

Table 2.3-1A
Codorus Creek VOC Sample Results
former York Naval Ordnance Plant - York, PA

Table 2.3-1A
Codorus Creek VOC Sample Results
Former York Naval Ordnance Plant - York, PA

Location/ID	Water Quality	Human	Fish & Aquatic Life		COD-SW-6	COD-SW-6	COD-SW-6	COD-SW-6	COD-SW-6	COD-SW-6	COD-SW-6	COD-SW-6	COD-SW-6	COD-SW-6	COD-SW-6	COD-SW-6	COD-SW-6	COD-SW-6	COD-SW-7								
Depth (ft.)	Criteria for Health	Continuous Criteria	Maximun Criteria	Concentration	Concentration	10/20/14	11/3/14	11/20/14	12/3/14	12/22/14	1/13/15	3/10/15	3/24/15	4/21/15	5/20/15	6/15/15	7/15/15	8/14/15	9/15/15	8/22/13	8/22/13	9/26/13	11/21/13	1/17/14	1/23/14	2/4/14	2/20/14
Sample Date	Toxic Substances	Criteria	Concentration	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
Parameter																											
VOCs (ug/L)																											
1,1,1,2-Tetrachloroethane	NS	NS	NS	NS	NS	1.0U	1.0U	1U	1U																		
1,1,1-Trichloroethane	610	NS	610	3000	1.0U	1.0U	1U	1U																			
1,1,2,2-Tetrachloroethane	0.17	0.17	210	1000	1.0U	1.0U	1U	1U																			
1,1,2-Trichloroethane	0.59	0.59	680	3400	1.0U	1.0U	1U	1U																			
1,1-Dichloroethane	NS	NS	NS	1.0U	1.0U	1U	1U																				
1,1-Dichloroethene	33	33	1500	7500	1.0U	1.0U	1U	1U																			
1,2-Dibromoethane	NS	NS	NS	1.0U	1.0U	1U	1U																				
1,2-Dichloroethane	0.38	0.38	3100	15000	1.0U	1.0U	1U	1U																			
1,2-Dichloropropane	2200	NS	2200	11000	1.0U	1.0U	1U	1U																			
1,4-Dioxane	NS	NS	NS	200U	200U	200U	200U	200U	200U	200U	200U	200U	200U	200U	200U	200U	200U	200UJ	200U								
2-Butanone	21000	21000	32000	230000	5.0U	5.0U	5U	5UJ	5U	5U	5U	5U	5U	5U	5U												
2-Hexanone	4300	NS	4300	21000	5.0U	5.0U	5U	5UJ	5U	5U																	
4-Methyl-2-Pentanone	5000	NS	5000	26000	5.0U	5.0U	5U	5UJ	5U	5U	5U	5U	5U	5U	5U												
Acetone	3500	3500	86000	450000	5.0U	5.0U	5U	5U	5U	5U	5U	2.9J	5U	2.6J	5UJ	2.7J	4.3J	5U	5UJ	5U	5U	5U	5U	5U	5U	3.1J	
Acrylonitrile	0.051	0.051	130	650	20U	20U	20U	20U	20U	20U	20U	20U	20U	20U	20U	20U	20U	20U	20U	20U	20U	20U	20U	20U	20U	20U	
Benzene	1.2	1.2	130	640	1.0U	1.0U	1U	1U																			
Bromochloromethane	NS	NS	NS	NS	1.0U	1.0U	1U	1U																			
Bromodichloromethane	0.55	0.55	NS	NS	1.0U	1.0U	1U	1U																			
Bromoform	4.3	4.3	370	1800	1.0U	1.0U	1U	1U																			
Bromomethane	47	47	110	550	1.0U	1.0U	1U	1U																			
Carbon Disulfide	NS	NS	NS	NS	1.0U	1.0U	1U	1U																			
Carbon Tetrachloride	0.23	0.23	560	2800	1.0U	1.0U	1U	1UJ	1U	1U																	
Chlorobenzene	130	130	240	1200	1.0U	1.0U	1U	1U																			
Chlorodibromomethane	0.4	0.4	NS	NS	1.0U	1.0U	1U	1U																			
Chloroethane	NS	NS	NS	NS	1.0U	1.0U	1U	1U																			
Chloroform	5.7	5.7	390	1900	1.0U	1.0U	1U	1U																			
Chloromethane	5500	NS	5500	2																							

Table 2.3-1A
Codorus Creek VOC Sample Results
Former York Naval Ordnance Plant - York, PA

Location/ID	Water Quality	Human	Fish & Aquatic Life		COD-SW-7																							
Depth (ft.)	Criteria for Health	Continuous Criteria	Maximun Criteria																									
Sample Date	Toxic Substances	Criteria	Concentration	Concentration	3/4/14	3/17/14	4/22/14	5/6/14	5/20/14	6/2/14	6/26/14	6/30/14	7/15/14	8/8/14	8/25/14	9/8/14	9/22/14	10/6/14	10/20/14	11/3/14	11/20/14	12/3/14	12/22/14	1/13/15	3/10/15	3/24/15		
Parameter		ug/L	ug/L	ug/L																								
VOCs (ug/L)																												
1,1,1,2-Tetrachloroethane	NS	NS	NS	NS	1U																							
1,1,1-Trichloroethane	610	NS	610	3000	1U																							
1,1,2,2-Tetrachloroethane	0.17	0.17	210	1000	1U																							
1,1,2-Trichloroethane	0.59	0.59	680	3400	1U																							
1,1-Dichloroethane	NS	NS	NS	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
1,1-Dichloroethene	33	33	1500	7500	1U																							
1,2-Dibromoethane	NS	NS	NS	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
1,2-Dichloroethane	0.38	0.38	3100	15000	1U																							
1,2-Dichloropropane	2200	NS	2200	11000	1U																							
1,4-Dioxane	NS	NS	NS	200U	200U	200U	200U	200U	200U	200U	200U	200U	200U	200U	200U	200U	200U	200U	200U	200U	200U	200U	200U	200U	200U	200U		
2-Butanone	21000	21000	32000	230000	5U																							
2-Hexanone	4300	NS	4300	21000	5U																							
4-Methyl-2-Pentanone	5000	NS	5000	26000	5U																							
Acetone	3500	3500	86000	450000	5U	5U	5U	2.9J	5U	5U	5U	5U	5U	5U	3J	5U	2.8J	5U	2.8J	5U	3.2J	5U	5U	5U	5U	4.1J	5U	
Acrylonitrile	0.051	0.051	130	650	20U																							
Benzene	1.2	1.2	130	640	1U																							
Bromochloromethane	NS	NS	NS	NS	1U																							
Bromodichloromethane	0.55	0.55	NS	NS	1U																							
Bromoform	4.3	4.3	370	1800	1U																							
Bromomethane	47	47	110	550	1U																							
Carbon Disulfide	NS	NS	NS	NS	1U																							
Carbon Tetrachloride	0.23	0.23	560	2800	1U																							
Chlorobenzene	130	130	240	1200	1U																							
Chlorodibromomethane	0.4	0.4	NS	NS	1U																							
Chloroethane	NS	NS	NS	NS	1U																							
Chloroform	5.7	5.7	390	1900	1U																							
Chloromethane	5500	NS	5500	28000	1U																							
cis-1,2-Dichloroethene	12	12	NS</																									

Table 2.3-1A
Codorus Creek VOC Sample Results
Former York Naval Ordnance Plant - York, PA

Location/ID	Water Quality	Human	Fish & Aquatic Life		COD-SW-7	COD-SW-7	COD-SW-7	COD-SW-7	COD-SW-7	COD-SW-8																	
Depth (ft.)	Criteria for Health	Continuous Criteria	Maximun Criteria																								
Sample Date	Toxic Substances	Criteria	Concentration	Concentration	4/21/15	5/20/15	6/15/15	7/15/15	8/14/15	9/15/15	8/22/13	8/22/13	9/26/13	11/21/13	1/17/14	1/23/14	2/4/14	2/20/14	3/4/14	3/17/14	4/21/14	5/6/14	5/19/14	6/2/14	6/26/14	6/30/14	
Parameter		ug/L	ug/L	ug/L																							
VOCs (ug/L)																											
1,1,1,2-Tetrachloroethane	NS	NS	NS	NS	1.0U	1U	1U																				
1,1,1-Trichloroethane	610	NS	610	3000	1.0U	1U	1U																				
1,1,2,2-Tetrachloroethane	0.17	0.17	210	1000	1.0U	1U	1U																				
1,1,2-Trichloroethane	0.59	0.59	680	3400	1.0U	1U	1U																				
1,1-Dichloroethane	NS	NS	NS	1.0U	1U	1U																					
1,1-Dichloroethene	33	33	1500	7500	1.0U	1U	1U																				
1,2-Dibromoethane	NS	NS	NS	1.0U	1U	1U																					
1,2-Dichloroethane	0.38	0.38	3100	15000	1.0U	1U	1U																				
1,2-Dichloropropane	2200	NS	2200	11000	1.0U	1U	1U																				
1,4-Dioxane	NS	NS	NS	200U	200U	200U	200U	200U	200UJ	200U																	
2-Butanone	21000	21000	32000	230000	5.0U	5U	5U																				
2-Hexanone	4300	NS	4300	21000	5.0U	5U	5U	5U	5U	5UJ	5U	5U															
4-Methyl-2-Pentanone	5000	NS	5000	26000	5.0U	5U	5U																				
Acetone	3500	3500	86000	450000	5.0U	5U	3.6J	5U	2.5J	2.8J	5U	5U															
Acrylonitrile	0.051	0.051	130	650	20U	20U																					
Benzene	1.2	1.2	130	640	1.0U	1U	1U	1U																			
Bromochloromethane	NS	NS	NS	NS	1.0U	1U	1U	1U																			
Bromodichloromethane	0.55	0.55	NS	NS	1.0U	1U	1U	1U																			
Bromoform	4.3	4.3	370	1800	1.0U	1U	1U	1U																			
Bromomethane	47	47	110	550	1.0U	1U	1U	1U																			
Carbon Disulfide	NS	NS	NS	NS	1.0U	1U	1U	1U																			
Carbon Tetrachloride	0.23	0.23	560	2800	1.0U	1U	1U	1U																			
Chlorobenzene	130	130	240	1200	1.0U	1U	1U	1U																			
Chlorodibromomethane	0.4	0.4	NS	NS	1.0U	1U	1U	1U																			
Chloroethane	NS	NS	NS	NS	1.0U	1U	1U	1U																			
Chloroform	5.7	5.7	390	1900	1.0U	1U	1U	1U																			
Chloromethane	5500	NS	5500	28000	1.0U	1U	1U	1U	1U	1UJ	1UJ	1U	1U	1U													
cis-1,2-Dichloroethene	12	12	NS	NS	1.0U	1U	1U	1U	1U	1U	0.3J	0.32J	0.25J	0.32J	0.27J	0.41J	0.32J	0.29J									

Table 2.3-1A
Codorus Creek VOC Sample Results
Former York Naval Ordnance Plant - York, PA

Location/ID	Water Quality	Human	Fish & Aquatic Life		COD-SW-8	COD-SW-9	COD-SW-9																		
Depth (ft.)	Criteria for Health	Continuous Criteria	Maximun Criteria																						
Sample Date	Toxic Substances	Criteria	Concentration	Concentration	7/14/14	8/8/14	8/25/14	9/8/14	9/22/14	10/7/14	10/21/14	11/3/14	11/20/14	12/3/14	12/22/14	1/13/15	3/10/15	3/24/15	4/21/15	5/20/15	6/15/15	7/15/15	8/14/15	9/15/15	8/22/13
Parameter		ug/L	ug/L	ug/L																					
VOCs (ug/L)																									
1,1,1,2-Tetrachloroethane	NS	NS	NS	NS	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U												
1,1,1-Trichloroethane	610	NS	610	3000	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U												
1,1,2,2-Tetrachloroethane	0.17	0.17	210	1000	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1UJ	1.0U	1U	1U	1U	1U	1U	1U	
1,1,2-Trichloroethane	0.59	0.59	680	3400	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U												
1,1-Dichloroethane	NS	NS	NS	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U													
1,1-Dichloroethene	33	33	1500	7500	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U												
1,2-Dibromoethane	NS	NS	NS	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U													
1,2-Dichloroethane	0.38	0.38	3100	15000	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U												
1,2-Dichloropropane	2200	NS	2200	11000	1U	1U	1U	1.0U	1U	1.0U	1U	0.14J	1U												
1,4-Dioxane	NS	NS	NS	200U	200U	200U	200U	200U	200U	200U	200U	200U	200U	200U	200U	200U	200U	200U	200U	200U	200U	200U	200U		
2-Butanone	21000	21000	32000	230000	5U	5U	5U	5.0U	5U	5.0U	5U	5U	5U												
2-Hexanone	4300	NS	4300	21000	5U	5U	5U	5.0U	5U	5.0U	5U	5U	5U												
4-Methyl-2-Pentanone	5000	NS	5000	26000	5U	5U	5U	5.0U	5U	5.0U	5U	5U	5U												
Acetone	3500	3500	86000	450000	5U	3J	5U	5.0U	5.4	2.7J	5U	5.0U	5U	5U	5U	5U	4J	5U	5.0U	5U	5U	3.7J	5U	5U	2.7J
Acrylonitrile	0.051	0.051	130	650	20U	20U	20U																		
Benzene	1.2	1.2	130	640	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U												
Bromochloromethane	NS	NS	NS	NS	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U												
Bromodichloromethane	0.55	0.55	NS	NS	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U												
Bromoform	4.3	4.3	370	1800	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U												
Bromomethane	47	47	110	550	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U												
Carbon Disulfide	NS	NS	NS	NS	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U												
Carbon Tetrachloride	0.23	0.23	560	2800	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U												
Chlorobenzene	130	130	240	1200	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U												
Chlorodibromomethane	0.4	0.4	NS	NS	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U												
Chloroethane	NS	NS	NS	NS	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U												
Chloroform	5.7	5.7	390	1900	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U												
Chloromethane	5500	NS	5500	28000	1U	1U	1U	1.0U	1U	1.0U	1U	1UJ	1UJ	1UJ	1UJ										
cis-1,2-Dichloroethene	12	12	NS	NS	0.33J	1U	0.59J	0.59J	0.63J	0.71J	0.79J	0.82J	0.82J	0.58J	0.8J	0.4J	1U	0.27J	0.24J	1U	0.25J	1U	0.27J	0.3J	
cis-1,3-Dichloropropene	NS	NS	NS	NS	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U												
Ethylbenzene	530	530	580	2900	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U												
Methyl tert-butyl ether	NS	NS	NS	NS	1U	1U	1U	1.0U	1U	1.0U															

Table 2.3-1A
Codorus Creek VOC Sample Results
Former York Naval Ordnance Plant - York, PA

Location/ID	Water Quality	Human	Fish & Aquatic Life		COD-SW-9																						
Depth (ft.)	Criteria for Health	Continuous Criteria	Maximun Criteria																								
Sample Date	Toxic Substances	Criteria	Concentration	Concentration	9/26/13	11/21/13	1/17/14	1/27/14	2/4/14	2/20/14	3/4/14	3/17/14	4/22/14	5/7/14	5/20/14	6/6/14	6/26/14	6/30/14	7/15/14	8/8/14	8/25/14	9/8/14	9/22/14	10/6/14	10/21/14	11/3/14	
Parameter		ug/L	ug/L	ug/L																							
VOCs (ug/L)																											
1,1,1,2-Tetrachloroethane	NS	NS	NS	NS	1U	1U																					
1,1,1-Trichloroethane	610	NS	610	3000	1U	1U																					
1,1,2,2-Tetrachloroethane	0.17	0.17	210	1000	1U	1U																					
1,1,2-Trichloroethane	0.59	0.59	680	3400	1U	1U																					
1,1-Dichloroethane	NS	NS	NS	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
1,1-Dichloroethene	33	33	1500	7500	1U	1U																					
1,2-Dibromoethane	NS	NS	NS	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
1,2-Dichloroethane	0.38	0.38	3100	15000	1U	1U																					
1,2-Dichloropropane	2200	NS	2200	11000	1U	1U																					
1,4-Dioxane	NS	NS	NS	200U	200U	200U	200U	200U	200U	200U	200U	200U	200U	200U	200U	200R	200U										
2-Butanone	21000	21000	32000	230000	5U	5U																					
2-Hexanone	4300	NS	4300	21000	5U	5U																					
4-Methyl-2-Pentanone	5000	NS	5000	26000	5U	5U																					
Acetone	3500	3500	86000	450000	5U	3.6J	5U	5U	3.8J	5U	2.7J	5U	5.0U	2.7J	5.0U												
Acrylonitrile	0.051	0.051	130	650	20U	20U																					
Benzene	1.2	1.2	130	640	1U	1U	1U																				
Bromochloromethane	NS	NS	NS	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
Bromodichloromethane	0.55	0.55	NS	NS	1U	1U	1U																				
Bromoform	4.3	4.3	370	1800	1U	1U	1U																				
Bromomethane	47	47	110	550	1U	1U	1U																				
Carbon Disulfide	NS	NS	NS	NS	1U	1U	1U																				
Carbon Tetrachloride	0.23	0.23	560	2800	1U	1U	1U																				
Chlorobenzene	130	130	240	1200	1U	1U	1U																				
Chlorodibromomethane	0.4	0.4	NS	NS	1U	1U	1U																				
Chloroethane	NS	NS	NS	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Chloroform	5.7	5.7	390	1900	1U	1U	1U																				
Chloromethane	5500	NS	5500	28000	1U	1U	1U																				
cis-1,2-Dichloroethene	12	12	NS	NS	0.24J	0.24J	0.28J	0.29J	0.25J	0.3J	0.28J	1U	0.32J	1U	1U	1U	1U	0.35J	1U	0.28J	0.37J	0.33					

Table 2.3-1A
Codorus Creek VOC Sample Results
Former York Naval Ordnance Plant - York, PA

Table 2.3-1A
Codorus Creek VOC Sample Results
former York Naval Ordnance Plant - York, PA

Table 2.3-1A
Codorus Creek VOC Sample Results
Former York Naval Ordnance Plant - York, PA

Location/ID	Water Quality	Human	Fish & Aquatic Life		COD-SW-11																			
Depth (ft.)	Criteria for Health	Continuous Criteria	Maximun Criteria																					
Sample Date	Toxic Substances	Criteria	Concentration	Concentration	5/6/14	5/20/14	6/2/14	6/26/14	6/30/14	7/15/14	8/8/14	8/25/14	9/8/14	9/22/14	10/6/14	10/20/14	11/3/14	11/20/14	12/3/14	12/22/14	1/13/15	3/10/15	3/24/15	4/21/15
Parameter		ug/L	ug/L	ug/L																				
VOCs (ug/L)																								
1,1,1,2-Tetrachloroethane	NS	NS	NS	NS	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1.0U	1.0U	1U	1.0U							
1,1,1-Trichloroethane	610	NS	610	3000	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1.0U	1.0U	1U	1.0U							
1,1,2,2-Tetrachloroethane	0.17	0.17	210	1000	1U	1U																		
1,1,2-Trichloroethane	0.59	0.59	680	3400	1U	1U																		
1,1-Dichloroethane	NS	NS	NS	NS	1U	1U																		
1,1-Dichloroethene	33	33	1500	7500	1U	1U																		
1,2-Dibromoethane	NS	NS	NS	NS	1U	1U																		
1,2-Dichloroethane	0.38	0.38	3100	15000	1U	1U																		
1,2-Dichloropropane	2200	NS	2200	11000	1U	1.0U																		
1,4-Dioxane	NS	NS	NS	NS	200U	200U																		
2-Butanone	21000	21000	32000	230000	5U	5U																		
2-Hexanone	4300	NS	4300	21000	5U	5U																		
4-Methyl-2-Pentanone	5000	NS	5000	26000	5U	5U																		
Acetone	3500	3500	86000	450000	5U	2.9J	5.0U	5.0U	5.0U	5U	5U	5U	5U											
Acrylonitrile	0.051	0.051	130	650	20U	20U																		
Benzene	1.2	1.2	130	640	1U	1U																		
Bromochloromethane	NS	NS	NS	NS	1U	1U																		
Bromodichloromethane	0.55	0.55	NS	NS	1U	1U																		
Bromoform	4.3	4.3	370	1800	1U	1U																		
Bromomethane	47	47	110	550	1U	1U																		
Carbon Disulfide	NS	NS	NS	NS	1U	1U																		
Carbon Tetrachloride	0.23	0.23	560	2800	1U	1U																		
Chlorobenzene	130	130	240	1200	1U	1U																		
Chlorodibromomethane	0.4	0.4	NS	NS	1U	1U																		
Chloroethane	NS	NS	NS	NS	1U	1U																		
Chloroform	5.7	5.7	390	1900	1U	1U	1U	1U	1U	1U	0.26J	1U	1U	1U	0.2J	1.0U	1.0U	1.0U	1U	1U	1U	1U	0.18J	
Chloromethane	5500	NS	5500	28000	1U	1U																		
cis-1,2-Dichloroethene	12	12	NS	NS	1U	1U																		
cis-1,3-Dichloropropene	NS	NS	NS	NS	1U	1U																		
Ethylbenzene	530	530	580	2900	1U	1U																		
Methyl tert-butyl ether	NS	NS	NS	NS	1U	1U																		
Methylene chloride	4.6	4.6	2400	12000	1U	0.84J	1.0U	1.0U	1.0U	1U	1U	1U	1U	1.0U										
Styrene	NS	NS	NS	NS	1U	1U	1U	1U																

Table 2.3-1A
Codorus Creek VOC Sample Results
Former York Naval Ordnance Plant - York, PA

Location/ID	Water Quality	Human	Fish & Aquatic Life		COD-SW-11	COD-SW-11	COD-SW-11	COD-SW-12																
Depth (ft.)	Criteria for Health	Continuous Criteria	Maxunum Criteria																					
Sample Date	Toxic Substances	Criteria	Concentration	Concentration	5/20/15	6/15/15	7/15/15	8/14/15	8/22/13	1/24/14	2/20/14	3/17/14	4/22/14	5/6/14	5/20/14	6/6/14	6/26/14	6/30/14	7/15/14	8/8/14	8/25/14	9/8/14	9/22/14	10/6/14
Parameter		ug/L	ug/L	ug/L																				
VOCs (ug/L)																								
1,1,1,2-Tetrachloroethane	NS	NS	NS	NS	1U	1.0U	1U	1.0U																
1,1,1-Trichloroethane	610	NS	610	3000	1U	1.0U	1U	1.0U																
1,1,2,2-Tetrachloroethane	0.17	0.17	210	1000	1U	1.0U	1U	1.0U																
1,1,2-Trichloroethane	0.59	0.59	680	3400	1U	1.0U	1U	1.0U																
1,1-Dichloroethane	NS	NS	NS	NS	1U	1.0U	1U	1.0U																
1,1-Dichloroethene	33	33	1500	7500	1U	1.0U	1U	1.0U																
1,2-Dibromoethane	NS	NS	NS	NS	1U	1.0U	1U	1.0U																
1,2-Dichloroethane	0.38	0.38	3100	15000	1U	1.0U	1U	1.0U																
1,2-Dichloropropane	2200	NS	2200	11000	1U	1.0U	1U	1.0U																
1,4-Dioxane	NS	NS	NS	NS	200U	200R	200U	200U	200U	200U	200U	200U												
2-Butanone	21000	21000	32000	230000	5U	5.0U	5U	5.0U																
2-Hexanone	4300	NS	4300	21000	5U	5UJ	5U	5.0U	5U	5.0U														
4-Methyl-2-Pentanone	5000	NS	5000	26000	5U	5.0U	5U	5.0U																
Acetone	3500	3500	86000	450000	5U	3.1J	5U	5U	5U	4J	5U	5U	5U	5U										
Acrylonitrile	0.051	0.051	130	650	20U	20U	20U																	
Benzene	1.2	1.2	130	640	1U	1.0U	1U	1.0U																
Bromochloromethane	NS	NS	NS	NS	1U	1.0U	1U	1.0U																
Bromodichloromethane	0.55	0.55	NS	NS	1U	1.0U	1U	1.0U																
Bromoform	4.3	4.3	370	1800	1U	1.0U	1U	1.0U																
Bromomethane	47	47	110	550	1U	1.0U	1U	1.0U																
Carbon Disulfide	NS	NS	NS	NS	1U	0.28J	1U	1.0U																
Carbon Tetrachloride	0.23	0.23	560	2800	1U	1.0U	1U	1.0U																
Chlorobenzene	130	130	240	1200	1U	1.0U	1U	1.0U																
Chlorodibromomethane	0.4	0.4	NS	NS	1U	1.0U	1U	1.0U																
Chloroethane	NS	NS	NS	NS	1U	1.0U	1U	1.0U																
Chloroform	5.7	5.7	390	1900	1U	0.23J	0.28J	0.2J	1U	0.2J	0.27J	1U	0.19J	0.22J	1U	1.0U	1U	1.0U						
Chloromethane	5500	NS	5500	28000	1U	1U	1U	1UJ	1U	1.0U	1U	1.0U												
cis-1,2-Dichloroethene	12	12	NS	NS	1U	0.28J	1U	1U	1U	1U	1U	1.0U	1U	1.0U										
cis-1,3-Dichloropropene	NS	NS	NS	NS	1U	1.0U	1U	1.0U																
Ethylbenzene	530	530	580	2900	1U	1.0U	1U	1.0U																
Methyl tert-butyl ether	NS	NS	NS	NS	1U*	1U	1.0U	1U	1.0U															
Methylene chloride																								

Table 2.3-1A
Codorus Creek VOC Sample Results
Former York Naval Ordnance Plant - York, PA

Location/ID	Water Quality	Human	Fish & Aquatic Life		COD-SW-12	COD-SW-13	COD-SW-13	COD-SW-13	COD-SW-13	COD-SW-13														
Depth (ft.)	Criteria for Health	Continuous Criteria	Maxunum Criteria	Concentration	10/20/14	11/3/14	11/20/14	12/3/14	12/22/14	1/13/15	3/10/15	3/24/15	4/21/15	5/20/15	6/15/15	7/15/15	8/14/15	9/15/15	8/22/13	1/23/14	2/4/14	2/20/14	3/4/14	3/17/14
Sample Date	Toxic Substances	Criteria	Concentration	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
VOCs (ug/L)																								
1,1,1,2-Tetrachloroethane	NS	NS	NS	NS	1.0U	1.0U	1U	1U	1U															
1,1,1-Trichloroethane	610	NS	610	3000	1.0U	1.0U	1U	1U	1U															
1,1,2,2-Tetrachloroethane	0.17	0.17	210	1000	1.0U	1.0U	1U	1U	1U															
1,1,2-Trichloroethane	0.59	0.59	680	3400	1.0U	1.0U	1U	1U	1U															
1,1-Dichloroethane	NS	NS	NS	NS	1.0U	1.0U	1U	1U	1U															
1,1-Dichloroethene	33	33	1500	7500	1.0U	1.0U	1U	1U	1U															
1,2-Dibromoethane	NS	NS	NS	NS	1.0U	1.0U	1U	1U	1U															
1,2-Dichloroethane	0.38	0.38	3100	15000	1.0U	1.0U	1U	1U	1U															
1,2-Dichloropropane	2200	NS	2200	11000	1.0U	1.0U	1U	1U	1U															
1,4-Dioxane	NS	NS	NS	NS	200U	200U	200U																	
2-Butanone	21000	21000	32000	230000	5.0U	5.0U	5U	5U	5U															
2-Hexanone	4300	NS	4300	21000	5.0U	5.0U	5U	5U	5U															
4-Methyl-2-Pentanone	5000	NS	5000	26000	5.0U	5.0U	5U	5U	5U															
Acetone	3500	3500	86000	450000	5.0U	5.0U	5U	5U	5U															
Acrylonitrile	0.051	0.051	130	650	20U	20U	20U																	
Benzene	1.2	1.2	130	640	1.0U	1.0U	1U	1U	1U															
Bromochloromethane	NS	NS	NS	NS	1.0U	1.0U	1U	1U	1U															
Bromodichloromethane	0.55	0.55	NS	NS	1.0U	1.0U	1U	1U	1U															
Bromoform	4.3	4.3	370	1800	1.0U	1.0U	1U	1U	1U															
Bromomethane	47	47	110	550	1.0U	1.0U	1U	1U	1U															
Carbon Disulfide	NS	NS	NS	NS	1.0U	1.0U	1U	1U	1U															
Carbon Tetrachloride	0.23	0.23	560	2800	1.0U	1.0U	1U	1U	1U															
Chlorobenzene	130	130	240	1200	1.0U	1.0U	1U	1U	1U															
Chlorodibromomethane	0.4	0.4	NS	NS	1.0U	1.0U	1U	1U	1U															
Chloroethane	NS	NS	NS	NS	1.0U	1.0U	1U	1U	1U															
Chloroform	5.7	5.7	390	1900	0.17J	1.0U	1U	0.22J	1U	0.18J	0.43J	1U	0.17J	1U	1U	1U	0.2J	1U	1U	1U	1U	1U	1U	
Chloromethane	5500	NS	5500	28000	1.0U	1.0U	1U	1U	1U															
cis-1,2-Dichloroethene	12	12	NS	NS	1.0U	1.0U	1U	0.59J	0.63J	0.51J	0.39J	0.7J	1U											
cis-1,3-Dichloropropene	NS	NS	NS	NS	1.0U	1.0U	1U	1U	1U															
Ethylbenzene	530	530	580	2900	1.0U	1.0U	1U	1U	1U															
Methyl tert-butyl ether	NS	NS	NS	NS	1.0U	1.0U	1U	1U	1U															
Methylene chloride	4.6	4.6	2400	12000	1.0U	1.0U	1U																	

Table 2.3-1A
Codorus Creek VOC Sample Results
Former York Naval Ordnance Plant - York, PA

Table 2.3-1A
Codorus Creek VOC Sample Results
Former York Naval Ordnance Plant - York, PA

Table 2.3-1A
Codorus Creek VOC Sample Results
Former York Naval Ordnance Plant - York, PA

Table 2.3-1A
Codorus Creek VOC Sample Results
Former York Naval Ordnance Plant - York, PA

—ank results = not analyzed. U = Not detected. J = estimated. B = Blank contamination.

ce water Quality criteria from 25 PA Code § Chapter 93 - Water Quality Standards 9Table 5 - Water Quality Criteria for Toxic Substances

Table 2.3-1A
Codorus Creek VOC Sample Results
Former York Naval Ordnance Plant - York, PA

Location/ID	Water Quality	Human	Fish & Aquatic Life		COD-SW-16																			
Depth (ft.)	Criteria for Health	Continuous Criteria	Maximun Criteria																					
Sample Date	Toxic Substances	Criteria	Concentration	Concentration	8/8/14	8/25/14	9/8/14	9/22/14	10/6/14	10/20/14	11/3/14	11/20/14	12/3/14	12/22/14	1/13/15	3/10/15	3/24/15	4/21/15	5/20/15	6/15/15	7/15/15	8/14/15	9/15/15	8/22/13
Parameter		ug/L	ug/L	ug/L																				
VOCs (ug/L)																								
1,1,1,2-Tetrachloroethane	NS	NS	NS	NS	1U	1U	1.0U	1U	1.0U	1U	1U													
1,1,1-Trichloroethane	610	NS	610	3000	1U	1U	1.0U	1U	0.51J	0.91J	0.85J	1U	2.5											
1,1,2,2-Tetrachloroethane	0.17	0.17	210	1000	1U	1U	1.0U	1U	1.0U	1U	1U													
1,1,2-Trichloroethane	0.59	0.59	680	3400	1U	1U	1.0U	1U	1.0U	1U	1U													
1,1-Dichloroethane	NS	NS	NS	NS	1U	1U	1.0U	1U	1.0U	1U	0.59J													
1,1-Dichloroethene	33	33	1500	7500	1U	1U	1.0U	1U	1.0U	1U	0.6J													
1,2-Dibromoethane	NS	NS	NS	NS	1U	1U	1.0U	1U	1.0U	1U	1U													
1,2-Dichloroethane	0.38	0.38	3100	15000	1U	1U	1.0U	1U	1.0U	1U	1U													
1,2-Dichloropropane	2200	NS	2200	11000	1U	1U	1.0U	1U	1.0U	1U	1U													
1,4-Dioxane	NS	NS	NS	NS	200U	200U																		
2-Butanone	21000	21000	32000	230000	5U	5U	5.0U	5U	5.0U	5.0U	5.0U	5U	5U											
2-Hexanone	4300	NS	4300	21000	5U	5U	5.0U	5U	5.0U	5.0U	5.0U	5U	5U											
4-Methyl-2-Pentanone	5000	NS	5000	26000	5U	5U	5.0U	5U	5.0U	5.0U	5.0U	5U	5U											
Acetone	3500	3500	86000	450000	3.7J	5U	5.0U	3.7J	5.0U	5.0U	5.0U	5U	5U	5U	5U	5U	4.5J	5U	2.6J	5U	3J	5U	5U	5U
Acrylonitrile	0.051	0.051	130	650	20U	20U																		
Benzene	1.2	1.2	130	640	1U	1U	1.0U	1U	1.0U	1U	1U													
Bromochloromethane	NS	NS	NS	NS	1U	1U	1.0U	1U	1.0U	1U	1U													
Bromodichloromethane	0.55	0.55	NS	NS	1U	1U	1.0U	1U	1.0U	1U	1U													
Bromoform	4.3	4.3	370	1800	1U	1U	1.0U	1U	1.0U	1U	1U													
Bromomethane	47	47	110	550	1U	1U	1.0U	1U	1.0U	1U	1U													
Carbon Disulfide	NS	NS	NS	NS	1U	1U	1.0U	1U	1.0U	1U	1U													
Carbon Tetrachloride	0.23	0.23	560	2800	1U	1U	1.0U	1U	1.0U	1U	1U													
Chlorobenzene	130	130	240	1200	1U	1U	1.0U	1U	1.0U	1U	1U													
Chlorodibromomethane	0.4	0.4	NS	NS	1U	1U	1.0U	1U	1.0U	1U	1U													
Chloroethane	NS	NS	NS	NS	1U	1U	1.0U	1U	1.0U	1U	1U													
Chloroform	5.7	5.7	390	1900	1U	1U	1.0U	1U	1.0U	1U	1U													
Chloromethane	5500	NS	5500	28000	1U	1U	1.0U	1U	1.0U	1U	1U													
cis-1,2-Dichloroethene	12	12	NS	NS	0.44J	0.78J	0.98J	1.2	1.9	2.5	2.7	1	0.5J	0.83J	0.44J	1U	0.35J	1.0U	1U	0.31J	1U	0.37J	1U	7.9
cis-1,3-Dichloropropene	NS	NS	NS	NS	1U	1U	1.0U	1U	1.0U	1U	1U													
Ethylbenzene	530	530	580	2900	1U	1U	1.0U	1U	1.0U	1U	1U													
Methyl tert-butyl ether	NS	NS	NS	NS	1U	1U	1.0U	1U	1.0U	1U	1U													
Methylene chloride	4.6	4.6	2400	12000	1U	1U	1.0U	1U	1.0U	1U	1U													

Table 2.3-1A
Codorus Creek VOC Sample Results
Former York Naval Ordnance Plant - York, PA

Location/ID	Water Quality	Human	Fish & Aquatic Life		COD-SW-17																			
Depth (ft.)	Criteria for Health	Continuous Criteria	Maximun Criteria																					
Sample Date	Toxic Substances	Criteria	Concentration	Concentration	9/26/13	11/21/13	1/17/14	1/17/14	1/30/14	2/4/14	2/4/14	2/20/14	3/4/14	3/4/14	3/17/14	4/21/14	5/6/14	5/19/14	6/3/14	6/23/14	7/1/14	7/14/14	8/4/14	8/25/14
Parameter		ug/L	ug/L	ug/L			Dup							Dup										
VOCs (ug/L)																								
1,1,1,2-Tetrachloroethane	NS	NS	NS	NS	1U	1U	5U	5U	25U	2U	5U	1U	20U	1U	2U	2U	1U	1U	1U	4U	1U	1U	4U	
1,1,1-Trichloroethane	610	NS	610	3000	1U	0.9J	3.1J	6.7	24J	24	4.6J	20	25	28	22	8.7	8.7	11	9.8	7.8	4.1	1.6	6.5	
1,1,2,2-Tetrachloroethane	0.17	0.17	210	1000	1U	1U	5U	5U	25U	2U	5U	1U	20U	1U	2U	2U	1U	1U	1U	4U	1U	1U	4U	
1,1,2-Trichloroethane	0.59	0.59	680	3400	1U	1U	5U	5U	25U	2U	5U	1U	20U	1U	2U	2U	1U	1U	1U	4U	1U	1U	4U	
1,1-Dichloroethane	NS	NS	NS	NS	0.45J	1U	5U	0.61J	25U	2.5	5U	2.2	20U	2.5	3.1	2.5	1.5	1	1.1	1.4J	1.1	0.66J	0.49J	4U
1,1-Dichloroethene	33	33	1500	7500	0.57J	1U	5U	5U	25U	1.3J	5U	3.1	20U	4.4	4.6	2.8	1.7	1.1	2.2	1.6J	1.6	0.58J	0.41J	1.7J
1,2-Dibromoethane	NS	NS	NS	NS	1U	1U	5U	5U	25U	2U	5U	1U	20U	1U	2U	2U	1U	1U	1U	4U	1U	1U	4U	
1,2-Dichloroethane	0.38	0.38	3100	15000	1U	1U	5U	5U	25U	2U	5U	1U	20U	1U	2U	2U	1U	1U	1U	4U	1U	1U	4U	
1,2-Dichloropropane	2200	NS	2200	11000	1U	1U	5U	5U	25U	2U	5U	1U	20U	1U	2U	2U	1U	1U	1U	4U	1U	1U	4U	
1,4-Dioxane	NS	NS	NS	NS	200U	200U	1000U	1000U	5000U	400U	1000U	200U	4000U	200U	400U	400U	200U	200U	200U	800U	200U	200R	800U	
2-Butanone	21000	21000	32000	230000	5U	5U	25U	25U	130U	10U	25U	5U	100U	5U	10U	10U	5U	5U	20U	5U	5U	5U	20U	
2-Hexanone	4300	NS	4300	21000	5U	5U	25U	25U	130U	10U	25U	5U	100U	5U	10U	10U	5U	5U	20U	5U	5U	5U	20U	
4-Methyl-2-Pentanone	5000	NS	5000	26000	5U	5U	25U	25U	130U	10U	25U	5U	100U	5U	10U	10U	5U	5U	20U	5U	5U	5U	20U	
Acetone	3500	3500	86000	450000	5U	5U	25U	25U	130U	10U	25U	5U	100U	5U	10U	10U	5U	5U	20U	3J	5U	5U	20U	
Acrylonitrile	0.051	0.051	130	650	20U	20U	100U	100U	500U	40U	100U	20U	400U	20U	40U	40U	20U	20U	20U	80U	20U	20U	80U	
Benzene	1.2	1.2	130	640	1U	1U	5U	5U	25U	2U	5U	1U	20U	1U	2U	2U	1U	1U	1U	4U	1U	1U	4U	
Bromochloromethane	NS	NS	NS	NS	1U	1U	5U	5U	25U	2U	5U	1U	20U	1U	2U	2U	1U	1U	1U	4U	1U	1U	4U	
Bromodichloromethane	0.55	0.55	NS	NS	1U	1U	5U	5U	25U	2U	5U	1U	20U	1U	2U	2U	1U	1U	1U	4U	1U	1U	4U	
Bromoform	4.3	4.3	370	1800	1U	1U	5U	5U	25U	2U	5U	1U	20U	1U	2U	2U	1U	1U	1U	4U	1U	1U	4U	
Bromomethane	47	47	110	550	1U	1U	5U	5U	25U	2U	5U	1U	20U	1U	2U	2U	1U	1U	1U	4U	1U	1U	4U	
Carbon Disulfide	NS	NS	NS	NS	1U	1U	5U	5U	25U	2U	5U	1U	20U	1U	2U	2U	1U	1U	1U	4U	1U	1U	4U	
Carbon Tetrachloride	0.23	0.23	560	2800	1U	1U	5U	5U	25U	2U	5U	1U	20U	1U	2U	2U	1U	1U	1U	4U	1U	1U	4U	
Chlorobenzene	130	130	240	1200	1U	1U	5U	5U	25U	2U	5U	1U	20U	1U	2U	2U	1U	1U	1U	4U	1U	1U	4U	
Chlorodibromomethane	0.4	0.4	NS	NS	1U	1U	5U	5U	25U	2U	5U	1U	20U	1U	2U	2U	1U	1U	1U	4U	1U	1U	4U	
Chloroethane	NS	NS	NS	NS	1U	1U	5U	5U	25U	2U	5U	1U	20U	1U	2U	2U	1U	1U	1U	4U	1U	1U	4U	
Chloroform	5.7	5.7	390	1900	1U	1U	5U	5U	25U	2U	5U	0.25J	20U	0.28J	2U	2U	1U	1U	0.2J	4U	0.22J	1U	4U	
Chloromethane	5500	NS	5500	28000	1U	1U	5U	5U	25U	2U	5U	1U	20U	1U	2U	2U	1U	1U	1U	4U	1U	1U	4U	
cis-1,2-Dichloroethene	12	12	NS	NS	6.9	4.1	5.5	10	37	34	9.1	45	59	55	71	59	29	21	28	27	23	20	24	
cis-1,3-Dichloropropene	NS	NS	NS	NS	1U	1U	5U	5U	25U	2U	5U	1U	20U	1U	2U	2U	1U	1U	1U	4U	1U	1U	4U	
Ethylbenzene	530	530	580	2900	1U	1U	5U	5U	25U	2U	5U	1U	20U	1U	2U	2U	1U	1U	1U	4U	1U	1U	4U	
Methyl tert-butyl ether	NS	NS	NS	NS	1U	1U	5U	5U	25U	2U	5U	1U	20U	1U	2U	2U	1U	1U	1U	4U	1U	1U	4U	
Methylene chloride	4.6	4.6	2400	12000	1U	1U	5U	1.7J	25U	2U	5U	1U	6.2J											

Table 2.3-1A
Codorus Creek VOC Sample Results
Former York Naval Ordnance Plant - York, PA

Location/ID	Water Quality	Human	Fish & Aquatic Life		COD-SW-17																						
Depth (ft.)	Criteria for	Health	Continuous Criteria	Maximum Criteria																							
Sample Date	Toxic Substances	Criteria	Concentration	Concentration	8/25/14	9/8/14	9/22/14	10/6/14	10/6/14	10/20/14	11/3/14	11/3/14	11/20/14	11/20/14	12/3/14	12/3/14	12/22/14	12/22/14	1/13/15	1/13/15	3/10/15	3/10/15	3/24/15	3/24/15	4/21/15	4/21/15	5/20/15
Parameter	ug/L	ug/L	ug/L	ug/L	Dup			Dup			Dup			Dup		Dup		Dup									
VOCs (ug/L)																											
1,1,1,2-Tetrachloroethane	NS	NS	NS	NS	2U	1.0U	10U	1U	8.0U	1.0U	2.0U	2.0U	1.0U	20U	1U	2U	1U	20U	25U	2U	1U	1U	1.0U	1U			
1,1,1-Trichloroethane	610	NS	610	3000	8.4	16	17	23	14	21	22	15	17	16J	18	27	30	26	19J	27	1U	5.7	2.2	1U			
1,1,2,2-Tetrachloroethane	0.17	0.17	210	1000	2U	1.0U	10U	1U	8.0U	1.0U	2.0U	2.0U	1.0U	20U	1U	2U	1U	20U	25U	2U	1U	1U	1.0U	1U			
1,1,2-Trichloroethane	0.59	0.59	680	3400	2U	1.0U	10U	1U	8.0U	1.0U	2.0U	2.0U	1.0U	20U	1U	2U	1U	20U	25U	2U	1U	1U	1.0U	1U			
1,1-Dichloroethane	NS	NS	NS	NS	1.6J	2.4	2.8J	2.5	1.9J	2.9	2.4	1.8J	1.9	20U	2.2	2.7	2.9	20U	25U	2.7	1U	0.65J	0.41J	1U			
1,1-Dichloroethene	33	33	1500	7500	1.8J	3.6	3J	3.3	2.8J	3.1	3.0	2.5	3.3	20U	4	5.5	5.4	6.1J	25U	4.6	1U	1.1	0.66J	1U			
1,2-Dibromoethane	NS	NS	NS	NS	2U	1.0U	10U	1U	8.0U	1.0U	2.0U	2.0U	1.0U	20U	1U	2U	1U	20U	25U	2U	1U	1U	1.0U	1U			
1,2-Dichloroethane	0.38	0.38	3100	15000	2U	1.0U	10U	1U	8.0U	1.0U	2.0U	2.0U	1.0U	20U	1U	2U	1U	20U	25U	2U	1U	1U	1.0U	1U			
1,2-Dichloropropane	2200	NS	2200	11000	2U	1.0U	10U	1U	8.0U	1.0U	2.0U	2.0U	1.0U	20U	1U	2U	1U	20U	25U	2U	1U	1U	1.0U	1U			
1,4-Dioxane	NS	NS	NS	NS	400U	200U	200U	200U	1600U	200U	400U	400U	200U	4000U	200U	400U	200U	4000U	5000U	400U	200U	200U	200U	200U			
2-Butanone	21000	21000	32000	230000	10U	5.0U	50U	5U	40U	5.0U	10U	10U	5.0U	100U	5U	10U	5U	100U	130U	10U	5U	5U	5U	5U			
2-Hexanone	4300	NS	4300	21000	10U	5.0U	50U	5U	40U	5.0U	10U	10U	5.0U	100U	5U	10U	5U	100U	130U	10U	5U	5U	5U	5U			
4-Methyl-2-Pentanone	5000	NS	5000	26000	10U	5.0U	50U	5U	40U	5.0U	10U	10U	5.0U	100U	5U	10U	5U	100U	130U	10U	5U	5U	5U	5U			
Acetone	3500	3500	86000	450000	10U	5U	50U	5U	40U	5.0U	10U	10U	5.0U	100U	5U	10U	5U	100U	130U	10U	2.9J	5U	5.0U	5U			
Acrylonitrile	0.051	0.051	130	650	40U	20U	20U	20U	160U	20U	40U	40U	20U	400U	20U	40U	20U	400U	500U	40U	20U	20U	20U	20U			
Benzene	1.2	1.2	130	640	2U	1.0U	10U	1U	8.0U	1.0U	2.0U	2.0U	1.0U	20U	1U	2U	1U	20U	25U	2U	1U	1U	1.0U	1U			
Bromochloromethane	NS	NS	NS	NS	2U	1.0U	10U	1U	8.0U	1.0U	2.0U	2.0U	1.0U	20U	1U	2U	1U	20U	25U	2U	1U	1U	1.0U	1U			
Bromodichloromethane	0.55	0.55	NS	NS	2U	1.0U	10U	1U	8.0U	1.0U	2.0U	2.0U	1.0U	20U	1U	2U	1U	20U	25U	2U	1U	1U	1.0U	1U			
Bromoform	4.3	4.3	370	1800	2U	1.0U	10U	1U	8.0U	1.0U	2.0U	2.0U	1.0U	20U	1U	2U	1U	20U	25U	2U	1U	1U	1.0U	1U			
Bromomethane	47	47	110	550	2U	1.0U	10U	1U	8.0U	1.0U	2.0U	2.0U	1.0U	20U	1U	2U	1U	20U	25U	2U	1U	1U	1.0U	1U			
Carbon Disulfide	NS	NS	NS	NS	2U	1.0U	10U	1U	8.0U	1.0U	2.0U	2.0U	1.0U	20U	1U	2U	1U	20U	25U	2U	1U	1U	1.0U	1U			
Carbon Tetrachloride	0.23	0.23	560	2800	2U	1.0U	10U	1U	8.0U	1.0U	2.0U	2.0U	1.0U	20U	1U	2U	1U	20U	25U	2U	1U	1U	1.0U	1U			
Chlorobenzene	130	130	240	1200	2U	1.0U	10U	1U	8.0U	1.0U	2.0U	2.0U	1.0U	20U	1U	2U	1U	20U	25U	2U	1U	1U	1.0U	1U			
Chlorodibromomethane	0.4	0.4	NS	NS	2U	1.0U	10U	1U	8.0U	1.0U	2.0U	2.0U	1.0U	20U	1U	2U	1U	20U	25U	2U	1U	1U	1.0U	1U			
Chloroethane	NS	NS	NS	NS	2U	1.0U	10U	1U	8.0U	1.0U	2.0U	2.0U	1.0U	20U	1U	2U	1U	20U	25U	2U	1U	1U	1.0U	1U			
Chloroform	5.7	5.7	390	1900	2U	0.23J	10U	0.28J	8.0U	0.26J	2.0U	2.0U	0.25J	20U	0.22J	2U	0.3J	20U	25U	2U	1U	0.17J	1.0U	1U			
Chloromethane	5500	NS	5500	28000	2U	1.0U	10U	1U	8.0U	1.0U	2.0U	2.0U	1.0U	20U	1U	2U	1U	20U	25U	2U	1U	1U	1.0U	1U			
cis-1,2-Dichloroethene	12	12	NS	NS	30	36	43	46	40	49	48	39	36	47	39	61	50	53	47	55	1	17	11	0.98J			
cis-1,3-Dichloropropene	NS																										

Table 2.3-1A
Codorus Creek VOC Sample Results
Former York Naval Ordnance Plant - York, PA

Location/ID	Water Quality	Human	Fish & Aquatic Life		COD-SW-17	COD-SW-17	COD-SW-17	COD-SW-17	COD-SW-18	COD-SW-19	COD-SW-19	COD-SW-20												
Depth (ft.)	Criteria for Health	Continuous Criteria	Maximun Criteria																					
Sample Date	Toxic Substances	Criteria	Concentration	Concentration	5/20/15	6/15/15	7/15/15	8/14/15	9/15/15	8/22/13	9/26/13	11/21/13	9/26/13	11/21/13	1/23/14	2/20/14	3/17/14	4/21/14	5/6/14	5/20/14	6/2/14	6/26/14	6/30/14	7/14/14
Parameter		ug/L	ug/L	ug/L	Dup																			
VOCs (ug/L)																								
1,1,1,2-Tetrachloroethane	NS	NS	NS	NS	1U	1U																		
1,1,1-Trichloroethane	610	NS	610	3000	1UJ	1.3	1.8	2.7	2.8	1U	1U													
1,1,2,2-Tetrachloroethane	0.17	0.17	210	1000	1U	1U																		
1,1,2-Trichloroethane	0.59	0.59	680	3400	1U	1U																		
1,1-Dichloroethane	NS	NS	NS	1UJ	0.26J	0.36J	0.59J	0.67J	1U	1U														
1,1-Dichloroethene	33	33	1500	7500	1UJ	1U	0.74J	0.88J	0.84J	1U	1U													
1,2-Dibromoethane	NS	NS	NS	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
1,2-Dichloroethane	0.38	0.38	3100	15000	1U	1U																		
1,2-Dichloropropane	2200	NS	2200	11000	1U	1U																		
1,4-Dioxane	NS	NS	NS	200U	200U	200U	200U	200U	200U	200U	200U	200U	200U	200U	200U	200U	200U	200U	200U	200U	200U	200U		
2-Butanone	21000	21000	32000	230000	5U	5U																		
2-Hexanone	4300	NS	4300	21000	5U	5U																		
4-Methyl-2-Pentanone	5000	NS	5000	26000	5U	5UJ	5U	5U																
Acetone	3500	3500	86000	450000	5UJ	5U	5U	5U	2.8J	5U	5U													
Acrylonitrile	0.051	0.051	130	650	20U	20U																		
Benzene	1.2	1.2	130	640	1U	1U																		
Bromochloromethane	NS	NS	NS	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
Bromodichloromethane	0.55	0.55	NS	NS	1U	1U																		
Bromoform	4.3	4.3	370	1800	1U	1U																		
Bromomethane	47	47	110	550	1U	1U	1U	1U	1UJ	1U	1U													
Carbon Disulfide	NS	NS	NS	NS	1UJ	1U	1U																	
Carbon Tetrachloride	0.23	0.23	560	2800	1U	1U																		
Chlorobenzene	130	130	240	1200	1U	1U																		
Chlorodibromomethane	0.4	0.4	NS	NS	1U	1U																		
Chloroethane	NS	NS	NS	NS	1U	1U	1UJ	1U	1UJ	1U	1U													
Chloroform	5.7	5.7	390	1900	1U	0.17J	1U	0.22J	0.2J	1U	1U													
Chloromethane	5500	NS	5500	28000	1U *	1U	1UJ	1U	1U															
cis-1,2-Dichloroethene	12	12	NS	NS	1.4	8.3J	13J	15	15J	0.4J	1U	1U												
cis-1,3-Dichloropropene	NS	NS	NS	NS	1U	1U																		
Ethylbenzene	530	530	580	2900	1U	1U																		
Methyl tert-butyl ether	NS	NS	NS	NS	1UJ	1U	1U																	
Methylene chloride	4.6	4.6	2400	12000	1U	1UJ	1U	1U																
Styrene	NS	NS	NS	NS	1U	1U	1U	1U																

Table 2.3-1A
Codorus Creek VOC Sample Results
Former York Naval Ordnance Plant - York, PA

Table 2.3-1A
Codorus Creek VOC Sample Results
Former York Naval Ordnance Plant - York, PA

Table 2.3-1A
Codorus Creek VOC Sample Results
Former York Naval Ordnance Plant - York, PA

Location/ID	Water Quality	Human	Fish & Aquatic Life		COD-SW-26	COD-SW-27	COD-SW-27	COD-SW-27	COD-SW-27															
Depth (ft.)	Criteria for Health	Continuous Criteria	Maxunum Criteria																					
Sample Date	Toxic Substances	Criteria	Concentration	Concentration	10/6/14	10/20/14	11/3/14	11/20/14	12/3/14	12/22/14	1/13/15	3/10/15	3/24/15	4/21/15	5/20/15	6/15/15	7/15/15	8/14/15	9/15/15	1/27/14	2/4/14	2/20/14	3/4/14	3/17/14
Parameter		ug/L	ug/L	ug/L																				
VOCs (ug/L)																								
1,1,1,2-Tetrachloroethane	NS	NS	NS	NS	1.0U	1.0U	1.0U	1U	1U															
1,1,1-Trichloroethane	610	NS	610	3000	1.0U	1.0U	1.0U	1U	1U															
1,1,2,2-Tetrachloroethane	0.17	0.17	210	1000	1.0U	1.0U	1.0U	1U	1U															
1,1,2-Trichloroethane	0.59	0.59	680	3400	1.0U	1.0U	1.0U	1U	1U															
1,1-Dichloroethane	NS	NS	NS	NS	1.0U	1.0U	0.31J	1U	1U															
1,1-Dichloroethene	33	33	1500	7500	1.0U	1.0U	1.0U	1U	1U															
1,2-Dibromoethane	NS	NS	NS	NS	1.0U	1.0U	1.0U	1U	1U															
1,2-Dichloroethane	0.38	0.38	3100	15000	1.0U	1.0U	1.0U	1U	1U															
1,2-Dichloropropane	2200	NS	2200	11000	1.0U	1.0U	1.0U	1U	1U															
1,4-Dioxane	NS	NS	NS	NS	200U	200U																		
2-Butanone	21000	21000	32000	230000	5.0U	5.0U	5U	5U																
2-Hexanone	4300	NS	4300	21000	5.0U	5.0U	5U	5U																
4-Methyl-2-Pentanone	5000	NS	5000	26000	5.0U	5.0U	5U	5U																
Acetone	3500	3500	86000	450000	5.0U	5.0U	5U	5U																
Acrylonitrile	0.051	0.051	130	650	20U	20U																		
Benzene	1.2	1.2	130	640	1.0U	1.0U	1.0U	1U	1U															
Bromochloromethane	NS	NS	NS	NS	1.0U	1.0U	1.0U	1U	1U															
Bromodichloromethane	0.55	0.55	NS	NS	1.0U	1.0U	1.0U	1U	1U															
Bromoform	4.3	4.3	370	1800	1.0U	1.0U	1.0U	1U	1U															
Bromomethane	47	47	110	550	1.0U	1.0U	1.0U	1U	1U															
Carbon Disulfide	NS	NS	NS	NS	1.0U	1.0U	1.0U	1U	1U															
Carbon Tetrachloride	0.23	0.23	560	2800	1.0U	1.0U	1.0U	1U	1U															
Chlorobenzene	130	130	240	1200	1.0U	1.0U	1.0U	1U	1U															
Chlorodibromomethane	0.4	0.4	NS	NS	1.0U	1.0U	1.0U	1U	1U															
Chloroethane	NS	NS	NS	NS	1.0U	1.0U	1.0U	1U	1U															
Chloroform	5.7	5.7	390	1900	0.74J	0.81J	0.88J	0.67J	0.27J	0.75J	1U	1U	0.41J	1.0U	1U	1U	0.89J	1	1U	1U	1U	1U	1U	1U
Chloromethane	5500	NS	5500	28000	1.0U	1.0U	1.0U	1U	1U															
cis-1,2-Dichloroethene	12	12	NS	NS	0.29J	0.34J	0.32J	0.27J	1U	0.27J	1U	1U	1U	0.28J	1U	1U	0.26J	0.28J	0.47J	0.51J	1U	0.49J	1U	
cis-1,3-Dichloropropene	NS	NS	NS	NS	1.0U	1.0U	1.0U	1U	1U															
Ethylbenzene	530	530	580	2900	1.0U	1.0U	1.0U	1U	1U															
Methyl tert-butyl ether	NS																							

Table 2.3-1A
Codorus Creek VOC Sample Results
Former York Naval Ordnance Plant - York, PA

Location/ID	Water Quality	Human	Fish & Aquatic Life		COD-SW-27																				
Depth (ft.)	Criteria for Health	Continuous Criteria	Maximun Criteria																						
Sample Date	Toxic Substances	Criteria	Concentration	Concentration	4/22/14	5/7/14	5/20/14	6/6/14	6/26/14	6/30/14	7/15/14	8/8/14	8/25/14	9/8/14	9/22/14	10/6/14	12/3/14	1/13/15	3/10/15	3/24/15	4/21/15	5/20/15	6/15/15	7/15/15	
Parameter		ug/L	ug/L	ug/L																					
VOCs (ug/L)																									
1,1,1,2-Tetrachloroethane	NS	NS	NS	NS	1U	1U																			
1,1,1-Trichloroethane	610	NS	610	3000	1U	0.47J	0.3J	1U	1U	1.0U	1U	1U	1U												
1,1,2,2-Tetrachloroethane	0.17	0.17	210	1000	1U	1U	1U																		
1,1,2-Trichloroethane	0.59	0.59	680	3400	1U	1U	1U																		
1,1-Dichloroethane	NS	NS	NS	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
1,1-Dichloroethene	33	33	1500	7500	1U	0.31J	1U	1U	1U	1U	1.0U	1U	1U	1U											
1,2-Dibromoethane	NS	NS	NS	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
1,2-Dichloroethane	0.38	0.38	3100	15000	1U	1.0U	1U	1U	1U																
1,2-Dichloropropane	2200	NS	2200	11000	1U	1.0U	1U	1U	1U																
1,4-Dioxane	NS	NS	NS	200U	200U	200U	200R	200U	200U	200U															
2-Butanone	21000	21000	32000	230000	5U	5.0U	5U	5U	5U																
2-Hexanone	4300	NS	4300	21000	5U	5.0U	5U	5U	5U																
4-Methyl-2-Pentanone	5000	NS	5000	26000	5U	5.0U	5U	5U	5U																
Acetone	3500	3500	86000	450000	2.5J	5U	5U	3J	5U	4.5J	3.9J	4.1J	6.1	5U	4J	4.5J	5U	5U	3.9J	5U	5.1	5U	3J	5U	
Acrylonitrile	0.051	0.051	130	650	20U	20U	20U																		
Benzene	1.2	1.2	130	640	1U	1.0U	1U	1U	1U																
Bromochloromethane	NS	NS	NS	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
Bromodichloromethane	0.55	0.55	NS	NS	1U	1U	1U	1U																	
Bromoform	4.3	4.3	370	1800	1U	1.0U	1U	1U	1U																
Bromomethane	47	47	110	550	1U	1.0U	1U	1U	1U																
Carbon Disulfide	NS	NS	NS	NS	1U	1.0U	1U	1U	1U																
Carbon Tetrachloride	0.23	0.23	560	2800	1U	1.0U	1U	1U	1U																
Chlorobenzene	130	130	240	1200	1U	1.0U	1U	1U	1U																
Chlorodibromomethane	0.4	0.4	NS	NS	1U	1.0U	1U	1U	1U																
Chloroethane	NS	NS	NS	NS	1U	1.0U	1U	1U	1U																
Chloroform	5.7	5.7	390	1900	1U	1.0U	1U	0.75J	0.54J																
Chloromethane	5500	NS	5500	28000	1U	0.36J	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U									
cis-1,2-Dichloroethene	12	12	NS	NS	1U	1U	1U	0.32J	1U	0.4J	1U	0.32J	0.48J	0.49J	1.8	0.98J	6.5	3.5	0.27J	4.2	1.3	1U	1	0.26J	
cis-1,3-Dichloropropene	NS	NS	NS	NS	1U	1U	1U																		
Ethylbenzene	530	530	580	2900	1U	1.0U	1U	1U	1U																
Methyl tert-butyl ether	NS	NS	NS	NS	1U</																				

Table 2.3-1A
Codorus Creek VOC Sample Results
former York Naval Ordnance Plant - York, PA

Table 2.3-1A
Codorus Creek VOC Sample Results
Former York Naval Ordnance Plant - York, PA

Table 2.3-1A
Codorus Creek VOC Sample Results
Former York Naval Ordnance Plant - York, PA

Location/ID	Water Quality	Human	Fish & Aquatic Life		COD-SW-29																			
Depth (ft.)	Criteria for Health	Continuous Criteria	Maximun Criteria																					
Sample Date	Toxic Substances	Criteria	Concentration	Concentration	7/14/14	8/8/14	8/25/14	9/8/14	9/22/14	10/6/14	10/20/14	11/3/14	11/20/14	12/3/14	12/22/14	1/13/15	3/10/15	3/24/15	4/21/15	5/20/15	6/15/15	7/15/15	8/14/15	9/15/15
Parameter		ug/L	ug/L	ug/L																				
VOCs (ug/L)																								
1,1,1,2-Tetrachloroethane	NS	NS	NS	NS	1U	1U	1U	1.0U	1U	1.0U	1U	1.0U	1U	1U										
1,1,1-Trichloroethane	610	NS	610	3000	1U	1U	1U	1.0U	1U	1.0U	1U	1.0U	1U	1U										
1,1,2,2-Tetrachloroethane	0.17	0.17	210	1000	1U	1U	1U	1.0U	1U	1.0U	1U	1.0U	1U	1U										
1,1,2-Trichloroethane	0.59	0.59	680	3400	1U	1U	1U	1.0U	1U	1.0U	1U	1.0U	1U	1U										
1,1-Dichloroethane	NS	NS	NS	NS	1U	1U	1U	1.0U	1U	1.0U	1U	1.0U	1U	1U										
1,1-Dichloroethene	33	33	1500	7500	1U	1U	1U	1.0U	1U	1.0U	1U	1.0U	1U	1U										
1,2-Dibromoethane	NS	NS	NS	NS	1U	1U	1U	1.0U	1U	1.0U	1U	1.0U	1U	1U										
1,2-Dichloroethane	0.38	0.38	3100	15000	1U	1U	1U	1.0U	1U	1.0U	1U	1.0U	1U	1U										
1,2-Dichloropropane	2200	NS	2200	11000	1U	1U	1U	1.0U	1U	1.0U	1U	1.0U	1U	1U										
1,4-Dioxane	NS	NS	NS	NS	200U	200U																		
2-Butanone	21000	21000	32000	230000	5U	5U	5U	5.0U	5U	5.0U	5U	5.0U	5U	5U										
2-Hexanone	4300	NS	4300	21000	5U	5U	5U	5.0U	5U	5.0U	5U	5.0U	5U	5U										
4-Methyl-2-Pentanone	5000	NS	5000	26000	5U	5U	5U	5.0U	5U	5.0U	5U	5.0U	5U	5U										
Acetone	3500	3500	86000	450000	5U	3.3J	5U	5U	3J	5.0U	5.0U	5U	5.0U	2.5J	5U	5U	5U	4J	2.7J	3.0J	5U	5U	2.7J	5U
Acrylonitrile	0.051	0.051	130	650	20U	20U																		
Benzene	1.2	1.2	130	640	1U	1U	1U	1.0U	1U	1.0U	1U	1.0U	1U	1U										
Bromochloromethane	NS	NS	NS	NS	1U	1U	1U	1.0U	1U	1.0U	1U	1.0U	1U	1U										
Bromodichloromethane	0.55	0.55	NS	NS	1U	1U	1U	1.0U	1U	1.0U	1U	1.0U	1U	1U										
Bromoform	4.3	4.3	370	1800	1U	1U	1U	1.0U	1U	1.0U	1U	1.0U	1U	1U										
Bromomethane	47	47	110	550	1U	1U	1U	1.0U	1U	1.0U	1U	1.0U	1U	1U										
Carbon Disulfide	NS	NS	NS	NS	1U	1U	1U	1.0U	1U	1.0U	1U	1.0U	1U	1U										
Carbon Tetrachloride	0.23	0.23	560	2800	1U	1U	1U	1.0U	1U	1.0U	1U	1.0U	1U	1U										
Chlorobenzene	130	130	240	1200	1U	1U	1U	1.0U	1U	1.0U	1U	1.0U	1U	1U										
Chlorodibromomethane	0.4	0.4	NS	NS	1U	1U	1U	1.0U	1U	1.0U	1U	1.0U	1U	1U										
Chloroethane	NS	NS	NS	NS	1U	1U	1U	1.0U	1U	1.0U	1U	1.0U	1U	1U										
Chloroform	5.7	5.7	390	1900	1U	1U	1U	1.0U	1U	1.0U	1U	1.0U	1U	1U										
Chloromethane	5500	NS	5500	28000	1U	1U	1U	1.0U	1U	1.0U	1U	1.0U	1U	1U										
cis-1,2-Dichloroethene	12	12	NS	NS	0.28J	0.28J	0.38J	0.44J	0.4J	0.44J	0.58J	0.52J	0.6J	0.36J	0.5J	1U	1U	0.3J	1.0U	1U	1U	1U	0.28J	
cis-1,3-Dichloropropene	NS	NS	NS	NS	1U	1U	1U	1.0U	1U	1.0U	1U	1.0U	1U	1U										
Ethylbenzene	530	530	580	2900	1U	1U	1U	1.0U	1U	1.0U	1U	1.0U	1U	1U										
Methyl tert-butyl ether	NS	NS	NS	NS	1U	1U	1U	1.0U	1U	1.0U	1U	1.0U	1U	1U										
Methylene chloride	4.6	4.6	2400	12000	1U	1U	1U	1.0																