 7/7/2010	CW-5 6/10/1988	CW-5 11/13/1990	CW-5 11/15/1990	CW-5 12/5/1990	CW-5 1/14/1991	CW-5 2/7/1991	CW-5 3/6/1991	CW-5 4/24/1991	CW-5 1/30/1992	CW-5 6/11/1992
1,4-Dioxane																	
1,4-Dioxane	6.4	32		0.67													
Alkalinity																	
ALKALINITY, TOTAL																	
Anions																	
Chloride		250000															
Nitrate As N	10000	10000	10000	58000													
Orthophosphate As P																	
Sulfate																	
Conductivity																	
Specific Conductance																	
Cyanide																	
Cyanide, Free	200	200	200	730													
Cyanide, Total	200	200		730													
Cyanide, Free																	
Cyanide, Free	200	200	200	730	5 U	10 U										5 U	5 U
Cyanide, Total																	
Cyanide, Total	200	200		730	5 U	10 U										5 U	5 U
Hardness																	
Hardness, As CaCO3																	
Other																	
ALKALINITY, BICARBONATE																	
ALKALINITY, TOTAL																	
Bromide								2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Carbonate																	
Chloride		250000															
Dissolved Oxygen																	
Fluoride	4000	4000		1500													
Hardness, As CaCO3																	
pH																	
Silica																	
Specific Conductance																	
Sulfate																	
Total Dissolved Solids																	
Total Suspended Solids																	
Turbidity																	
Polychlorinated Biphenols																	
Arochlor-1016	2.6	7.2	0.5	0.96													
Arochlor-1221	0.33	1.3	0.5	0.0068													
Arochlor-1232	0.33	1.3	0.5	0.0068													
Arochlor-1242	0.33	1.3	0.5	0.034													
Arochlor-1248	0.33	1.3	0.5	0.034													
Arochlor-1254	0.33	1.3	0.5	0.034													
Arochlor-1260	0.33	1.3	0.5	0.034													
PCBs (Total)	0.5	0.5	0.5														
PCBs (Total)	0.5	0.5	0.5	0.17													

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	CW-4 7/11/1994	CW-4 5/6/2008	CW-4 7/7/2010	CW-5 6/10/1988	CW-5 11/13/1990	CW-5 11/15/1990	CW-5 12/5/1990	CW-5 1/14/1991	CW-5 2/7/1991	CW-5 3/6/1991	CW-5 4/24/1991	CW-5 1/30/1992	CW-5 6/11/1992
PCBs (Total)	0.5	0.5	0.5														
pH																	
pH																	
TDS																	
Total Dissolved Solids							196000										
Total Organic Carbons																	
Total Organic Carbon																	
Petroleum Hydrocarbons																	
Petroleum Hydrocarbons (TPH)																	

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	CW-5 9/24/1992	CW-5 12/18/1992	CW-5 6/21/1993	CW-5 8/30/1993	CW-5 12/1/1993	CW-5 1/26/1994	CW-5 4/5/1994	CW-5 7/11/1994	CW-5 5/6/2008	CW-5 7/7/2010	CW-6 8/2/1989	CW-6 11/13/1990	CW-6 11/15/1990
1,4-Dioxane																	
1,4-Dioxane	6.4	32		0.67													
Alkalinity																	
ALKALINITY, TOTAL																	
Anions																	
Chloride		250000															
Nitrate As N	10000	10000	10000	58000													
Orthophosphate As P																	
Sulfate																	
Conductivity																	
Specific Conductance																	
Cyanide																	
Cyanide, Free	200	200	200	730													
Cyanide, Total	200	200		730													
Cyanide, Free																	
Cyanide, Free	200	200	200	730			10 U	5 U	10 U			5 U	10 U				
Cyanide, Total																	
Cyanide, Total	200	200		730			5 U	5 U	5 U			5 U	10 U				
Hardness																	
Hardness, As CaCO3																	
Other																	
ALKALINITY, BICARBONATE																	
ALKALINITY, TOTAL																	
Bromide					2 U	2 U	1 U	2 U	2 U		2 U				2 U	2 U	2 U
Carbonate																	
Chloride		250000															
Dissolved Oxygen																	
Fluoride	4000	4000		1500													
Hardness, As CaCO3																	
pH										6.83 SU							
Silica																	
Specific Conductance																	
Sulfate																	
Total Dissolved Solids																	
Total Suspended Solids																	
Turbidity																	
Polychlorinated Biphenols																	
Arochlor-1016	2.6	7.2	0.5	0.96													
Arochlor-1221	0.33	1.3	0.5	0.0068													
Arochlor-1232	0.33	1.3	0.5	0.0068													
Arochlor-1242	0.33	1.3	0.5	0.034													
Arochlor-1248	0.33	1.3	0.5	0.034													
Arochlor-1254	0.33	1.3	0.5	0.034													
Arochlor-1260	0.33	1.3	0.5	0.034													
PCBs (Total)	0.5	0.5	0.5														
PCBs (Total)	0.5	0.5	0.5	0.17													

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	CW-5 9/24/1992	CW-5 12/18/1992	CW-5 6/21/1993	CW-5 8/30/1993	CW-5 12/1/1993	CW-5 1/26/1994	CW-5 4/5/1994	CW-5 7/11/1994	CW-5 5/6/2008	CW-5 7/7/2010	CW-6 8/2/1989	CW-6 11/13/1990	CW-6 11/15/1990
PCBs (Total)	0.5	0.5	0.5														
pH																	
pH																	
TDS																	
Total Dissolved Solids														255000			
Total Organic Carbons																	
Total Organic Carbon																	
Petroleum Hydrocarbons																	
Petroleum Hydrocarbons (TPH)																	

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	CW-6 12/5/1990	CW-6 1/14/1991	CW-6 2/7/1991	CW-6 3/6/1991	CW-6 4/24/1991	CW-6 1/30/1992	CW-6 6/11/1992	CW-6 9/24/1992	CW-6 8/30/1993	CW-6 12/1/1993	CW-6 1/26/1994	CW-6 4/5/1994	CW-6 7/11/1994
1,4-Dioxane																	
1,4-Dioxane	6.4	32		0.67													
Alkalinity																	
ALKALINITY, TOTAL																	
Anions																	
Chloride		250000															
Nitrate As N	10000	10000	10000	58000													
Orthophosphate As P																	
Sulfate																	
Conductivity																	
Specific Conductance																	
Cyanide																	
Cyanide, Free	200	200	200	730													
Cyanide, Total	200	200		730													
Cyanide, Free																	
Cyanide, Free	200	200	200	730						5 U	5 U		5 U	10 U			5 U
Cyanide, Total																	
Cyanide, Total	200	200		730						5 U	5 U		5 U	5 U			5 U
Hardness																	
Hardness, As CaCO3																	
Other																	
ALKALINITY, BICARBONATE																	
ALKALINITY, TOTAL																	
Bromide					2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U		1 U	
Carbonate																	
Chloride		250000															
Dissolved Oxygen																	
Fluoride	4000	4000		1500													
Hardness, As CaCO3																	
pH															6.94 SU		
Silica																	
Specific Conductance																	
Sulfate																	
Total Dissolved Solids																	
Total Suspended Solids																	
Turbidity																	
Polychlorinated Biphenols																	
Arochlor-1016	2.6	7.2	0.5	0.96													
Arochlor-1221	0.33	1.3	0.5	0.0068													
Arochlor-1232	0.33	1.3	0.5	0.0068													
Arochlor-1242	0.33	1.3	0.5	0.034													
Arochlor-1248	0.33	1.3	0.5	0.034													
Arochlor-1254	0.33	1.3	0.5	0.034													
Arochlor-1260	0.33	1.3	0.5	0.034													
PCBs (Total)	0.5	0.5	0.5														
PCBs (Total)	0.5	0.5	0.5	0.17													

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	CW-6 12/5/1990	CW-6 1/14/1991	CW-6 2/7/1991	CW-6 3/6/1991	CW-6 4/24/1991	CW-6 1/30/1992	CW-6 6/11/1992	CW-6 9/24/1992	CW-6 8/30/1993	CW-6 12/1/1993	CW-6 1/26/1994	CW-6 4/5/1994	CW-6 7/11/1994
PCBs (Total)	0.5	0.5	0.5														
pH																	
pH																	
TDS																	
Total Dissolved Solids																	
Total Organic Carbons																	
Total Organic Carbon																	
Petroleum Hydrocarbons																	
Petroleum Hydrocarbons (TPH)																	

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	CW-6 5/6/2008	CW-6 7/7/2010	CW-7 8/1/1989	CW-7 11/14/1990	CW-7 11/15/1990	CW-7 12/5/1990	CW-7 1/14/1991	CW-7 2/7/1991	CW-7 3/6/1991	CW-7 4/24/1991	CW-7 1/30/1992	CW-7 6/11/1992	CW-7 9/24/1992
1,4-Dioxane																	
1,4-Dioxane	6.4	32		0.67													
Alkalinity																	
ALKALINITY, TOTAL																	
Anions																	
Chloride		250000															
Nitrate As N	10000	10000	10000	58000													
Orthophosphate As P																	
Sulfate																	
Conductivity																	
Specific Conductance																	
Cyanide																	
Cyanide, Free	200	200	200	730													
Cyanide, Total	200	200		730													
Cyanide, Free																	
Cyanide, Free	200	200	200	730	10 U										5 U	5 U	
Cyanide, Total																	
Cyanide, Total	200	200		730	10 U										5 U	5 U	
Hardness																	
Hardness, As CaCO3																	
Other																	
ALKALINITY, BICARBONATE																	
ALKALINITY, TOTAL																	
Bromide							2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Carbonate																	
Chloride		250000															
Dissolved Oxygen																	
Fluoride	4000	4000		1500													
Hardness, As CaCO3																	
pH																	
Silica																	
Specific Conductance																	
Sulfate																	
Total Dissolved Solids																	
Total Suspended Solids																	
Turbidity																	
Polychlorinated Biphenols																	
Arochlor-1016	2.6	7.2	0.5	0.96													
Arochlor-1221	0.33	1.3	0.5	0.0068													
Arochlor-1232	0.33	1.3	0.5	0.0068													
Arochlor-1242	0.33	1.3	0.5	0.034													
Arochlor-1248	0.33	1.3	0.5	0.034													
Arochlor-1254	0.33	1.3	0.5	0.034													
Arochlor-1260	0.33	1.3	0.5	0.034													
PCBs (Total)	0.5	0.5	0.5														
PCBs (Total)	0.5	0.5	0.5	0.17													

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	CW-6 5/6/2008	CW-6 7/7/2010	CW-7 8/1/1989	CW-7 11/14/1990	CW-7 11/15/1990	CW-7 12/5/1990	CW-7 1/14/1991	CW-7 2/7/1991	CW-7 3/6/1991	CW-7 4/24/1991	CW-7 1/30/1992	CW-7 6/11/1992	CW-7 9/24/1992
PCBs (Total)	0.5	0.5	0.5														
pH																	
pH																	
TDS																	
Total Dissolved Solids						213000											
Total Organic Carbons																	
Total Organic Carbon																	
Petroleum Hydrocarbons																	
Petroleum Hydrocarbons (TPH)																	

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	CW-7 12/18/1992	CW-7 6/21/1993	CW-7 8/30/1993	CW-7 12/1/1993	CW-7 1/26/1994	CW-7 4/5/1994	CW-7 7/11/1994	CW-7 5/6/2008	CW-7 9/11/2008	CW-7 7/7/2010	CW-7A 8/3/1989	CW-7A 11/13/1990	CW-7A 11/15/1990
1,4-Dioxane																	
1,4-Dioxane	6.4	32		0.67													
Alkalinity																	
ALKALINITY, TOTAL																	
Anions																	
Chloride		250000															
Nitrate As N	10000	10000	10000	58000													
Orthophosphate As P																	
Sulfate																	
Conductivity																	
Specific Conductance																	
Cyanide																	
Cyanide, Free	200	200	200	730													
Cyanide, Total	200	200		730													
Cyanide, Free																	
Cyanide, Free	200	200	200	730		10 U	5 U	10 U			5 U	10 U	1.6 B J		50 U		
Cyanide, Total																	
Cyanide, Total	200	200		730		5 U	5 U	5 U			5 U	10 U	10 U		5 U		
Hardness																	
Hardness, As CaCO3																	
Other																	
ALKALINITY, BICARBONATE																	
ALKALINITY, TOTAL																	
Bromide					2 U		2 U	2 U		2 U					10 U	2 U	2 U
Carbonate																	
Chloride		250000															
Dissolved Oxygen																	
Fluoride	4000	4000		1500													
Hardness, As CaCO3																	
pH									6.94 SU								
Silica																	
Specific Conductance																	
Sulfate																	
Total Dissolved Solids																	
Total Suspended Solids																	
Turbidity																	
Polychlorinated Biphenols																	
Arochlor-1016	2.6	7.2	0.5	0.96													
Arochlor-1221	0.33	1.3	0.5	0.0068													
Arochlor-1232	0.33	1.3	0.5	0.0068													
Arochlor-1242	0.33	1.3	0.5	0.034													
Arochlor-1248	0.33	1.3	0.5	0.034													
Arochlor-1254	0.33	1.3	0.5	0.034													
Arochlor-1260	0.33	1.3	0.5	0.034													
PCBs (Total)	0.5	0.5	0.5														
PCBs (Total)	0.5	0.5	0.5	0.17													

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	CW-7 12/18/1992	CW-7 6/21/1993	CW-7 8/30/1993	CW-7 12/1/1993	CW-7 1/26/1994	CW-7 4/5/1994	CW-7 7/11/1994	CW-7 5/6/2008	CW-7 9/11/2008	CW-7 7/7/2010	CW-7A 8/3/1989	CW-7A 11/13/1990	CW-7A 11/15/1990
PCBs (Total)	0.5	0.5	0.5														
pH																	
pH																	
TDS																	
Total Dissolved Solids														81000			
Total Organic Carbons																	
Total Organic Carbon																	
Petroleum Hydrocarbons																	
Petroleum Hydrocarbons (TPH)																	

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	CW-7A 12/5/1990	CW-7A 1/14/1991	CW-7A 2/7/1991	CW-7A 3/6/1991	CW-7A 4/24/1991	CW-7A 1/30/1992	CW-7A 6/11/1992	CW-7A 9/24/1992	CW-7A 12/18/1992	CW-7A 6/21/1993	CW-7A 8/30/1993	CW-7A 12/1/1993	CW-7A 1/26/1994
1,4-Dioxane																	
1,4-Dioxane	6.4	32		0.67													
Alkalinity																	
ALKALINITY, TOTAL																	
Anions																	
Chloride		250000															
Nitrate As N	10000	10000	10000	58000													
Orthophosphate As P																	
Sulfate																	
Conductivity																	
Specific Conductance																	
Cyanide																	
Cyanide, Free	200	200	200	730													
Cyanide, Total	200	200		730													
Cyanide, Free																	
Cyanide, Free	200	200	200	730						5 U	5 U			10 U	5 U	10 U	
Cyanide, Total																	
Cyanide, Total	200	200		730						5 U	5 U			5 U	5 U	5 U	
Hardness																	
Hardness, As CaCO3																	
Other																	
ALKALINITY, BICARBONATE																	
ALKALINITY, TOTAL																	
Bromide					2 U	2 U	2 U	2 U	2 U	2 U	2 U	10 U	10 U		10 U	10 U	
Carbonate																	
Chloride		250000															
Dissolved Oxygen																	
Fluoride	4000	4000		1500													
Hardness, As CaCO3																	U
pH																	5.33 SU
Silica																	
Specific Conductance																	
Sulfate																	
Total Dissolved Solids																	U
Total Suspended Solids																	
Turbidity																	
Polychlorinated Biphenols																	
Arochlor-1016	2.6	7.2	0.5	0.96													
Arochlor-1221	0.33	1.3	0.5	0.0068													
Arochlor-1232	0.33	1.3	0.5	0.0068													
Arochlor-1242	0.33	1.3	0.5	0.034													
Arochlor-1248	0.33	1.3	0.5	0.034													
Arochlor-1254	0.33	1.3	0.5	0.034													
Arochlor-1260	0.33	1.3	0.5	0.034													
PCBs (Total)	0.5	0.5	0.5														
PCBs (Total)	0.5	0.5	0.5	0.17													

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	CW-7A 12/5/1990	CW-7A 1/14/1991	CW-7A 2/7/1991	CW-7A 3/6/1991	CW-7A 4/24/1991	CW-7A 1/30/1992	CW-7A 6/11/1992	CW-7A 9/24/1992	CW-7A 12/18/1992	CW-7A 6/21/1993	CW-7A 8/30/1993	CW-7A 12/1/1993	CW-7A 1/26/1994
PCBs (Total)	0.5	0.5	0.5														
pH																	
pH																	
TDS																	
Total Dissolved Solids																	
Total Organic Carbons																	
Total Organic Carbon																	
Petroleum Hydrocarbons																	
Petroleum Hydrocarbons (TPH)																	

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	CW-7A 4/5/1994	CW-7A 7/11/1994	CW-7A 5/6/2008	CW-7A 7/7/2010	CW-8 1/11/1990	CW-8 11/12/1990	CW-8 11/15/1990	CW-8 12/5/1990	CW-8 1/14/1991	CW-8 2/7/1991	CW-8 3/6/1991	CW-8 4/24/1991	CW-8 1/29/1992
1,4-Dioxane																	
1,4-Dioxane	6.4	32		0.67													
Alkalinity																	
ALKALINITY, TOTAL																	
Anions																	
Chloride		250000															
Nitrate As N	10000	10000	10000	58000													
Orthophosphate As P																	
Sulfate																	
Conductivity																	
Specific Conductance																	
Cyanide																	
Cyanide, Free	200	200	200	730													
Cyanide, Total	200	200		730													
Cyanide, Free																	
Cyanide, Free	200	200	200	730		5 U	10 U										5 U
Cyanide, Total																	
Cyanide, Total	200	200		730		5 U	10 U										5 U
Hardness																	
Hardness, As CaCO3																	
Other																	
ALKALINITY, BICARBONATE																	
ALKALINITY, TOTAL																	
Bromide					10 U					50 U	50 U	10 U	20 U	20 U	10 U	10 U	5 U
Carbonate																	
Chloride		250000															
Dissolved Oxygen																	
Fluoride	4000	4000		1500													
Hardness, As CaCO3																	
pH									7.53 SU								
Silica																	
Specific Conductance																	
Sulfate																	
Total Dissolved Solids																	
Total Suspended Solids																	
Turbidity																	
Polychlorinated Biphenols																	
Arochlor-1016	2.6	7.2	0.5	0.96													
Arochlor-1221	0.33	1.3	0.5	0.0068													
Arochlor-1232	0.33	1.3	0.5	0.0068													
Arochlor-1242	0.33	1.3	0.5	0.034													
Arochlor-1248	0.33	1.3	0.5	0.034													
Arochlor-1254	0.33	1.3	0.5	0.034													
Arochlor-1260	0.33	1.3	0.5	0.034													
PCBs (Total)	0.5	0.5	0.5														
PCBs (Total)	0.5	0.5	0.5	0.17													

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	CW-7A 4/5/1994	CW-7A 7/11/1994	CW-7A 5/6/2008	CW-7A 7/7/2010	CW-8 1/11/1990	CW-8 11/12/1990	CW-8 11/15/1990	CW-8 12/5/1990	CW-8 1/14/1991	CW-8 2/7/1991	CW-8 3/6/1991	CW-8 4/24/1991	CW-8 1/29/1992
PCBs (Total)	0.5	0.5	0.5														
pH																	
pH																	
TDS																	
Total Dissolved Solids								151000									
Total Organic Carbons																	
Total Organic Carbon																	
Petroleum Hydrocarbons																	
Petroleum Hydrocarbons (TPH)																	

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	CW-8 6/11/1992	CW-8 9/24/1992	CW-8 12/18/1992	CW-8 6/21/1993	CW-8 8/30/1993	CW-8 12/1/1993	CW-8 1/26/1994	CW-8 4/5/1994	CW-8 7/11/1994	CW-8 6/20/2006	CW-8 5/6/2008	CW-8 9/11/2008
1,4-Dioxane																
1,4-Dioxane	6.4	32		0.67											5.9	3.8
Alkalinity																
ALKALINITY, TOTAL														208000		
Anions																
Chloride		250000												88000		
Nitrate As N	10000	10000	10000	58000										6000		
Orthophosphate As P														500 U		
Sulfate														14900		
Conductivity																
Specific Conductance														688 umhos/cm		
Cyanide																
Cyanide, Free	200	200	200	730												
Cyanide, Total	200	200		730												
Cyanide, Free																
Cyanide, Free	200	200	200	730	5 U			10 U	5 U	10 U	10 U		5 U		10 U	1.8 B J
Cyanide, Total																
Cyanide, Total	200	200		730	5 U			5 U	5 U	5 U	5 U		5 U		10 U	10 U
Hardness																
Hardness, As CaCO3														292000		
Other																
ALKALINITY, BICARBONATE																
ALKALINITY, TOTAL																
Bromide					10 U	10 U	5 U		2 U	2 U	10 U	10 U				
Carbonate																
Chloride		250000														
Dissolved Oxygen																
Fluoride	4000	4000		1500												
Hardness, As CaCO3																
pH																
Silica																
Specific Conductance																
Sulfate																
Total Dissolved Solids																
Total Suspended Solids																
Turbidity																
Polychlorinated Biphenols																
Arochlor-1016	2.6	7.2	0.5	0.96												
Arochlor-1221	0.33	1.3	0.5	0.0068												
Arochlor-1232	0.33	1.3	0.5	0.0068												
Arochlor-1242	0.33	1.3	0.5	0.034												
Arochlor-1248	0.33	1.3	0.5	0.034												
Arochlor-1254	0.33	1.3	0.5	0.034												
Arochlor-1260	0.33	1.3	0.5	0.034												
PCBs (Total)	0.5	0.5	0.5													
PCBs (Total)	0.5	0.5	0.5	0.17												

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	CW-8 6/11/1992	CW-8 9/24/1992	CW-8 12/18/1992	CW-8 6/21/1993	CW-8 8/30/1993	CW-8 12/1/1993	CW-8 1/26/1994	CW-8 4/5/1994	CW-8 7/11/1994	CW-8 6/20/2006	CW-8 5/6/2008	CW-8 9/11/2008
PCBs (Total)	0.5	0.5	0.5													
pH																
pH														7.4 SU		
TDS																
Total Dissolved Solids														414000		
Total Organic Carbons																
Total Organic Carbon														490 B		
Petroleum Hydrocarbons																
Petroleum Hydrocarbons (TPH)																

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	CW-8 1/13/2010	CW-8 12/21/2010	CW-9 2/19/1990	CW-9 2/28/1990	CW-9 5/24/1994	CW-9 7/11/1994	CW-9 4/16/2004	CW-9 5/6/2008	CW-9 9/11/2008	CW-9 7/7/2010	CW-10 4/12/1990	CW-10 4/25/1990	CW-10 6/24/1993
1,4-Dioxane																	
1,4-Dioxane	6.4	32		0.67	3.6	5.6											
Alkalinity																	
ALKALINITY, TOTAL																	
Anions																	
Chloride		250000															
Nitrate As N	10000	10000	10000	58000													
Orthophosphate As P																	
Sulfate																	
Conductivity																	
Specific Conductance																	
Cyanide																	
Cyanide, Free	200	200	200	730													
Cyanide, Total	200	200		730							5 U						
Cyanide, Free																	
Cyanide, Free	200	200	200	730			50 U	5 U	5 U	5 U		10 U	2.6 B J		5 U	5 U	10
Cyanide, Total																	
Cyanide, Total	200	200		730			5 U	5 U	5 U	5 U		4.9 B	10 U		5 U	5 U	5 U
Hardness																	
Hardness, As CaCO3																	
Other																	
ALKALINITY, BICARBONATE																	
ALKALINITY, TOTAL								200000		180000						53000	
Bromide															1 U	1 U	
Carbonate																	
Chloride		250000															
Dissolved Oxygen								7600								6800	
Fluoride	4000	4000		1500													
Hardness, As CaCO3								250000		240000						68000	87000
pH								7.34 SU		7.54 SU						7.04 SU	
Silica																	
Specific Conductance																	
Sulfate																	
Total Dissolved Solids								310000		320000						88000	90000
Total Suspended Solids								5000 U		5000 U						5000 U	
Turbidity										0.3 N.T.U.							
Polychlorinated Biphenols																	
Arochlor-1016	2.6	7.2	0.5	0.96							0.5 U						
Arochlor-1221	0.33	1.3	0.5	0.0068							0.5 U						
Arochlor-1232	0.33	1.3	0.5	0.0068							0.5 U						
Arochlor-1242	0.33	1.3	0.5	0.034							0.5 U						
Arochlor-1248	0.33	1.3	0.5	0.034							0.5 U						
Arochlor-1254	0.33	1.3	0.5	0.034							0.5 U						
Arochlor-1260	0.33	1.3	0.5	0.034							0.5 U						
PCBs (Total)	0.5	0.5	0.5								0.5 U						
PCBs (Total)	0.5	0.5	0.5	0.17							0.5 U						

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	CW-8 1/13/2010	CW-8 12/21/2010	CW-9 2/19/1990	CW-9 2/28/1990	CW-9 5/24/1994	CW-9 7/11/1994	CW-9 4/16/2004	CW-9 5/6/2008	CW-9 9/11/2008	CW-9 7/7/2010	CW-10 4/12/1990	CW-10 4/25/1990	CW-10 6/24/1993
PCBs (Total)	0.5	0.5	0.5								0.5 U						
pH																	
pH																	
TDS																	
Total Dissolved Solids														461000			
Total Organic Carbons																	
Total Organic Carbon																	
Petroleum Hydrocarbons																	
Petroleum Hydrocarbons (TPH)																	

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	CW-10 7/14/1994	CW-10 10/25/1995	CW-11 4/12/1990	CW-11 4/18/1990	CW-11 6/25/1993	CW-11 7/14/1994	CW-11 10/24/1995	CW-12 2/10/1992	CW-12 9/21/1999	CW-12 3/29/2000	CW-12 6/21/2001	CW-12 6/12/2002
1,4-Dioxane																
1,4-Dioxane	6.4	32		0.67												
Alkalinity																
ALKALINITY, TOTAL																
Anions																
Chloride		250000														
Nitrate As N	10000	10000	10000	58000		1600					2500					
Orthophosphate As P																
Sulfate																
Conductivity																
Specific Conductance																
Cyanide																
Cyanide, Free	200	200	200	730									10 U	10 U	0 U	0 U
Cyanide, Total	200	200		730									10 U	10 U	0 U	0 U
Cyanide, Free																
Cyanide, Free	200	200	200	730	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U				
Cyanide, Total																
Cyanide, Total	200	200		730	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U				
Hardness																
Hardness, As CaCO3																
Other																
ALKALINITY, BICARBONATE													250000	220000		
ALKALINITY, TOTAL						48000		120000			110000		250000	220000		
Bromide						500 U	2 U	2 U			500 U	5 U				
Carbonate						5000 U					5000 U					
Chloride		250000				5000 U					14000		30000	23000		
Dissolved Oxygen								8800								
Fluoride	4000	4000		1500		60					60					
Hardness, As CaCO3						64000		120000			130000	120000	260000	220000		
pH						7.21 SU		8.0 SU			7.84 SU					
Silica						400					400					
Specific Conductance						170 umhos/cm					330 umhos/cm					
Sulfate						11000					3500		30000	14000		
Total Dissolved Solids						93000		160000			160000	130000	350000	290000		
Total Suspended Solids								5000 U								
Turbidity																
Polychlorinated Biphenols																
Arochlor-1016	2.6	7.2	0.5	0.96												
Arochlor-1221	0.33	1.3	0.5	0.0068												
Arochlor-1232	0.33	1.3	0.5	0.0068												
Arochlor-1242	0.33	1.3	0.5	0.034												
Arochlor-1248	0.33	1.3	0.5	0.034												
Arochlor-1254	0.33	1.3	0.5	0.034												
Arochlor-1260	0.33	1.3	0.5	0.034												
PCBs (Total)	0.5	0.5	0.5													
PCBs (Total)	0.5	0.5	0.5	0.17												

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	CW-10 7/14/1994	CW-10 10/25/1995	CW-11 4/12/1990	CW-11 4/18/1990	CW-11 6/25/1993	CW-11 7/14/1994	CW-11 10/24/1995	CW-12 2/10/1992	CW-12 9/21/1999	CW-12 3/29/2000	CW-12 6/21/2001	CW-12 6/12/2002
PCBs (Total)	0.5	0.5	0.5													
pH																
pH																
TDS																
Total Dissolved Solids																
Total Organic Carbons																
Total Organic Carbon																
Petroleum Hydrocarbons																
Petroleum Hydrocarbons (TPH)													1000			

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	CW-12A 9/21/1999	CW-12A 3/20/2000	CW-12A 3/30/2000	CW-13 1/21/1992	CW-13 2/10/1992	CW-13 5/24/1994	CW-13 7/11/1994	CW-13 5/7/2008	CW-13 9/11/2008	CW-13 7/7/2010	CW-14 1/16/1992	CW-14 2/10/1992	CW-14 6/15/1994
1,4-Dioxane																	
1,4-Dioxane	6.4	32		0.67													
Alkalinity																	
ALKALINITY, TOTAL																	
Anions																	
Chloride		250000															
Nitrate As N	10000	10000	10000	58000													
Orthophosphate As P																	
Sulfate																	
Conductivity																	
Specific Conductance																	
Cyanide																	
Cyanide, Free	200	200	200	730	10 U	0 U	10 U										
Cyanide, Total	200	200		730	10 U	0 U	10 U										
Cyanide, Free																	
Cyanide, Free	200	200	200	730				5 U		5 U	5 U	1.7 B J	2.3 B J				5 U
Cyanide, Total																	
Cyanide, Total	200	200		730				50 U		5 U	5 U	10 U	2.4 B				5 U
Hardness																	
Hardness, As CaCO3																	
Other																	
ALKALINITY, BICARBONATE					240000		240000										
ALKALINITY, TOTAL					240000		240000				270000						
Bromide								20 U	5 U						5 U	2 U	
Carbonate																	
Chloride		250000			28000		25000										
Dissolved Oxygen																	
Fluoride	4000	4000		1500													
Hardness, As CaCO3					270000		260000				670000						
pH											7.54 SU						
Silica																	
Specific Conductance																	
Sulfate					35000		33000										
Total Dissolved Solids					340000		300000				430000						
Total Suspended Solids											5000 U						
Turbidity											0.2 N.T.U.						
Polychlorinated Biphenols																	
Arochlor-1016	2.6	7.2	0.5	0.96													
Arochlor-1221	0.33	1.3	0.5	0.0068													
Arochlor-1232	0.33	1.3	0.5	0.0068													
Arochlor-1242	0.33	1.3	0.5	0.034													
Arochlor-1248	0.33	1.3	0.5	0.034													
Arochlor-1254	0.33	1.3	0.5	0.034													
Arochlor-1260	0.33	1.3	0.5	0.034													
PCBs (Total)	0.5	0.5	0.5														
PCBs (Total)	0.5	0.5	0.5	0.17													

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	CW-12A 9/21/1999	CW-12A 3/20/2000	CW-12A 3/30/2000	CW-13 1/21/1992	CW-13 2/10/1992	CW-13 5/24/1994	CW-13 7/11/1994	CW-13 5/7/2008	CW-13 9/11/2008	CW-13 7/7/2010	CW-14 1/16/1992	CW-14 2/10/1992	CW-14 6/15/1994
PCBs (Total)	0.5	0.5	0.5														
pH																	
pH																	
TDS																	
Total Dissolved Solids														656000			
Total Organic Carbons																	
Total Organic Carbon																	
Petroleum Hydrocarbons																	
Petroleum Hydrocarbons (TPH)					1000												

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	CW-14 7/11/1994	CW-14 5/20/2008	CW-14 9/30/2008	CW-15 9/1/1999	CW-15 4/10/2000	CW-15A 2/18/1992	CW-15A 2/20/1992	CW-15A 6/25/1993	CW-15A 5/24/1994	CW-15A 7/11/1994	CW-15A 5/6/2008	CW-15A 10/9/2008	CW-15A 6/15/2009
1,4-Dioxane																	
1,4-Dioxane	6.4	32		0.67											250	140	99
Alkalinity																	
ALKALINITY, TOTAL																	
Anions																	
Chloride		250000															
Nitrate As N	10000	10000	10000	58000													
Orthophosphate As P																	
Sulfate																	
Conductivity																	
Specific Conductance																	
Cyanide																	
Cyanide, Free	200	200	200	730				10 U	10 U								
Cyanide, Total	200	200		730				10 U	10 U								
Cyanide, Free																	
Cyanide, Free	200	200	200	730	5 U	1.8 B J	10 U			63		20	30	20	10 U	6.5 B	
Cyanide, Total																	
Cyanide, Total	200	200		730	5 U	2.6 B J	10 U			12		70	150	80	10 U	5.4 B	
Hardness																	
Hardness, As CaCO3																	
Other																	
ALKALINITY, BICARBONATE									300000								
ALKALINITY, TOTAL					230000			290000	300000					320000			
Bromide										5000 U	5000 U	1000 U					
Carbonate																	
Chloride		250000						37000	29000								
Dissolved Oxygen																	
Fluoride	4000	4000		1500													
Hardness, As CaCO3					330000			500000	500000					580000			
pH					7.32 SU									7.23 SU			
Silica																	
Specific Conductance																	
Sulfate								200000	210000								
Total Dissolved Solids					450000			740000	650000					900000			
Total Suspended Solids					720000									5000 U			
Turbidity					49 N.T.U.									2.1 N.T.U.			
Polychlorinated Biphenols																	
Arochlor-1016	2.6	7.2	0.5	0.96													
Arochlor-1221	0.33	1.3	0.5	0.0068													
Arochlor-1232	0.33	1.3	0.5	0.0068													
Arochlor-1242	0.33	1.3	0.5	0.034													
Arochlor-1248	0.33	1.3	0.5	0.034													
Arochlor-1254	0.33	1.3	0.5	0.034													
Arochlor-1260	0.33	1.3	0.5	0.034													
PCBs (Total)	0.5	0.5	0.5														
PCBs (Total)	0.5	0.5	0.5	0.17													

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	CW-14 7/11/1994	CW-14 5/20/2008	CW-14 9/30/2008	CW-15 9/1/1999	CW-15 4/10/2000	CW-15A 2/18/1992	CW-15A 2/20/1992	CW-15A 6/25/1993	CW-15A 5/24/1994	CW-15A 7/11/1994	CW-15A 5/6/2008	CW-15A 10/9/2008	CW-15A 6/15/2009
PCBs (Total)	0.5	0.5	0.5														
pH																	
pH																	
TDS																	
Total Dissolved Solids																	
Total Organic Carbons																	
Total Organic Carbon																	
Petroleum Hydrocarbons																	
Petroleum Hydrocarbons (TPH)								1000									

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	CW-15A 12/16/2009	CW-15A 7/7/2010	CW-15A 12/21/2010	CW-16 8/15/1994	CW-16 5/23/2008	CW-16 10/8/2008	CW-17 5/6/2008
1,4-Dioxane											
1,4-Dioxane	6.4	32		0.67	140	180	110				
Alkalinity											
ALKALINITY, TOTAL											
Anions											
Chloride		250000									
Nitrate As N	10000	10000	10000	58000							
Orthophosphate As P											
Sulfate											
Conductivity											
Specific Conductance											
Cyanide											
Cyanide, Free	200	200	200	730							
Cyanide, Total	200	200		730							
Cyanide, Free											
Cyanide, Free	200	200	200	730					10 U	10 U	1.6 B
Cyanide, Total											
Cyanide, Total	200	200		730					1.9 B J	10 U	10 U
Hardness											
Hardness, As CaCO3											
Other											
ALKALINITY, BICARBONATE											
ALKALINITY, TOTAL								180000			
Bromide											
Carbonate											
Chloride		250000									
Dissolved Oxygen								5950			
Fluoride	4000	4000		1500							
Hardness, As CaCO3											
pH								7.53 SU			
Silica											
Specific Conductance											
Sulfate											
Total Dissolved Solids								290000			
Total Suspended Solids								16000			
Turbidity											
Polychlorinated Biphenols											
Arochlor-1016	2.6	7.2	0.5	0.96							
Arochlor-1221	0.33	1.3	0.5	0.0068							
Arochlor-1232	0.33	1.3	0.5	0.0068							
Arochlor-1242	0.33	1.3	0.5	0.034							
Arochlor-1248	0.33	1.3	0.5	0.034							
Arochlor-1254	0.33	1.3	0.5	0.034							
Arochlor-1260	0.33	1.3	0.5	0.034							
PCBs (Total)	0.5	0.5	0.5								
PCBs (Total)	0.5	0.5	0.5	0.17							

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	CW-15A 12/16/2009	CW-15A 7/7/2010	CW-15A 12/21/2010	CW-16 8/15/1994	CW-16 5/23/2008	CW-16 10/8/2008	CW-17 5/6/2008
PCBs (Total)	0.5	0.5	0.5								
pH											
pH											
TDS											
Total Dissolved Solids						1040000					
Total Organic Carbons											
Total Organic Carbon											
Petroleum Hydrocarbons											
Petroleum Hydrocarbons (TPH)											

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	CW-17 9/11/2008	CW-17 7/7/2010	CW-18 4/10/1996	CW-18 5/23/2008	CW-20 10/13/2006	CW-20 5/21/2008	CW-20 9/30/2008	CW-20 7/8/2010	Softail Lift Station 6/20/2006	Softail Lift Station Deep Foundation 5/20/2008
Alkalinity														
ALKALINITY, TOTAL													226000	
Anions														
Chloride		250000											27400	
Nitrate As N	10000	10000	10000	58000									1200	
Orthophosphate As P													500 U	
Sulfate													19700	
Conductivity														
Specific Conductance													518 umhos/cm	
Cyanide														
Cyanide, Free	200	200	200	730										
Cyanide, Total	200	200		730										
Cyanide, Free														
Cyanide, Free	200	200	200	730	2.1 B J			10 U	2 U	10 U	10 U			10 U
Cyanide, Total														
Cyanide, Total	200	200		730	2.5 B			2.3 B J	95.3	2 B J	10 U			2.6 B J
Hardness														
Hardness, As CaCO3													238000	
Other														
ALKALINITY, BICARBONATE														
ALKALINITY, TOTAL							290000							
Bromide														
Carbonate														
Chloride		250000												
Dissolved Oxygen							7650							
Fluoride	4000	4000		1500										
Hardness, As CaCO3							380000							
Nitrate/Nitrite-Nitogen		1000	1000	3700										
pH							7.15 SU							
Silica														
Specific Conductance														
Sulfate														
Total Dissolved Solids							730000							
Total Suspended Solids							38000							
Polychlorinated Biphenols														
Arochlor-1016	2.6	7.2	0.5	0.96										
Arochlor-1221	0.33	1.3	0.5	0.0068										
Arochlor-1232	0.33	1.3	0.5	0.0068										
Arochlor-1242	0.33	1.3	0.5	0.034										
Arochlor-1248	0.33	1.3	0.5	0.034										
Arochlor-1254	0.33	1.3	0.5	0.034										
Arochlor-1260	0.33	1.3	0.5	0.034										
pH														
pH													7.3 SU	
TDS														
Total Dissolved Solids						464000						421000	317000	

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	CW-17 9/11/2008	CW-17 7/7/2010	CW-18 4/10/1996	CW-18 5/23/2008	CW-20 10/13/2006	CW-20 5/21/2008	CW-20 9/30/2008	CW-20 7/8/2010	Softail Lift Station 6/20/2006	Softail Lift Station Deep Foundation 5/20/2008
Total Organic Carbons														
Total Organic Carbon													2300	
Petroleum Hydrocarbons														
Petroleum Hydrocarbons (TPH)							400 U							

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	Softail Lift Station Toe of Slope 5/20/2008	Cole D 5/1/2008	Cole D 5/1/2008	Cole D 9/12/2008	Cole D 7/9/2010	Cole F 5/1/2008	Cole F 9/8/2008	Cole F 7/8/2010	MW-4 (Cole) 5/1/2008	MW-4 (Cole) 9/8/2008
Alkalinity														
ALKALINITY, TOTAL														
Anions														
Chloride		250000												
Nitrate As N	10000	10000	10000	58000										
Orthophosphate As P														
Sulfate														
Conductivity														
Specific Conductance														
Cyanide														
Cyanide, Free	200	200	200	730										
Cyanide, Total	200	200		730										
Cyanide, Free														
Cyanide, Free	200	200	200	730	10 U		10 U	2.8 B J		10 U	10 U		10 U	10 U
Cyanide, Total														
Cyanide, Total	200	200		730	2.6 B J	10 U		3.1 B J		10 U	10 U		10 U	10 U
Hardness														
Hardness, As CaCO3														
Other														
ALKALINITY, BICARBONATE														
ALKALINITY, TOTAL														
Bromide														
Carbonate														
Chloride		250000												
Dissolved Oxygen														
Fluoride	4000	4000		1500										
Hardness, As CaCO3														
Nitrate/Nitrite-Nitogen		1000	1000	3700										
pH														
Silica														
Specific Conductance														
Sulfate														
Total Dissolved Solids														
Total Suspended Solids														
Polychlorinated Biphenols														
Arochlor-1016	2.6	7.2	0.5	0.96										
Arochlor-1221	0.33	1.3	0.5	0.0068										
Arochlor-1232	0.33	1.3	0.5	0.0068										
Arochlor-1242	0.33	1.3	0.5	0.034										
Arochlor-1248	0.33	1.3	0.5	0.034										
Arochlor-1254	0.33	1.3	0.5	0.034										
Arochlor-1260	0.33	1.3	0.5	0.034										
pH														
pH														
TDS														
Total Dissolved Solids									282000			327000		

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	Softail Lift Station Toe of Slope 5/20/2008	Cole D 5/1/2008	Cole D 5/1/2008	Cole D 9/12/2008	Cole D 7/9/2010	Cole F 5/1/2008	Cole F 9/8/2008	Cole F 7/8/2010	MW-4 (Cole) 5/1/2008	MW-4 (Cole) 9/8/2008
Total Organic Carbons														
Total Organic Carbon														
Petroleum Hydrocarbons														
Petroleum Hydrocarbons (TPH)														

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	HERMAN (S-7) 2/27/2004	HERMAN (S-7) 5/28/2004	HERMAN (S-7) 8/27/2004	HERMAN (S-7) 9/22/2004	HERMAN (S-7) 11/24/2004	HERMAN (S-7) 3/1/2005	HERMAN (S-7) 5/17/2005	HERMAN (S-7) 8/18/2005	HERMAN (S-7) 11/15/2005
Alkalinity													
ALKALINITY, TOTAL													
Anions													
Chloride		250000											
Nitrate As N	10000	10000	10000	58000									
Orthophosphate As P													
Sulfate													
Conductivity													
Specific Conductance													
Cyanide													
Cyanide, Free	200	200	200	730	5 U	5 U		5 U	5 U	5 U	5 U	5 U	
Cyanide, Total	200	200		730	5 U	5 U	10 U		5 U	5 U	5 U	5 U	
Cyanide, Free													
Cyanide, Free	200	200	200	730									10 U
Cyanide, Total													
Cyanide, Total	200	200		730									10 U
Hardness													
Hardness, As CaCO3													
Other													
ALKALINITY, BICARBONATE													
ALKALINITY, TOTAL													
Bromide													
Carbonate													
Chloride		250000											
Dissolved Oxygen													
Fluoride	4000	4000		1500									
Hardness, As CaCO3													
Nitrate/Nitrite-Nitogen		1000	1000	3700									
pH													
Silica													
Specific Conductance													
Sulfate													
Total Dissolved Solids													
Total Suspended Solids													
Polychlorinated Biphenols													
Arochlor-1016	2.6	7.2	0.5	0.96									
Arochlor-1221	0.33	1.3	0.5	0.0068									
Arochlor-1232	0.33	1.3	0.5	0.0068									
Arochlor-1242	0.33	1.3	0.5	0.034									
Arochlor-1248	0.33	1.3	0.5	0.034									
Arochlor-1254	0.33	1.3	0.5	0.034									
Arochlor-1260	0.33	1.3	0.5	0.034									
pH													
pH													
TDS													
Total Dissolved Solids													

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	HERMAN (S-7) 2/27/2004	HERMAN (S-7) 5/28/2004	HERMAN (S-7) 8/27/2004	HERMAN (S-7) 9/22/2004	HERMAN (S-7) 11/24/2004	HERMAN (S-7) 3/1/2005	HERMAN (S-7) 5/17/2005	HERMAN (S-7) 8/18/2005	HERMAN (S-7) 11/15/2005
Total Organic Carbons													
Total Organic Carbon													
Petroleum Hydrocarbons													
Petroleum Hydrocarbons (TPH)													

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	HERMAN (S-7) 2/16/2006	HERMAN (S-7) 5/19/2006	HERMAN (S-7) 8/9/2006	HERMAN (S-7) 11/4/2006	HERMAN (S-7) 2/13/2007	HERMAN (S-7) 5/10/2007	HERMAN (S-7) 6/26/2009	RW-2 7/19/1996	RW-2 10/20/1997	RW-2 12/8/1998
Alkalinity														
ALKALINITY, TOTAL														
Anions														
Chloride		250000												
Nitrate As N	10000	10000	10000	58000										
Orthophosphate As P														
Sulfate														
Conductivity														
Specific Conductance														
Cyanide														
Cyanide, Free	200	200	200	730									0 U	0 U
Cyanide, Total	200	200		730									0 U	0 U
Cyanide, Free														
Cyanide, Free	200	200	200	730	10 U	1.8 B	0.8 B	30	2 U	2 U	1.8 B J	5 U		
Cyanide, Total														
Cyanide, Total	200	200		730	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U		
Hardness														
Hardness, As CaCO3														
Other														
ALKALINITY, BICARBONATE														
ALKALINITY, TOTAL														
Bromide														
Carbonate														
Chloride		250000												
Dissolved Oxygen														
Fluoride	4000	4000		1500										
Hardness, As CaCO3														
Nitrate/Nitrite-Nitogen		1000	1000	3700										
pH														
Silica														
Specific Conductance														
Sulfate														
Total Dissolved Solids														
Total Suspended Solids														
Polychlorinated Biphenols														
Arochlor-1016	2.6	7.2	0.5	0.96										
Arochlor-1221	0.33	1.3	0.5	0.0068										
Arochlor-1232	0.33	1.3	0.5	0.0068										
Arochlor-1242	0.33	1.3	0.5	0.034										
Arochlor-1248	0.33	1.3	0.5	0.034										
Arochlor-1254	0.33	1.3	0.5	0.034										
Arochlor-1260	0.33	1.3	0.5	0.034										
pH														
pH														
TDS														
Total Dissolved Solids														

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	HERMAN (S-7) 2/16/2006	HERMAN (S-7) 5/19/2006	HERMAN (S-7) 8/9/2006	HERMAN (S-7) 11/4/2006	HERMAN (S-7) 2/13/2007	HERMAN (S-7) 5/10/2007	HERMAN (S-7) 6/26/2009	RW-2 7/19/1996	RW-2 10/20/1997	RW-2 12/8/1998
Total Organic Carbons														
Total Organic Carbon														
Petroleum Hydrocarbons														
Petroleum Hydrocarbons (TPH)														

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	RW-2 7/30/1999	RW-2 3/30/2000	RW-2 6/20/2001	RW-2 6/12/2002	RW-2 6/15/2005	RW-2 4/22/2008	RW-2 9/26/2008	RW-2 7/6/2010	RW-4 Folk 12/5/1991	RW-4 Folk 3/11/1992	RW-4 Folk 6/12/1992	RW-4 Folk 9/30/1992
Alkalinity																
ALKALINITY, TOTAL																
Anions																
Chloride		250000														
Nitrate As N	10000	10000	10000	58000												
Orthophosphate As P																
Sulfate																
Conductivity																
Specific Conductance																
Cyanide																
Cyanide, Free	200	200	200	730	10 U	10 U	0 U	0 U	10 U							
Cyanide, Total	200	200		730	10 U	10 U	0 U	0 U	10 U							
Cyanide, Free																
Cyanide, Free	200	200	200	730						10 U	10 U		U	U	U	U
Cyanide, Total																
Cyanide, Total	200	200		730						10 U	10 U		U	U	U	U
Hardness																
Hardness, As CaCO3																
Other																
ALKALINITY, BICARBONATE					13000	10000										
ALKALINITY, TOTAL					13000	10000										
Bromide																
Carbonate																
Chloride		250000			7500	5000 U										
Dissolved Oxygen																
Fluoride	4000	4000		1500												
Hardness, As CaCO3					36000	28000										
Nitrate/Nitrite-Nitogen		1000	1000	3700												
pH																
Silica																
Specific Conductance																
Sulfate					39000	5500										
Total Dissolved Solids					95000	47000										
Total Suspended Solids																
Polychlorinated Biphenols																
Arochlor-1016	2.6	7.2	0.5	0.96												
Arochlor-1221	0.33	1.3	0.5	0.0068												
Arochlor-1232	0.33	1.3	0.5	0.0068												
Arochlor-1242	0.33	1.3	0.5	0.034												
Arochlor-1248	0.33	1.3	0.5	0.034												
Arochlor-1254	0.33	1.3	0.5	0.034												
Arochlor-1260	0.33	1.3	0.5	0.034												
pH																
pH																
TDS																
Total Dissolved Solids												142000				

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	RW-2 7/30/1999	RW-2 3/30/2000	RW-2 6/20/2001	RW-2 6/12/2002	RW-2 6/15/2005	RW-2 4/22/2008	RW-2 9/26/2008	RW-2 7/6/2010	RW-4 Folk 12/5/1991	RW-4 Folk 3/11/1992	RW-4 Folk 6/12/1992	RW-4 Folk 9/30/1992
Total Organic Carbons																
Total Organic Carbon																
Petroleum Hydrocarbons																
Petroleum Hydrocarbons (TPH)																

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	RW-4 Folk 12/18/1992	RW-4 Folk 2/24/1993	RW-4 Folk 6/22/1993	RW-4 Folk 8/30/1993	RW-4 Folk 11/30/1993	RW-4 Folk 1/26/1994	RW-4 Folk 4/5/1994	RW-4 Folk 7/15/1994	RW-4 Folk 11/14/1994	RW-4 Folk 3/9/1995	RW-4 Folk 6/7/1995	RW-4 Folk 9/4/1996
Alkalinity																
ALKALINITY, TOTAL																
Anions																
Chloride		250000														
Nitrate As N	10000	10000	10000	58000												
Orthophosphate As P																
Sulfate																
Conductivity																
Specific Conductance																
Cyanide																
Cyanide, Free	200	200	200	730												
Cyanide, Total	200	200		730												
Cyanide, Free																
Cyanide, Free	200	200	200	730	U	U	U	U	U	U	U	5 U	5 U	5 U	10 U	5 U
Cyanide, Total																
Cyanide, Total	200	200		730	U	U	10	U	U	U	U	5 U	5 U	5 U	10 U	5 U
Hardness																
Hardness, As CaCO3																
Other																
ALKALINITY, BICARBONATE																
ALKALINITY, TOTAL																
Bromide																
Carbonate																
Chloride		250000														
Dissolved Oxygen																
Fluoride	4000	4000		1500												
Hardness, As CaCO3																
Nitrate/Nitrite-Nitogen		1000	1000	3700												
pH																
Silica																
Specific Conductance																
Sulfate																
Total Dissolved Solids																
Total Suspended Solids																
Polychlorinated Biphenols																
Arochlor-1016	2.6	7.2	0.5	0.96												
Arochlor-1221	0.33	1.3	0.5	0.0068												
Arochlor-1232	0.33	1.3	0.5	0.0068												
Arochlor-1242	0.33	1.3	0.5	0.034												
Arochlor-1248	0.33	1.3	0.5	0.034												
Arochlor-1254	0.33	1.3	0.5	0.034												
Arochlor-1260	0.33	1.3	0.5	0.034												
pH																
pH																
TDS																
Total Dissolved Solids																

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	RW-4 Folk 12/18/1992	RW-4 Folk 2/24/1993	RW-4 Folk 6/22/1993	RW-4 Folk 8/30/1993	RW-4 Folk 11/30/1993	RW-4 Folk 1/26/1994	RW-4 Folk 4/5/1994	RW-4 Folk 7/15/1994	RW-4 Folk 11/14/1994	RW-4 Folk 3/9/1995	RW-4 Folk 6/7/1995	RW-4 Folk 9/4/1996
Total Organic Carbons																
Total Organic Carbon																
Petroleum Hydrocarbons																
Petroleum Hydrocarbons (TPH)																

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	RW-4 Folk 12/3/1996	RW-4 Folk 3/6/1997	RW-4 Folk 6/4/1997	RW-4 Folk 2/27/2004	RW-4 Folk 5/28/2004	RW-4 Folk 8/27/2004	RW-4 Folk 9/22/2004	RW-4 Folk 11/24/2004	RW-4 Folk 3/1/2005	RW-4 Folk 5/17/2005	RW-4 Folk 8/18/2005	RW-4 Folk 11/15/2005
Alkalinity																
ALKALINITY, TOTAL																
Anions																
Chloride		250000														
Nitrate As N	10000	10000	10000	58000												
Orthophosphate As P																
Sulfate																
Conductivity																
Specific Conductance																
Cyanide																
Cyanide, Free	200	200	200	730				5 U	5 U		5 U	5 U	5 U	5 U	5 U	
Cyanide, Total	200	200		730				5 U	5 U	10 U		5 U	5 U	5 U	5 U	
Cyanide, Free																
Cyanide, Free	200	200	200	730	5 U	5 U	5 U									10 U
Cyanide, Total																
Cyanide, Total	200	200		730	5 U	5 U	5 U									10 U
Hardness																
Hardness, As CaCO3																
Other																
ALKALINITY, BICARBONATE																
ALKALINITY, TOTAL																
Bromide																
Carbonate																
Chloride		250000														
Dissolved Oxygen																
Fluoride	4000	4000		1500												
Hardness, As CaCO3																
Nitrate/Nitrite-Nitogen		1000	1000	3700												
pH																
Silica																
Specific Conductance																
Sulfate																
Total Dissolved Solids																
Total Suspended Solids																
Polychlorinated Biphenols																
Arochlor-1016	2.6	7.2	0.5	0.96												
Arochlor-1221	0.33	1.3	0.5	0.0068												
Arochlor-1232	0.33	1.3	0.5	0.0068												
Arochlor-1242	0.33	1.3	0.5	0.034												
Arochlor-1248	0.33	1.3	0.5	0.034												
Arochlor-1254	0.33	1.3	0.5	0.034												
Arochlor-1260	0.33	1.3	0.5	0.034												
pH																
pH																
TDS																
Total Dissolved Solids																

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	RW-4 Folk 12/3/1996	RW-4 Folk 3/6/1997	RW-4 Folk 6/4/1997	RW-4 Folk 2/27/2004	RW-4 Folk 5/28/2004	RW-4 Folk 8/27/2004	RW-4 Folk 9/22/2004	RW-4 Folk 11/24/2004	RW-4 Folk 3/1/2005	RW-4 Folk 5/17/2005	RW-4 Folk 8/18/2005	RW-4 Folk 11/15/2005
Total Organic Carbons																
Total Organic Carbon																
Petroleum Hydrocarbons																
Petroleum Hydrocarbons (TPH)																

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	RW-4 Folk 2/16/2006	RW-4 Folk 5/19/2006	RW-4 Folk 8/9/2006	RW-4 Folk 11/4/2006	RW-4 Folk 2/13/2007	RW-4 Folk 5/10/2007	RW-4 Folk 8/22/2007	RW-4 Folk 5/14/2008	RW-4 Folk 9/10/2008	RW-4 Folk 6/18/2009	RW-4 FOLK 6/25/2010	RW-5 3/6/1990
Alkalinity																
ALKALINITY, TOTAL																
Anions																
Chloride		250000														
Nitrate As N	10000	10000	10000	58000												
Orthophosphate As P																
Sulfate																
Conductivity																
Specific Conductance																
Cyanide																
Cyanide, Free	200	200	200	730												
Cyanide, Total	200	200		730												
Cyanide, Free																
Cyanide, Free	200	200	200	730	10 U	2 U	2 U	2 U	2 U	2 U	2 U	10 U	10 U	2.3 B J		
Cyanide, Total																
Cyanide, Total	200	200		730	10 U	10 U	10 U	10 U	8.9 B	10 U	10 U	10 U	10 U	10 U		6
Hardness																
Hardness, As CaCO3																
Other																
ALKALINITY, BICARBONATE																
ALKALINITY, TOTAL																
Bromide																
Carbonate																
Chloride		250000														
Dissolved Oxygen																
Fluoride	4000	4000		1500												
Hardness, As CaCO3																
Nitrate/Nitrite-Nitogen		1000	1000	3700												
pH																
Silica																
Specific Conductance																
Sulfate																
Total Dissolved Solids																
Total Suspended Solids																
Polychlorinated Biphenols																
Arochlor-1016	2.6	7.2	0.5	0.96												
Arochlor-1221	0.33	1.3	0.5	0.0068												
Arochlor-1232	0.33	1.3	0.5	0.0068												
Arochlor-1242	0.33	1.3	0.5	0.034												
Arochlor-1248	0.33	1.3	0.5	0.034												
Arochlor-1254	0.33	1.3	0.5	0.034												
Arochlor-1260	0.33	1.3	0.5	0.034												
pH																
pH																
TDS																
Total Dissolved Solids															110000	

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	RW-4 Folk 2/16/2006	RW-4 Folk 5/19/2006	RW-4 Folk 8/9/2006	RW-4 Folk 11/4/2006	RW-4 Folk 2/13/2007	RW-4 Folk 5/10/2007	RW-4 Folk 8/22/2007	RW-4 Folk 5/14/2008	RW-4 Folk 9/10/2008	RW-4 Folk 6/18/2009	RW-4 FOLK 6/25/2010	RW-5 3/6/1990
Total Organic Carbons																
Total Organic Carbon																
Petroleum Hydrocarbons																
Petroleum Hydrocarbons (TPH)																

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	RW-5 12/5/1991	RW-5 3/11/1992	RW-5 6/12/1992	RW-5 9/30/1992	RW-5 12/18/1992	RW-5 2/24/1993	RW-5 6/22/1993	RW-5 8/30/1993	RW-5 11/30/1993	RW-5 1/26/1994	RW-5 4/5/1994	RW-5 7/15/1994
Alkalinity																
ALKALINITY, TOTAL																
Anions																
Chloride		250000														
Nitrate As N	10000	10000	10000	58000												
Orthophosphate As P																
Sulfate																
Conductivity																
Specific Conductance																
Cyanide																
Cyanide, Free	200	200	200	730												
Cyanide, Total	200	200		730												
Cyanide, Free																
Cyanide, Free	200	200	200	730	U	U	U	U	U	U	U	U	U	U	U	5 U
Cyanide, Total																
Cyanide, Total	200	200		730	U	U	U	U	U	U	U	U	U	U	U	5 U
Hardness																
Hardness, As CaCO3																
Other																
ALKALINITY, BICARBONATE																
ALKALINITY, TOTAL																
Bromide																
Carbonate																
Chloride		250000														
Dissolved Oxygen																
Fluoride	4000	4000		1500												
Hardness, As CaCO3																
Nitrate/Nitrite-Nitogen		1000	1000	3700												
pH																
Silica																
Specific Conductance																
Sulfate																
Total Dissolved Solids																
Total Suspended Solids																
Polychlorinated Biphenols																
Arochlor-1016	2.6	7.2	0.5	0.96												
Arochlor-1221	0.33	1.3	0.5	0.0068												
Arochlor-1232	0.33	1.3	0.5	0.0068												
Arochlor-1242	0.33	1.3	0.5	0.034												
Arochlor-1248	0.33	1.3	0.5	0.034												
Arochlor-1254	0.33	1.3	0.5	0.034												
Arochlor-1260	0.33	1.3	0.5	0.034												
pH																
pH																
TDS																
Total Dissolved Solids																

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	RW-5 12/5/1991	RW-5 3/11/1992	RW-5 6/12/1992	RW-5 9/30/1992	RW-5 12/18/1992	RW-5 2/24/1993	RW-5 6/22/1993	RW-5 8/30/1993	RW-5 11/30/1993	RW-5 1/26/1994	RW-5 4/5/1994	RW-5 7/15/1994
Total Organic Carbons																
Total Organic Carbon																
Petroleum Hydrocarbons																
Petroleum Hydrocarbons (TPH)																

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	RW-5 11/14/1994	RW-5 3/9/1995	RW-5 6/7/1995	RW-5 9/7/1995	RW-5 10/27/1995	RW-5 12/7/1995	RW-5 12/29/1995	RW-5 3/7/1996	RW-5 9/4/1996	RW-5 12/3/1996	RW-5 3/6/1997	RW-5 6/4/1997
Alkalinity																
ALKALINITY, TOTAL																
Anions																
Chloride		250000														
Nitrate As N	10000	10000	10000	58000					2000		2000					
Orthophosphate As P																
Sulfate																
Conductivity																
Specific Conductance																
Cyanide																
Cyanide, Free	200	200	200	730												
Cyanide, Total	200	200		730												
Cyanide, Free																
Cyanide, Free	200	200	200	730	5 U	5 U	10 U	U	5 U	U	5 U	U	5 U	5 U	5 U	5 U
Cyanide, Total																
Cyanide, Total	200	200		730	5 U	5 U	10 U	U	5 U	U	5 U	U	5 U	5 U	5 U	5 U
Hardness																
Hardness, As CaCO3																
Other																
ALKALINITY, BICARBONATE																
ALKALINITY, TOTAL									280000		300000					
Bromide									660		550					
Carbonate									5000 U		5000 U					
Chloride		250000							37000		37000					
Dissolved Oxygen																
Fluoride	4000	4000		1500					40		40					
Hardness, As CaCO3									320000		340000					
Nitrate/Nitrite-Nitogen		1000	1000	3700												
pH									7.69 SU		7.48 SU					
Silica									400		500					
Specific Conductance									810 umhos/cm		790 umhos/cm					
Sulfate									34000		37000					
Total Dissolved Solids									390000		380000					
Total Suspended Solids																
Polychlorinated Biphenols																
Arochlor-1016	2.6	7.2	0.5	0.96												
Arochlor-1221	0.33	1.3	0.5	0.0068												
Arochlor-1232	0.33	1.3	0.5	0.0068												
Arochlor-1242	0.33	1.3	0.5	0.034												
Arochlor-1248	0.33	1.3	0.5	0.034												
Arochlor-1254	0.33	1.3	0.5	0.034												
Arochlor-1260	0.33	1.3	0.5	0.034												
pH																
pH																
TDS																
Total Dissolved Solids																

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	RW-5 11/14/1994	RW-5 3/9/1995	RW-5 6/7/1995	RW-5 9/7/1995	RW-5 10/27/1995	RW-5 12/7/1995	RW-5 12/29/1995	RW-5 3/7/1996	RW-5 9/4/1996	RW-5 12/3/1996	RW-5 3/6/1997	RW-5 6/4/1997
Total Organic Carbons																
Total Organic Carbon																
Petroleum Hydrocarbons																
Petroleum Hydrocarbons (TPH)																

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	RW-5 7/30/1999	RW-5 3/31/2000	RW-5 4/22/2008	RW-5 9/26/2008	RW-5 7/7/2010	RW-6 3/9/1995	RW-6 6/7/1995	HERMAN (S-7) 12/5/1991	HERMAN (S-7) 3/11/1992	HERMAN (S-7) 9/30/1992	HERMAN (S-7) 12/18/1992
Alkalinity															
ALKALINITY, TOTAL															
Anions															
Chloride		250000													
Nitrate As N	10000	10000	10000	58000											
Orthophosphate As P															
Sulfate															
Conductivity															
Specific Conductance															
Cyanide															
Cyanide, Free	200	200	200	730	10 U	10 U									
Cyanide, Total	200	200		730	10 U	10 U									
Cyanide, Free															
Cyanide, Free	200	200	200	730			10 U	10 U		5 U	10 U	U	U	U	U
Cyanide, Total															
Cyanide, Total	200	200		730			10 U	10 U		5 U	10 U	U	U	U	U
Hardness															
Hardness, As CaCO3															
Other															
ALKALINITY, BICARBONATE					240000	240000									
ALKALINITY, TOTAL					240000	240000									
Bromide															
Carbonate															
Chloride		250000			32000	28000									
Dissolved Oxygen															
Fluoride	4000	4000		1500											
Hardness, As CaCO3					260000	270000									
Nitrate/Nitrite-Nitogen		1000	1000	3700											
pH															
Silica															
Specific Conductance															
Sulfate					7000	44000									
Total Dissolved Solids					400000	320000									
Total Suspended Solids															
Polychlorinated Biphenols															
Arochlor-1016	2.6	7.2	0.5	0.96											
Arochlor-1221	0.33	1.3	0.5	0.0068											
Arochlor-1232	0.33	1.3	0.5	0.0068											
Arochlor-1242	0.33	1.3	0.5	0.034											
Arochlor-1248	0.33	1.3	0.5	0.034											
Arochlor-1254	0.33	1.3	0.5	0.034											
Arochlor-1260	0.33	1.3	0.5	0.034											
pH															
pH															
TDS															
Total Dissolved Solids									718000						

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	RW-5 7/30/1999	RW-5 3/31/2000	RW-5 4/22/2008	RW-5 9/26/2008	RW-5 7/7/2010	RW-6 3/9/1995	RW-6 6/7/1995	HERMAN (S-7) 12/5/1991	HERMAN (S-7) 3/11/1992	HERMAN (S-7) 9/30/1992	HERMAN (S-7) 12/18/1992
Total Organic Carbons															
Total Organic Carbon															
Petroleum Hydrocarbons															
Petroleum Hydrocarbons (TPH)															

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	HERMAN (S-7) 2/24/1993	HERMAN (S-7) 6/22/1993	HERMAN (S-7) 8/30/1993	HERMAN (S-7) 11/30/1993	HERMAN (S-7) 1/26/1994	HERMAN (S-7) 4/5/1994	HERMAN (S-7) 7/15/1994	HERMAN (S-7) 11/14/1994	HERMAN (S-7) 3/9/1995
Alkalinity													
ALKALINITY, TOTAL													
Anions													
Chloride		250000											
Nitrate As N	10000	10000	10000	58000									
Orthophosphate As P													
Sulfate													
Conductivity													
Specific Conductance													
Cyanide													
Cyanide, Free	200	200	200	730									
Cyanide, Total	200	200		730									
Cyanide, Free													
Cyanide, Free	200	200	200	730	U	U	U	U	U	U	5 U	5 U	5 U
Cyanide, Total													
Cyanide, Total	200	200		730	U	U	U	U	U	U	5 U	5 U	5 U
Hardness													
Hardness, As CaCO3													
Other													
ALKALINITY, BICARBONATE													
ALKALINITY, TOTAL													
Bromide													
Carbonate													
Chloride		250000											
Dissolved Oxygen													
Fluoride	4000	4000		1500									
Hardness, As CaCO3													
Nitrate/Nitrite-Nitogen		1000	1000	3700									
pH													
Silica													
Specific Conductance													
Sulfate													
Total Dissolved Solids													
Total Suspended Solids													
Polychlorinated Biphenols													
Arochlor-1016	2.6	7.2	0.5	0.96									
Arochlor-1221	0.33	1.3	0.5	0.0068									
Arochlor-1232	0.33	1.3	0.5	0.0068									
Arochlor-1242	0.33	1.3	0.5	0.034									
Arochlor-1248	0.33	1.3	0.5	0.034									
Arochlor-1254	0.33	1.3	0.5	0.034									
Arochlor-1260	0.33	1.3	0.5	0.034									
pH													
pH													
TDS													
Total Dissolved Solids													

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	HERMAN (S-7) 2/24/1993	HERMAN (S-7) 6/22/1993	HERMAN (S-7) 8/30/1993	HERMAN (S-7) 11/30/1993	HERMAN (S-7) 1/26/1994	HERMAN (S-7) 4/5/1994	HERMAN (S-7) 7/15/1994	HERMAN (S-7) 11/14/1994	HERMAN (S-7) 3/9/1995
Total Organic Carbons													
Total Organic Carbon													
Petroleum Hydrocarbons													
Petroleum Hydrocarbons (TPH)													

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	HERMAN (S-7) 6/7/1995	HERMAN (S-7) 9/4/1996	HERMAN (S-7) 12/3/1996	HERMAN (S-7) 3/6/1997	HERMAN (S-7) 6/4/1997	HERMAN (S-7) 5/14/2008	S-3 6/8/1998	S-3 3/22/2000	S-4 6/8/1998	S-4 3/22/2000
Alkalinity														
ALKALINITY, TOTAL														
Anions														
Chloride		250000												
Nitrate As N	10000	10000	10000	58000										
Orthophosphate As P														
Sulfate														
Conductivity														
Specific Conductance														
Cyanide														
Cyanide, Free	200	200	200	730							0 U	0 U	0 U	0 U
Cyanide, Total	200	200		730							0 U	0 U	0 U	0 U
Cyanide, Free														
Cyanide, Free	200	200	200	730	10 U	5 U	5 U	5 U	5 U	10 U				
Cyanide, Total														
Cyanide, Total	200	200		730	10 U	5 U	5 U	5 U	5 U	10 U				
Hardness														
Hardness, As CaCO3														
Other														
ALKALINITY, BICARBONATE														
ALKALINITY, TOTAL														
Bromide														
Carbonate														
Chloride		250000									10000	17000	14000	9700
Dissolved Oxygen														
Fluoride	4000	4000		1500										
Hardness, As CaCO3														
Nitrate/Nitrite-Nitogen		1000	1000	3700										
pH														
Silica														
Specific Conductance														
Sulfate											11000	19000	9000	29000
Total Dissolved Solids														
Total Suspended Solids														
Polychlorinated Biphenols														
Arochlor-1016	2.6	7.2	0.5	0.96										
Arochlor-1221	0.33	1.3	0.5	0.0068										
Arochlor-1232	0.33	1.3	0.5	0.0068										
Arochlor-1242	0.33	1.3	0.5	0.034										
Arochlor-1248	0.33	1.3	0.5	0.034										
Arochlor-1254	0.33	1.3	0.5	0.034										
Arochlor-1260	0.33	1.3	0.5	0.034										
pH														
pH														
TDS														
Total Dissolved Solids														

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	HERMAN (S-7) 6/7/1995	HERMAN (S-7) 9/4/1996	HERMAN (S-7) 12/3/1996	HERMAN (S-7) 3/6/1997	HERMAN (S-7) 6/4/1997	HERMAN (S-7) 5/14/2008	S-3 6/8/1998	S-3 3/22/2000	S-4 6/8/1998	S-4 3/22/2000
Total Organic Carbons														
Total Organic Carbon														
Petroleum Hydrocarbons														
Petroleum Hydrocarbons (TPH)														

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	S-8 3/6/1990	S-8 6/6/1990	S-8 9/5/1990	S-8 9/5/1991	S-8 3/11/1992	S-8 9/30/1992	S-8 12/18/1992	S-8 2/24/1993	S-9 6/8/1998	S-9 3/22/2000	Spring 7/15/1994	Spring at Bldg 14 S1 4/30/2008
Alkalinity																
ALKALINITY, TOTAL																
Anions																
Chloride		250000														
Nitrate As N	10000	10000	10000	58000												
Orthophosphate As P																
Sulfate																
Conductivity																
Specific Conductance																
Cyanide																
Cyanide, Free	200	200	200	730									0 U	0 U		
Cyanide, Total	200	200		730									0 U	0 U		
Cyanide, Free																
Cyanide, Free	200	200	200	730				U	U	U	U	U			5 U	10 U
Cyanide, Total																
Cyanide, Total	200	200		730	10	10	7	U	U	U	U	U			5 U	3.2 B
Hardness																
Hardness, As CaCO3																
Other																
ALKALINITY, BICARBONATE																
ALKALINITY, TOTAL																
Bromide															1 U	
Carbonate																
Chloride		250000											9900	8600		
Dissolved Oxygen																
Fluoride	4000	4000		1500												
Hardness, As CaCO3																
Nitrate/Nitrite-Nitogen		1000	1000	3700												
pH																
Silica																
Specific Conductance																
Sulfate													0 U	15000		
Total Dissolved Solids																
Total Suspended Solids																
Polychlorinated Biphenols																
Arochlor-1016	2.6	7.2	0.5	0.96												
Arochlor-1221	0.33	1.3	0.5	0.0068												
Arochlor-1232	0.33	1.3	0.5	0.0068												
Arochlor-1242	0.33	1.3	0.5	0.034												
Arochlor-1248	0.33	1.3	0.5	0.034												
Arochlor-1254	0.33	1.3	0.5	0.034												
Arochlor-1260	0.33	1.3	0.5	0.034												
pH																
pH																
TDS																
Total Dissolved Solids																

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	S-8 3/6/1990	S-8 6/6/1990	S-8 9/5/1990	S-8 9/5/1991	S-8 3/11/1992	S-8 9/30/1992	S-8 12/18/1992	S-8 2/24/1993	S-9 6/8/1998	S-9 3/22/2000	Spring 7/15/1994	Spring at Bldg 14 S1 4/30/2008
Total Organic Carbons																
Total Organic Carbon																
Petroleum Hydrocarbons																
Petroleum Hydrocarbons (TPH)																

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	Spring at Bldg 14 S1 9/5/2008	Spring at Bldg 14 S1 6/25/2010	Spring at Bldg 14 S2 4/30/2008	Spring at Bldg 14 S2 9/5/2008	Spring at Bldg 14 S2 7/9/2010	TATE (S-6) 3/11/1992	TATE (S-6) 6/12/1992	TATE (S-6) 9/30/1992
Alkalinity												
ALKALINITY, TOTAL												
Anions												
Chloride		250000										
Nitrate As N	10000	10000	10000	58000								
Orthophosphate As P												
Sulfate												
Conductivity												
Specific Conductance												
Cyanide												
Cyanide, Free	200	200	200	730								
Cyanide, Total	200	200		730								
Cyanide, Free												
Cyanide, Free	200	200	200	730	10 U		10 U	10 U		U		5
Cyanide, Total												
Cyanide, Total	200	200		730	4.6 B		10 U	10 U		U	U	13
Hardness												
Hardness, As CaCO3												
Other												
ALKALINITY, BICARBONATE												
ALKALINITY, TOTAL												
Bromide												
Carbonate												
Chloride		250000										
Dissolved Oxygen												
Fluoride	4000	4000		1500								
Hardness, As CaCO3												
Nitrate/Nitrite-Nitogen		1000	1000	3700								
pH												
Silica												
Specific Conductance												
Sulfate												
Total Dissolved Solids												
Total Suspended Solids												
Polychlorinated Biphenols												
Arochlor-1016	2.6	7.2	0.5	0.96								
Arochlor-1221	0.33	1.3	0.5	0.0068								
Arochlor-1232	0.33	1.3	0.5	0.0068								
Arochlor-1242	0.33	1.3	0.5	0.034								
Arochlor-1248	0.33	1.3	0.5	0.034								
Arochlor-1254	0.33	1.3	0.5	0.034								
Arochlor-1260	0.33	1.3	0.5	0.034								
pH												
pH												
TDS												
Total Dissolved Solids						384000			143000			

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	Spring at Bldg 14 S1 9/5/2008	Spring at Bldg 14 S1 6/25/2010	Spring at Bldg 14 S2 4/30/2008	Spring at Bldg 14 S2 9/5/2008	Spring at Bldg 14 S2 7/9/2010	TATE (S-6) 3/11/1992	TATE (S-6) 6/12/1992	TATE (S-6) 9/30/1992
Total Organic Carbons												
Total Organic Carbon												
Petroleum Hydrocarbons												
Petroleum Hydrocarbons (TPH)												

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	TATE (S-6) 11/13/1992	TATE (S-6) 12/23/1992	TATE (S-6) 2/24/1993	TATE (S-6) 6/22/1993	TATE (S-6) 8/30/1993	TATE (S-6) 11/30/1993	TATE (S-6) 2/28/1994	TATE (S-6) 4/5/1994	TATE (S-6) 7/15/1994	TATE (S-6) 11/14/1994	TATE (S-6) 6/7/1995	TATE (S-6) 9/4/1996
Alkalinity																
ALKALINITY, TOTAL																
Anions																
Chloride		250000														
Nitrate As N	10000	10000	10000	58000												
Orthophosphate As P																
Sulfate																
Conductivity																
Specific Conductance																
Cyanide																
Cyanide, Free	200	200	200	730												
Cyanide, Total	200	200		730												
Cyanide, Free																
Cyanide, Free	200	200	200	730	U	U	U	U	U	U	U	U	5 U	5 U	10 U	5 U
Cyanide, Total																
Cyanide, Total	200	200		730	U	U	U	U	U	U	U	U	5 U	5 U	10 U	5 U
Hardness																
Hardness, As CaCO3																
Other																
ALKALINITY, BICARBONATE																
ALKALINITY, TOTAL																
Bromide																
Carbonate																
Chloride		250000														
Dissolved Oxygen																
Fluoride	4000	4000		1500												
Hardness, As CaCO3																
Nitrate/Nitrite-Nitogen		1000	1000	3700												
pH																
Silica																
Specific Conductance																
Sulfate																
Total Dissolved Solids																
Total Suspended Solids																
Polychlorinated Biphenols																
Arochlor-1016	2.6	7.2	0.5	0.96												
Arochlor-1221	0.33	1.3	0.5	0.0068												
Arochlor-1232	0.33	1.3	0.5	0.0068												
Arochlor-1242	0.33	1.3	0.5	0.034												
Arochlor-1248	0.33	1.3	0.5	0.034												
Arochlor-1254	0.33	1.3	0.5	0.034												
Arochlor-1260	0.33	1.3	0.5	0.034												
pH																
pH																
TDS																
Total Dissolved Solids																

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	TATE (S-6) 11/13/1992	TATE (S-6) 12/23/1992	TATE (S-6) 2/24/1993	TATE (S-6) 6/22/1993	TATE (S-6) 8/30/1993	TATE (S-6) 11/30/1993	TATE (S-6) 2/28/1994	TATE (S-6) 4/5/1994	TATE (S-6) 7/15/1994	TATE (S-6) 11/14/1994	TATE (S-6) 6/7/1995	TATE (S-6) 9/4/1996
Total Organic Carbons																
Total Organic Carbon																
Petroleum Hydrocarbons																
Petroleum Hydrocarbons (TPH)																

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	TATE (S-6) 12/3/1996	TATE (S-6) 3/6/1997	TATE (S-6) 6/4/1997	TATE (S-6) 2/27/2004	TATE (S-6) 5/28/2004	TATE (S-6) 8/27/2004	TATE (S-6) 9/22/2004	TATE (S-6) 11/24/2004	TATE (S-6) 3/1/2005	TATE (S-6) 5/17/2005	TATE (S-6) 8/18/2005	TATE (S-6) 11/15/2005
Alkalinity																
ALKALINITY, TOTAL																
Anions																
Chloride		250000														
Nitrate As N	10000	10000	10000	58000												
Orthophosphate As P																
Sulfate																
Conductivity																
Specific Conductance																
Cyanide																
Cyanide, Free	200	200	200	730				5 U	5 U		5 U	5 U	5 U	5 U	5 U	
Cyanide, Total	200	200		730				5 U	5 U	10 U		5 U	5 U	5 U	5 U	
Cyanide, Free																
Cyanide, Free	200	200	200	730	5 U	5 U	5 U									10 U
Cyanide, Total																
Cyanide, Total	200	200		730	5 U	5 U	5 U									5 JB
Hardness																
Hardness, As CaCO3																
Other																
ALKALINITY, BICARBONATE																
ALKALINITY, TOTAL																
Bromide																
Carbonate																
Chloride		250000														
Dissolved Oxygen																
Fluoride	4000	4000		1500												
Hardness, As CaCO3																
Nitrate/Nitrite-Nitogen		1000	1000	3700												
pH																
Silica																
Specific Conductance																
Sulfate																
Total Dissolved Solids																
Total Suspended Solids																
Polychlorinated Biphenols																
Arochlor-1016	2.6	7.2	0.5	0.96												
Arochlor-1221	0.33	1.3	0.5	0.0068												
Arochlor-1232	0.33	1.3	0.5	0.0068												
Arochlor-1242	0.33	1.3	0.5	0.034												
Arochlor-1248	0.33	1.3	0.5	0.034												
Arochlor-1254	0.33	1.3	0.5	0.034												
Arochlor-1260	0.33	1.3	0.5	0.034												
pH																
pH																
TDS																
Total Dissolved Solids																

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	TATE (S-6) 12/3/1996	TATE (S-6) 3/6/1997	TATE (S-6) 6/4/1997	TATE (S-6) 2/27/2004	TATE (S-6) 5/28/2004	TATE (S-6) 8/27/2004	TATE (S-6) 9/22/2004	TATE (S-6) 11/24/2004	TATE (S-6) 3/1/2005	TATE (S-6) 5/17/2005	TATE (S-6) 8/18/2005	TATE (S-6) 11/15/2005
Total Organic Carbons																
Total Organic Carbon																
Petroleum Hydrocarbons																
Petroleum Hydrocarbons (TPH)																

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	TATE (S-6) 2/16/2006	TATE (S-6) 5/19/2006	TATE (S-6) 8/9/2006	TATE (S-6) 11/4/2006	TATE (S-6) 2/13/2007	TATE (S-6) 5/10/2007	TATE (S-6) 5/14/2008	TATE (S-6) 6/26/2009	B41S-SW-009 2/8/2008	MC-1 10/27/1995	MC-1 10/27/1995
Alkalinity															
ALKALINITY, TOTAL															
Anions															
Chloride		250000													
Nitrate As N	10000	10000	10000	58000											4500
Orthophosphate As P															
Sulfate															
Conductivity															
Specific Conductance															
Cyanide															
Cyanide, Free	200	200	200	730										0 U	
Cyanide, Total	200	200		730											
Cyanide, Free															
Cyanide, Free	200	200	200	730	10 U	2 U	2 U	2 U	2 U	2 U	10 U	2.3 B J	23		20
Cyanide, Total															
Cyanide, Total	200	200		730	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4500		20
Hardness															
Hardness, As CaCO3															
Other															
ALKALINITY, BICARBONATE														120000	
ALKALINITY, TOTAL															120000
Bromide															500 U
Carbonate															5000 U
Chloride		250000												29000	29000
Dissolved Oxygen															
Fluoride	4000	4000		1500										80	80
Hardness, As CaCO3														150000	160000
Nitrate/Nitrite-Nitogen		1000	1000	3700										4700	
pH														8.15 SU	8.15 SU
Silica														300	300
Specific Conductance														460 umhos/cm	460 umhos/cm
Sulfate														22000	24000
Total Dissolved Solids															230000
Total Suspended Solids															
Polychlorinated Biphenols															
Arochlor-1016	2.6	7.2	0.5	0.96									0.38 U		
Arochlor-1221	0.33	1.3	0.5	0.0068									0.38 U		
Arochlor-1232	0.33	1.3	0.5	0.0068									0.38 U		
Arochlor-1242	0.33	1.3	0.5	0.034									0.38 U		
Arochlor-1248	0.33	1.3	0.5	0.034									0.38 U		
Arochlor-1254	0.33	1.3	0.5	0.034									0.38 U		
Arochlor-1260	0.33	1.3	0.5	0.034									0.38 U		
pH															
pH															
TDS															
Total Dissolved Solids															

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	TATE (S-6) 2/16/2006	TATE (S-6) 5/19/2006	TATE (S-6) 8/9/2006	TATE (S-6) 11/4/2006	TATE (S-6) 2/13/2007	TATE (S-6) 5/10/2007	TATE (S-6) 5/14/2008	TATE (S-6) 6/26/2009	B41S-SW-009 2/8/2008	MC-1 10/27/1995	MC-1 10/27/1995
Total Organic Carbons															
Total Organic Carbon															
Petroleum Hydrocarbons															
Petroleum Hydrocarbons (TPH)															

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MC-1 Dup 10/27/1995	MC-5 10/27/1995	MC-5 10/27/1995	PSWS-1 6/8/1998
Alkalinity								
ALKALINITY, TOTAL								
Anions								
Chloride		250000						
Nitrate As N	10000	10000	10000	58000	320	4500		
Orthophosphate As P								
Sulfate								
Conductivity								
Specific Conductance								
Cyanide								
Cyanide, Free	200	200	200	730			0 U	0 U
Cyanide, Total	200	200		730			0 U	0 U
Cyanide, Free								
Cyanide, Free	200	200	200	730	5 U	5 U		
Cyanide, Total								
Cyanide, Total	200	200		730	5 U	5 U		
Hardness								
Hardness, As CaCO3								
Other								
ALKALINITY, BICARBONATE								
ALKALINITY, TOTAL					160000	120000		
Bromide					500 U	500 U	0 U	
Carbonate					5000 U	5000 U	0 U	
Chloride		250000			34000	29000		8600
Dissolved Oxygen								
Fluoride	4000	4000		1500	80	80	80	
Hardness, As CaCO3					180000	150000	150000	
Nitrate/Nitrite-Nitogen		1000	1000	3700			4500	
pH					7.96 SU	8.13 SU		
Silica					300	300	300	
Specific Conductance					510 umhos/cm	460 umhos/cm	460 umhos/cm	
Sulfate					39000	23000	23000	0 U
Total Dissolved Solids					250000	230000		
Total Suspended Solids								
Polychlorinated Biphenols								
Arochlor-1016	2.6	7.2	0.5	0.96				
Arochlor-1221	0.33	1.3	0.5	0.0068				
Arochlor-1232	0.33	1.3	0.5	0.0068				
Arochlor-1242	0.33	1.3	0.5	0.034				
Arochlor-1248	0.33	1.3	0.5	0.034				
Arochlor-1254	0.33	1.3	0.5	0.034				
Arochlor-1260	0.33	1.3	0.5	0.034				
pH								
pH								
TDS								
Total Dissolved Solids								

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MC-1 Dup 10/27/1995	MC-5 10/27/1995	MC-5 10/27/1995	PSWS-1 6/8/1998
Total Organic Carbons								
Total Organic Carbon								
Petroleum Hydrocarbons								
Petroleum Hydrocarbons (TPH)								

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	PSWS-1 3/22/2000	PSWS-2 6/8/1998	PSWS-2 3/22/2000	UTSWS-1 6/8/1998	UTSWS-1 3/22/2000	UTSWS-2 6/9/1998	UTSWS-2 3/22/2000	UTSWS-3 6/9/1998	UTSWS-3 3/22/2000	WWPL-SW-001 8/27/2007	WWPL-SW-001 Dup 8/27/2007	WWPL-SW-002 8/27/2007
Cyanide																
Cyanide, Free	200	200	200	730	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U			
Cyanide, Total	200	200		730	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U			
Cyanide, Free																
Cyanide, Free	200	200	200	730										10 U	10 U	10 U
Cyanide, Total																
Cyanide, Total	200	200		730										10 U	10 U	10 U
Other																
Chloride		250000			11000	8500	10000	12000	25000	11000	13000	27000	22000			
pH																
Specific Conductance																
Sulfate					6800	0 U	12000	0 U	17000	0 U	19000	25000	22000			

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2.4-6
Groundwater Data Summary - Other Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	WWPL-SW-003 8/27/2007	WWPL-SW-004 8/28/2007	WWPL-SW-005 8/27/2007	TWB-6 7/13/1995
Cyanide								
Cyanide, Free	200	200	200	730				
Cyanide, Total	200	200		730				
Cyanide, Free								
Cyanide, Free	200	200	200	730	10 U	10 U	10 U	
Cyanide, Total								
Cyanide, Total	200	200		730	10 U	10 U	10 U	
Other								
Chloride		250000						
pH								7.26 SU
Specific Conductance								630 umhos/cm
Sulfate								

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.