Table 2.4-3
Groundwater Data Summary - VOC 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 10/24/1995	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	MW-2 7/13/1994	MW-2 10/27/1995
TOTAL VOC																
				100	43	47	43	18.6	6.95	1080	1305	523	340	221	481	278
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52						1 U						
1,1,1-Trichloroethane	200	200	200	9100	3	1	2	5 U	1 U	0.24 J	1 U	1 U	1 U	2 U	2 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U	50 U	2 U	2 U	100 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300					1 U							
1,1,2-Trichlorotrifluoroethane	63000	170000		59000			1 U						1 U			1 U
1,1-Dichloroethane	31	160		2.4	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U
1,1-Dichloroethene	7	7	7	340	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065						1 U						
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U
1,2-Dichloroethene	70	70	70	330			3	7								1
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U
1,3-Dichlorobenzene	600	600							2 U							
1,3-Dichloropropene	6.6	26		0.43			1 U									1 U
1,4-Dioxane	6.4	32		0.67						200 U						
2-Butanone	4000	4000		7100				100 U		10 U					20 U	
2-Chloroethyl Vinyl Ether					10 U	10 U	10 U		1 U		10 U	10 U	10 U	20 U	20 U	10 U
2-Hexanone	11	44		47				100 U		10 U					20 U	
4-Methyl-2-Pentanone	2900	8200		2000				50 U		10 U					20 U	
Acetone	33000	92000		22000				100 U		10 U					20 U	
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045						20 U						
Benzene	5	5	5	0.41	4	2 U	2 U	5 U		1 U	2 U	2 U	10 U	2 U	2 U	2 U
Bromochloromethane	90	90								1 U						
Bromodichloromethane	80	80		0.12			2 U	5 U	1 U	1 U					2 U	2 U
Bromoform	80	80		8.5	1 U	2 U	2 U	5 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U
Bromomethane	10	10		8.7	5 U	5 U	5 U	5 U	2 U	1 U	5 U	5 U	5 U		4 U	5 U
Carbon Disulfide	1500	6200		1000				50 U		1 U					2 U	
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U
Chlorobenzene	100	100	100	91	1 U	1 U	1 U	5 U	2 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U
Chlorodibromomethane	80	80		0.15	1 U	2 U	2 U	5 U	1 U	1 U	1 U	2 U	10 U	2 U		2 U
Chloroethane	230	900		21000	1 U	1 U	1 U	5 U	2 U	1 U	1 U	1 U	1 U	4 U	4 U	1 U
Chloroform	80	80		0.19	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U
Chloromethane	30	30		190	5 U	5 U	5 U	5 U		1 U	5 U	5 U	5 U		4 U	5 U
cis-1,2-Dichloroethene	70	70	70	73	6	3				0.66 J	3	5	3	2 U	2 U	
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	5 U		1 U	1 U	1 U	1 U	2 U	2 U	1 U
Methyl tert-butyl ether	20	20		12						1 U						
Methylene chloride	5	5		4.8	1 U	2 U	2 U	5 U	1 U	1 U	1 U	2 U	2 U	4 U	4 U	2 U
Styrene	100	100	100	1600				5 U		1 U					2 U	
Tetrachloroethene	5	5	5	0.11	1 U	2	9	5 U	3.6	0.55 J	672	800	350	240	150	360
Toluene	1000	1000	1000	2300	4	2	2 U	5 U		1 U	2 U	2 U	2 U	2 U	2 U	2 U
trans-1,2-Dichloroethene	100	100	100	110					1 U	1 U					2 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 2.4-3
Groundwater Data Summary - VOC 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 10/24/1995	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	MW-2 7/13/1994	MW-2 10/27/1995
trans-1,3-Dichloropropene	6.6	26		0.43				5 U	1 U	1 U					2 U	
Trichloroethene	5	5	5	2	83	35	33	36	15	5.5	405	500	170	100	71	120
Vinyl Acetate	420	1800		410											20 U	
Vinyl Chloride	2	2	2	0.016	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	4 U	4 U	1 U
VOC Library Search								0 U								
Xylenes (Total)	10000	10000	10000	200				5 U		3 U					4 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 2.4-3
Groundwater Data Summary - VOC 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 7/17/1996	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 4/3/2000	MW-2 6/21/2001	MW-2 6/14/2002	MW-2 6/4/2003	MW-2 6/10/2004	MW-2 6/15/2005
TOTAL VOC																
				100	370	269	155	167.4	167	167.4	219.5	364.2	221.2	106	127	145
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52												
1,1,1-Trichloroethane	200	200	200	9100	2.0 U	0 U	0 U	5 U	0 U	1 U	0 U	0 U	0 U	0 U	5 U	5 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	2.0 U			5 U		1 U					1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	2.0 U	0 U	0 U	5 U	0 U	1 U	0 U	0 U	0 U	0 U	3 U	3 U
1,1,2-Trichlorofluoromethane	2000	2000		1300						1 U						
1,1,2-Trichlorotrifluoroethane	63000	170000		59000												
1,1-Dichloroethane	31	160		2.4	2.0 U	0 U	0 U	5 U	0 U	1 U	0 U	0 U	0 U	0 U	5 U	5 U
1,1-Dichloroethene	7	7	7	340	2.0 U	0 U	0 U	5 U	0 U	1 U	0 U	0 U	0 U	0 U	2 U	2 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065												
1,2-Dichloroethane	5	5	5	0.15	2.0 U	0 U	0 U	5 U	0 U	1 U	0 U	0 U	0 U	0 U	2 U	2 U
1,2-Dichloroethene	70	70	70	330				5 U								
1,2-Dichloropropane	5	5	5	0.39	2.0 U			5 U		1 U					1 U	1 U
1,3-Dichlorobenzene	600	600								2 U						
1,3-Dichloropropene	6.6	26		0.43												
1,4-Dioxane	6.4	32		0.67											1000 U	1000 U
2-Butanone	4000	4000		7100	40 U			100 U							5 U	5 U
2-Chloroethyl Vinyl Ether					20 U					1 U					5 U	5 U
2-Hexanone	11	44		47	20 U			100 U								
4-Methyl-2-Pentanone	2900	8200		2000	20 U			50 U								
Acetone	33000	92000		22000	40 U	0 U	0 U	100 U				0 U	0 U	0 U		
Acrolein	0.042	0.18		0.042											100 U	100 U
Acrylonitrile	0.72	3.7		0.045											50 U	50 U
Benzene	5	5	5	0.41	2.0 U	0 U	0 U	5 U				0 U	0 U	0 U	1 U	1 U
Bromochloromethane	90	90														
Bromodichloromethane	80	80		0.12	2.0 U	0 U	0 U	5 U		1 U		0 U	0 U	0 U	1 U	1 U
Bromoform	80	80		8.5	2.0 U			5 U		1 U					4 U	4 U
Bromomethane	10	10		8.7	4.0 U			5 U		2 U					5 U	5 U
Carbon Disulfide	1500	6200		1000	2.0 U	0 U	0 U	50 U				0 U	0 U	0 U		
Carbon Tetrachloride	5	5	5	0.44	2.0 U	0 U	0 U	5 U	0 U	1 U	0 U	0 U	0 U	0 U	2 U	2 U
Chlorobenzene	100	100	100	91	2.0 U	0 U	0 U	5 U	0 U	2 U		0 U	0 U	0 U	5 U	5 U
Chlorodibromomethane	80	80		0.15	2.0 U			5 U		1 U					5 U	5 U
Chloroethane	230	900		21000	4.0 U	0 U	0 U	5 U	0 U	2 U		0 U	0 U	0 U	5 U	5 U
Chloroform	80	80		0.19	2.0 U	0 U	0 U	5 U	0 U	1 U	0 U	0 U	0 U	0 U	5 U	5 U
Chloromethane	30	30		190	4.0 U			5 U							5 U	5 U
cis-1,2-Dichloroethene	70	70	70	73	U							2.5	1.2		5 U	5 U
cis-1,3-Dichloropropene	6.6	26		0.43	2.0 U			5 U		1 U					5 U	5 U
Ethylbenzene	700	700	700	1.5	2.0 U	0 U	0 U	5 U				0 U	0 U	0 U	4 U	4 U
Methyl tert-butyl ether	20	20		12												
Methylene chloride	5	5		4.8	4.0 U	0 U	0 U	5 U	0 U	1 U	0 U	0 U	0 U	0 U	3 U	3 U
Styrene	100	100	100	1600	2.0 U			5 U								
Tetrachloroethene	5	5	5	0.11	210	250	180	98	130	130	130	169	273	184	85	100
Toluene	1000	1000	1000	2300	2.0 U	0 U	0 U	5 U				0 U	0 U	0 U	5 U	5 U
trans-1,2-Dichloroethene	100	100	100	110	2.0 U	0 U	0 U		0 U	1 U	0 U	0 U	0 U	0 U	5 U	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 2.4-3
Groundwater Data Summary - VOC 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 7/17/1996	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 4/3/2000	MW-2 6/21/2001	MW-2 6/14/2002	MW-2 6/4/2003	MW-2 6/10/2004	MW-2 6/15/2005
trans-1,3-Dichloropropene	6.6	26		0.43	2.0 U			5 U		1 U					5 U	5 U
Trichloroethene	5	5	5	2	68	120	89	57	37.4	37	37.4	48	90	37.2	21	27
Vinyl Acetate	420	1800		410	20 U											
Vinyl Chloride	2	2	2	0.016	4.0 U	0 U	0 U	5 U	0 U	1 U	0 U	0 U	0 U	0 U	5 U	5 U
VOC Library Search								0 U								
Xylenes (Total)	10000	10000	10000	200	10 U	0 U	0 U	5 U				0 U	0 U	0 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 2.4-3
Groundwater Data Summary - VOC 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 6/23/2006	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	MW-3 4/3/2000	MW-3 5/7/2008
TOTAL VOC																	
				100	111	140.8	126.3	110	84.7	644	709	595	99	72.5	72	42.75	366
Volatile Organic Compound																	
1,1,1,2-Tetrachloroethane	70	70		0.52			5 U	5 U	5 U	4 U							1 U
1,1,1-Trichloroethane	200	200	200	9100	5 U	5 U	5 U	5 U	5 U	4 U	7	8	8	5 U	0 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	5 U	5 U	5 U	5 U	5 U	4 U	1 U	1 U	1 U	5 U		1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	5 U	5 U	5 U	5 U	5 U	4 U	1 U	1 U	1 U	5 U	0 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												1 U	
1,1,2-Trichlorotrifluoroethane	63000	170000		59000									1				
1,1-Dichloroethane	31	160		2.4	5 U	5 U	5 U	5 U	5 U	4 U	1 U	1 U	1 U	5 U	0 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	5 U	5 U	5 U	5 U	5 U	4 U	1 U	1 U	1 U	5 U	0 U	1 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065			5 U	5 U	5 U	4 U							1 U
1,2-Dichloroethane	5	5	5	0.15	5 U	5 U	5 U	5 U	5 U	4 U	1 U	1 U	1 U	5 U	0 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330										5 U			
1,2-Dichloropropane	5	5	5	0.39	5 U	5 U	5 U	5 U	5 U	4 U	1 U	1 U	1 U	5 U		1 U	1 U
1,3-Dichlorobenzene	600	600														2 U	
1,3-Dichloropropene	6.6	26		0.43													
1,4-Dioxane	6.4	32		0.67	1000 U	1000 U	1000 U	1000 U	1000 U	800 U							200 U
2-Butanone	4000	4000		7100	5 U	5 U	50 U	50 U	50 U	40 U				100 U			10 U
2-Chloroethyl Vinyl Ether					10 U	10 U					10 U	10 U	10 U			1 U	
2-Hexanone	11	44		47			50 U	50 U	50 U	40 U				100 U			10 U
4-Methyl-2-Pentanone	2900	8200		2000			50 U	50 U	50 U	40 U				50 U			10 U
Acetone	33000	92000		22000			50 U	50 U	50 U	40 U				100 U			10 U
Acrolein	0.042	0.18		0.042	100 U	100 U											
Acrylonitrile	0.72	3.7		0.045	100 U	100 U	100 U	100 U	100 U	80 U							20 U
Benzene	5	5	5	0.41	5 U	5 U	5 U	5 U	5 U	4 U	2 U	2 U	2 U	5 U			1 U
Bromochloromethane	90	90					5 U	5 U	5 U	4 U							1 U
Bromodichloromethane	80	80		0.12	5 U	5 U	5 U	5 U	5 U	4 U				5 U		1 U	1 U
Bromoform	80	80		8.5	5 U	5 U	5 U	5 U	5 U	4 U	1 U	2 U	2 U	5 U		1 U	1 U
Bromomethane	10	10		8.7	5 U	5 U	5 U	5 U	5 U	4 U	5 U	5 U	5 U	5 U		2 U	1 U
Carbon Disulfide	1500	6200		1000			5 U	5 U	5 U	1.7 J				50 U			1 U
Carbon Tetrachloride	5	5	5	0.44	5 U	5 U	5 U	5 U	5 U	4 U	1 U	1 U	1 U	5 U		1 U	1 U
Chlorobenzene	100	100	100	91	5 U	5 U	5 U	5 U	5 U	4 U	1 U	1 U	1 U	5 U		2 U	1 U
Chlorodibromomethane	80	80		0.15	5 U	5 U	5 U	5 U	5 U	4 U	1 U	2 U	2 U	5 U		1 U	1 U
Chloroethane	230	900		21000	5 U	5 U	5 U	5 U	5 U	4 U	1 U	1 U	1 U	5 U		2 U	1 U
Chloroform	80	80		0.19	5 U	5 U	5 U	5 U	5 U	4 U	1 U	1 U	1 U	5 U	0 U	1 U	2.2
Chloromethane	30	30		190	5 U	5 U	5 U	5 U	5 U	4 U	5 U	5 U	5 U	5 U			1 U
cis-1,2-Dichloroethene	70	70	70	73	5 U	5 U	5 U	5 U	5 U	4 U	1 U	2	1 U				0.75 J
cis-1,3-Dichloropropene	6.6	26		0.43	5 U	5 U	5 U	5 U	5 U	4 U	1 U	1 U	1 U	5 U		1 U	1 U
Ethylbenzene	700	700	700	1.5	5 U	5 U	5 U	5 U	5 U	4 U	1 U	1 U	1 U	5 U			1 U
Methyl tert-butyl ether	20	20		12			5 U	5 U	5 U	4 U							0.45 J
Methylene chloride	5	5		4.8	5 U	5 U	1.8 J	2.3 J B	5 U	4 U	1 U	2 U	2 U	5 U	0 U	1 U	1 U
Styrene	100	100	100	1600			5 U	5 U	5 U	4 U				5 U			1 U
Tetrachloroethene	5	5	5	0.11	120	91	120	110	94	73	5	4	4	5 U	0 U	1 U	0.35 J
Toluene	1000	1000	1000	2300	5 U	5 U	5 U	5 U	5 U	4 U	2 U	2 U	2 U	5 U			1 U
trans-1,2-Dichloroethene	100	100	100	110	5 U	5 U	5 U	5 U	5 U	4 U					0 U	1 U	1 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 2.4-3
Groundwater Data Summary - VOC 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 6/23/2006	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	MW-3 4/3/2000	MW-3 5/7/2008
trans-1,3-Dichloropropene	6.6	26		0.43	5 U	5 U	5 U	5 U	5 U	4 U				5 U		1 U	1 U
Trichloroethene	5	5	5	2	25	20	19	14	16	10	632	695	582	99	72.5	72	39
Vinyl Acetate	420	1800		410													
Vinyl Chloride	2	2	2	0.016	5 U	5 U	5 U	5 U	5 U	4 U	1 U	1 U	1 U	5 U	0 U	1 U	1 U
VOC Library Search														0 U			
Xylenes (Total)	10000	10000	10000	200			15 U	15 U	15 U	12 U				5 U			3 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 2.4-3
Groundwater Data Summary - VOC 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-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	MW-5 9/14/1999	MW-5 3/24/2000	MW-5 Dup 3/24/2000
TOTAL VOC																
				100	1914	436	100	25.2	2.25	53	117	74	56	1.1	1.3	44.6
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52						1 U						
1,1,1-Trichloroethane	200	200	200	9100	44	343	18	6	1.4	1 U	1	1 U	0 U	1 U	1 U	
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	20 U	5 U	1 U	1 U	1 U	1 U		1 U	1 U	
1,1,2-Trichloroethane	5	5	5	0.24	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	0 U	1 U	1 U	
1,1,2-Trichlorofluoromethane	2000	2000		1300					1 U						1 U	
1,1,2-Trichlorotrifluoroethane	63000	170000		59000			1 U									
1,1-Dichloroethane	31	160		2.4	1	9	2	5 U	1 U	1 U	1 U	1 U	0 U	1 U	1 U	
1,1-Dichloroethene	7	7	7	340	7	55	4	5 U	1 U	1 U	1 U	1 U	0 U	1	1 U	
1,2-Dibromoethane	0.05	0.05	0.05	0.0065						1 U						
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	0 U	1 U	1 U	
1,2-Dichloroethene	70	70	70	330				29						25		
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U		1 U	1 U	
1,3-Dichlorobenzene	600	600							2 U						2 U	
1,3-Dichloropropene	6.6	26		0.43												
1,4-Dioxane	6.4	32		0.67						200 U						
2-Butanone	4000	4000		7100				20 U		10 U				20 U		
2-Chloroethyl Vinyl Ether					10 U	10 U	10 U		1 U		10 U	10 U			1 U	
2-Hexanone	11	44		47				20 U		10 U				20 U		
4-Methyl-2-Pentanone	2900	8200		2000				10 U		10 U				10 U		
Acetone	33000	92000		22000				20 U		10 U			0 U	20 U		
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045						20 U						
Benzene	5	5	5	0.41	2 U	2 U	10 U	5 U		1 U	2 U	2 U	0 U	1 U		
Bromochloromethane	90	90								1 U						
Bromodichloromethane	80	80		0.12				5 U	1 U	1 U			0 U	1 U	1 U	
Bromoform	80	80		8.5	1 U	2 U	2 U	5 U	1 U	1 U	1 U	2 U		1 U	1 U	
Bromomethane	10	10		8.7	5 U	5 U	5 U	5 U	2 U	1 U	5 U	5 U		1 U	2 U	
Carbon Disulfide	1500	6200		1000				10 U		0.55 J			0 U	10 U		
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	0 U	1 U	1 U	
Chlorobenzene	100	100	100	91	1 U	1 U	1 U	5 U	2 U	1 U	1 U	1 U	0 U	1 U	2 U	
Chlorodibromomethane	80	80		0.15	1 U	2 U	2 U	5 U	1 U	1 U	1 U	2 U		1 U	1 U	
Chloroethane	230	900		21000	1 U	1 U	1 U	5 U	2 U	1 U	1 U	1 U	0 U	1 U	2 U	
Chloroform	80	80		0.19	1 U	1 U	1 U	5 U	1 U	1 U	2	1 U	0 U	1 U	1 U	
Chloromethane	30	30		190	5 U	5 U	5 U	5 U		1 U	5 U	5 U		1 U		
cis-1,2-Dichloroethene	70	70	70	73	50	1 U	79			1 U	13	40	40			
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U		1 U	1 U	
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	5 U		1 U	1 U	1	0 U	1 U		
Methyl tert-butyl ether	20	20		12						1 U						
Methylene chloride	5	5		4.8	1 U	2 U	2 U	5 U	1 U	1 U	1 U	2	0 U	1 U	1 U	
Styrene	100	100	100	1600				5 U		1 U				1 U		
Tetrachloroethene	5	5	5	0.11	14	25	73	5 U	3.8	0.74 J	1 U	1	0 U	1 U	1 U	
Toluene	1000	1000	1000	2300	2 U	2 U	2 U	5 U		1 U	2 U	9	0 U	1 U		
trans-1,2-Dichloroethene	100	100	100	110					1 U	1 U			0 U		1 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 2.4-3
Groundwater Data Summary - VOC 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-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	MW-5 9/14/1999	MW-5 3/24/2000	MW-5 Dup 3/24/2000
trans-1,3-Dichloropropene	6.6	26		0.43				5 U	1 U	1 U				1 U	1 U	
Trichloroethene	5	5	5	2	250	1482	260	65	20	0.96 J	37	63	34	30	1.1	1.3
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1	0 U	1 U	1 U	
VOC Library Search								0 U						0 U		
Xylenes (Total)	10000	10000	10000	200				10 U		3 U			0 U	1 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 2.4-3
Groundwater Data Summary - VOC 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 6/19/2001	MW-5 6/11/2002	MW-5 6/2/2003	MW-5 6/7/2004	MW-5 6/14/2005	MW-5 6/21/2006	MW-5 6/25/2007	MW-5 4/24/2008	MW-5 9/5/2008	MW-5 6/18/2009	MW-6 5/15/1986	MW-6 7/22/1986	MW-6 4/3/1990
TOTAL VOC																	
				100	21.1	3.8	16.4	7.2	5.5	3.2	3.3	6	4.19	25	12	47	1
Volatile Organic Compound																	
1,1,1,2-Tetrachloroethane	70	70		0.52								1 U	1 U	1 U			
1,1,1-Trichloroethane	200	200	200	9100	0.4 J	0 U	0 U	5 U	5 U	5 U	5 U	1 U	1 U	0.3 J	4	5	18
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067				1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	0 U	0 U	0 U	3 U	3 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300													
1,1,2-Trichlorotrifluoroethane	63000	170000		59000													1 U
1,1-Dichloroethane	31	160		2.4	0.7 J	0 U	0 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	16	5	24
1,1-Dichloroethene	7	7	7	340	0.9 J	1.7	0 U	2 U	2 U	5 U	5 U	1 U	0.4 J	1 U	1 U	1 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065								1 U	1 U	1 U			
1,2-Dichloroethane	5	5	5	0.15	0 U	0 U	0 U	2 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1
1,2-Dichloroethene	70	70	70	330													
1,2-Dichloropropane	5	5	5	0.39				1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	600	600															
1,3-Dichloropropene	6.6	26		0.43													1 U
1,4-Dioxane	6.4	32		0.67				1000 U	1000 U	1000 U	1000 U	200 U	200 U	200 U			
2-Butanone	4000	4000		7100				5 U	5 U	5 U	5 U	10 U	10 U	0.77 J			
2-Chloroethyl Vinyl Ether								5 U	5 U	10 U	10 U				10 U	10 U	10 U
2-Hexanone	11	44		47								10 U	10 U	10 U			
4-Methyl-2-Pentanone	2900	8200		2000								10 U	10 U	10 U			
Acetone	33000	92000		22000	0 U	0 U						10 U	10 U	10 U			
Acrolein	0.042	0.18		0.042				100 U	100 U	100 U	100 U						
Acrylonitrile	0.72	3.7		0.045				50 U	50 U	100 U	100 U	20 U	20 U	20 U			
Benzene	5	5	5	0.41	0 U	0 U	0 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U	2 U	2 U	2 U
Bromochloromethane	90	90										1 U	1 U	1 U			
Bromodichloromethane	80	80		0.12	0 U	0 U	0 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U			2 U
Bromoform	80	80		8.5				4 U	4 U	5 U	5 U	1 U	1 U	1 U	1 U	2 U	2 U
Bromomethane	10	10		8.7				5 U	5 U	5 U	5 U	1 U	1 U	1 U	5 U	5 U	5 U
Carbon Disulfide	1500	6200		1000	0 U	0 U						1 U	1 U	1 U			
Carbon Tetrachloride	5	5	5	0.44	0 U	0 U	0 U	2 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	91	0 U	0 U	0 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.15				5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	2 U	2 U
Chloroethane	230	900		21000	0 U	0 U	0 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	80	80		0.19	0 U	0 U	0 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	2
Chloromethane	30	30		190				5 U	5 U	5 U	5 U	1 U	1 U	1 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	73	27	17		11	5.6	5.5	3.2 J	2.2	4.4	2.5	3	1	
cis-1,3-Dichloropropene	6.6	26		0.43				5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	
Ethylbenzene	700	700	700	1.5	0 U	0 U	0 U	4 U	4 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl ether	20	20		12								1 U	1 U	1 U			
Methylene chloride	5	5		4.8	0 U	0 U	0 U	3 U	3 U	5 U	5 U	1 U	1 U	1 U	1 U	2 U	2 U
Styrene	100	100	100	1600								1 U	1 U	1 U			
Tetrachloroethene	5	5	5	0.11	0.4 J	0 U	0 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	1000	1000	1000	2300	0 U	0 U	0 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	2 U	2 U	2 U
trans-1,2-Dichloroethene	100	100	100	110	0 U	0 U	0 U	5 U	5 U	5 U	5 U	1 U	0.19 J	1 U			2

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 2.4-3
Groundwater Data Summary - VOC 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 6/19/2001	MW-5 6/11/2002	MW-5 6/2/2003	MW-5 6/7/2004	MW-5 6/14/2005	MW-5 6/21/2006	MW-5 6/25/2007	MW-5 4/24/2008	MW-5 9/5/2008	MW-5 6/18/2009	MW-6 5/15/1986	MW-6 7/22/1986	MW-6 4/3/1990
trans-1,3-Dichloropropene	6.6	26		0.43				5 U	5 U	5 U	5 U	1 U	1 U	1 U			
Trichloroethene	5	5	5	2	14	2.4	3.8	5.4	1 J	5 U	5 U	1.1	0.78 J	0.62 J	2	1	1 U
Vinyl Acetate	420	1800		410													
Vinyl Chloride	2	2	2	0.016	1.2	0 U	0 U	5 U	0.6 J	5 U	5 U	1 U	0.23 J	1 U	1 U	1 U	1 U
VOC Library Search																	
Xylenes (Total)	10000	10000	10000	200	0 U	0 U						3 U	3 U	3 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 2.4-3
Groundwater Data Summary - VOC 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 4/28/1994	MW-6 7/11/1994	MW-6 12/11/1998	MW-6 9/21/1999	MW-6 3/23/2000	MW-6 6/19/2001	MW-6 6/11/2002	MW-6 6/2/2003	MW-6 6/8/2004	MW-6 6/13/2005	MW-6 6/20/2006	MW-6 6/25/2007	MW-6 4/25/2008
TOTAL VOC																	
				100	3	2.5	1	1.1	1.2	1.5	0	0	0	0	0	0.32	0.23
Volatile Organic Compound																	
1,1,1,2-Tetrachloroethane	70	70		0.52													1 U
1,1,1-Trichloroethane	200	200	200	9100	1 U	1 U	0 U	1 U	1 U	0 U	0 U	0 U	5 U	5 U	5 U	5 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U		1 U	1 U				1 U	1 U	5 U	5 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	1 U	0 U	1 U	1 U	0 U	0 U	0 U	3 U	3 U	5 U	5 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300					1 U								
1,1,2-Trichlorotrifluoroethane	63000	170000		59000													
1,1-Dichloroethane	31	160		2.4	1	3	2.5	1	1.1	1.2	1.5	0 U	5 U	5 U	5 U	5 U	0.32 J
1,1-Dichloroethene	7	7	7	340	1 U	1 U	0 U	1 U	1 U	0 U	0 U	0 U	2 U	2 U	5 U	5 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065													1 U
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	0 U	1 U	1 U	0 U	0 U	0 U	2 U	2 U	5 U	5 U	1 U
1,2-Dichloroethene	70	70	70	330				1 U									
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U		1 U	1 U				1 U	1 U	5 U	5 U	1 U
1,3-Dichlorobenzene	600	600							2 U								
1,3-Dichloropropene	6.6	26		0.43													
1,4-Dioxane	6.4	32		0.67									1000 U	1000 U	1000 U	1000 U	200 U
2-Butanone	4000	4000		7100	10 U	10 U		20 U					5 U	5 U	5 U	5 U	10 U
2-Chloroethyl Vinyl Ether					10 U	10 U			1 U				5 U	5 U	10 U	10 U	
2-Hexanone	11	44		47	10 U	10 U		20 U									10 U
4-Methyl-2-Pentanone	2900	8200		2000	10 U	10 U		10 U									10 U
Acetone	33000	92000		22000	10 U	10 U	0 U	20 U		0 U	0 U						10 U
Acrolein	0.042	0.18		0.042									100 U	100 U	100 U	100 U	
Acrylonitrile	0.72	3.7		0.045									50 U	50 U	100 U	100 U	20 U
Benzene	5	5	5	0.41	1 U	1 U	0 U	1 U		0 U	0 U	0 U	1 U	1 U	5 U	5 U	1 U
Bromochloromethane	90	90															1 U
Bromodichloromethane	80	80		0.12	1 U	1 U	0 U	1 U	1 U	0 U	0 U	0 U	1 U	1 U	5 U	5 U	1 U
Bromoform	80	80		8.5	1 U	1 U		1 U	1 U				4 U	4 U	5 U	5 U	1 U
Bromomethane	10	10		8.7	2 U	2 U		1 U	2 U				5 U	5 U	5 U	5 U	1 U
Carbon Disulfide	1500	6200		1000	1 U	1 U	0 U	10 U		0 U	0 U	0 U					1 U
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	0 U	1 U	1 U	0 U	0 U	0 U	2 U	2 U	5 U	5 U	1 U
Chlorobenzene	100	100	100	91	1 U	1 U	0 U	1 U	2 U	0 U	0 U	0 U	5 U	5 U	5 U	5 U	1 U
Chlorodibromomethane	80	80		0.15	1 U	1 U		1 U	1 U				5 U	5 U	5 U	5 U	1 U
Chloroethane	230	900		21000	2 U	2 U	0 U	1 U	2 U	0 U	0 U	0 U	5 U	5 U	5 U	5 U	1 U
Chloroform	80	80		0.19	1 U	1 U	0 U	1 U	1 U	0 U	0 U	0 U	5 U	5 U	5 U	5 U	1 U
Chloromethane	30	30		190	2 U	2 U		1 U					5 U	5 U	5 U	5 U	1 U
cis-1,2-Dichloroethene	70	70	70	73	1 U	1 U	0 U			0 U	0 U	0 U	5 U	5 U	5 U	5 U	1 U
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U		1 U	1 U				5 U	5 U	5 U	5 U	1 U
Ethylbenzene	700	700	700	1.5	1 U	1 U	0 U	1 U		0 U	0 U	0 U	4 U	4 U	5 U	5 U	1 U
Methyl tert-butyl ether	20	20		12													1 U
Methylene chloride	5	5		4.8	2 U	2 U	0 U	1 U	1 U	0 U	0 U	0 U	3 U	3 U	5 U	5 U	1 U
Styrene	100	100	100	1600	1 U	1 U		1 U									1 U
Tetrachloroethene	5	5	5	0.11	1 U	1 U	0 U	1 U	1 U	0 U	0 U	0 U	1 U	1 U	5 U	5 U	1 U
Toluene	1000	1000	1000	2300	1 U	1 U	0 U	1 U		0 U	0 U	0 U	5 U	5 U	5 U	5 U	1 U
trans-1,2-Dichloroethene	100	100	100	110	1 U	1 U	0 U		1 U	0 U	0 U	0 U	5 U	5 U	5 U	5 U	1 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 2.4-3
Groundwater Data Summary - VOC 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 4/28/1994	MW-6 7/11/1994	MW-6 12/11/1998	MW-6 9/21/1999	MW-6 3/23/2000	MW-6 6/19/2001	MW-6 6/11/2002	MW-6 6/2/2003	MW-6 6/8/2004	MW-6 6/13/2005	MW-6 6/20/2006	MW-6 6/25/2007	MW-6 4/25/2008
trans-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U		1 U	1 U				5 U	5 U	5 U	5 U	1 U
Trichloroethene	5	5	5	2	1 U	1 U	0 U	1 U	1 U	0 U	0 U	0 U	1 U	1 U	5 U	5 U	1 U
Vinyl Acetate	420	1800		410	10 U	10 U											
Vinyl Chloride	2	2	2	0.016	2 U	2 U	0 U	1 U	1 U	0 U	0 U	0 U	5 U	5 U	5 U	5 U	1 U
VOC Library Search								0 U									
Xylenes (Total)	10000	10000	10000	200	5 U	5 U	0 U	1 U		0 U	0 U						3 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 2.4-3
Groundwater Data Summary - VOC 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 9/8/2008	MW-6 6/16/2009	MW-7 4/29/1986	MW-7 7/22/1986	MW-7 4/2/1990	MW-7 2/28/1991	MW-7 4/28/1994	MW-7 7/11/1994	MW-7 9/28/1999	MW-7 4/5/2000	MW-7 6/4/2003	MW-7 Dup 6/9/2004
TOTAL VOC																
				100	0	758	3229	3012	962	1345	3000	7150	6042	4357.3	112	2879
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52	1 U	1 U										
1,1,1-Trichloroethane	200	200	200	9100	1 U	1 U	11	5	53	9	50	140	1500	1200	599	5 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	1 U	1 U	200 U	50 U	5 U	10 U	100 U	10 U		1 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	1 U	1 U	1	100 U	5 U	5 U	10 U	100 U	10 U	1.2	3 U
1,1,2-Trichlorofluoromethane	2000	2000		1300										10 U		
1,1,2-Trichlorotrifluoroethane	63000	170000		59000					50 U	1 U						
1,1-Dichloroethane	31	160		2.4	1 U	1 U	1 U	1 U	1	1 U	5 U	10 U	100 U	72	70	5 U
1,1-Dichloroethene	7	7	7	340	1 U	1 U	2	2	18	3	35	90	500	590	302	2 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	1 U	1 U										
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	1 U	1 U	1 U	1 U	5 U	10 U	100 U	10 U	1.8	2 U
1,2-Dichloroethene	70	70	70	330									570			
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U	1 U	1 U	5 U	10 U	100 U	10 U		1 U
1,3-Dichlorobenzene	600	600												20 U		
1,3-Dichloropropene	6.6	26		0.43					1 U							
1,4-Dioxane	6.4	32		0.67	200 U	200 U										1000 U
2-Butanone	4000	4000		7100	10 U	10 U					50 U	100 U	2000 U			5 U
2-Chloroethyl Vinyl Ether							10 U	10 U	10 U	10 U	50 U	100 U		10 U		5 U
2-Hexanone	11	44		47	10 U	10 U					50 U	100 U	2000 U			
4-Methyl-2-Pentanone	2900	8200		2000	10 U	10 U					50 U	100 U	1000 U			
Acetone	33000	92000		22000	10 U	10 U					50 U	100 U	2000 U			
Acrolein	0.042	0.18		0.042												100 U
Acrylonitrile	0.72	3.7		0.045	20 U	20 U										50 U
Benzene	5	5	5	0.41	1 U	1 U	2 U	2 U	100 U	20 U	5 U	10 U	100 U		0 U	1 U
Bromochloromethane	90	90			1 U	1 U										
Bromodichloromethane	80	80		0.12	1 U	1 U			2 U		5 U	10 U	100 U	10 U	0 U	1 U
Bromoform	80	80		8.5	1 U	1 U	1 U	2 U	2 U	2 U	5 U	10 U	100 U	10 U		4 U
Bromomethane	10	10		8.7	1 U	1 U	5 U	5 U	5 U	5 U	10 U	20 U	100 U	20 U		5 U
Carbon Disulfide	1500	6200		1000	1 U	1 U					5 U	10 U	1000 U			
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	1 U	1 U	5 U	1 U	5 U	10 U	100 U	10 U	3.3	2 U
Chlorobenzene	100	100	100	91	1 U	1 U	1 U	1 U	1 U	1 U	5 U	10 U	100 U	20 U	0 U	5 U
Chlorodibromomethane	80	80		0.15	1 U	1 U	1 U	2 U	200 U	10 U			100 U	10 U		5 U
Chloroethane	230	900		21000	1 U	1 U	1 U	1 U	1 U	1 U	10 U	20 U	100 U	20 U	0 U	5 U
Chloroform	80	80		0.19	1 U	1 U	1 U	1 U	50 U	1 U	5 U	10 U	100 U	10 U	2.7	5 U
Chloromethane	30	30		190	1 U	1 U	5 U	5 U	5 U	5 U	10 U		100 U			5 U
cis-1,2-Dichloroethene	70	70	70	73	1 U	1 U	110	1040		260	160	270				5 U
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	1 U		1 U	5 U	10 U	100 U	10 U		5 U
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	1 U	1 U	1 U	5 U	10 U	100 U		0 U	4 U
Methyl tert-butyl ether	20	20		12	1 U	1 U										
Methylene chloride	5	5		4.8	1 U	1 U	1 U	2 U	2 U	2 U	10 U	20 U	100 U	10 U	0 U	3 U
Styrene	100	100	100	1600	1 U	1 U					5 U	10 U	100 U			
Tetrachloroethene	5	5	5	0.11	1 U	1 U	35	105	430	180	310	700	580	680	555	89
Toluene	1000	1000	1000	2300	1 U	1 U	2 U	2 U	2 U	2 U	5 U	10 U	100 U		0 U	5 U
trans-1,2-Dichloroethene	100	100	100	110	1 U	1 U			810		5 U	10 U		10 U	2.3	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 2.4-3
Groundwater Data Summary - VOC 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 9/8/2008	MW-6 6/16/2009	MW-7 4/29/1986	MW-7 7/22/1986	MW-7 4/2/1990	MW-7 2/28/1991	MW-7 4/28/1994	MW-7 7/11/1994	MW-7 9/28/1999	MW-7 4/5/2000	MW-7 6/4/2003	MW-7 Dup 6/9/2004
trans-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U					5 U	10 U	100 U	10 U		5 U
Trichloroethene	5	5	5	2	0.23 J	1 U	600	2076	1700	510	790	1800	4000	3500	2820	23
Vinyl Acetate	420	1800		410							50 U	100 U				
Vinyl Chloride	2	2	2	0.016	1 U	1 U	1 U	1 U	1 U	1 U	10 U	20 U	100 U	10 U	0 U	5 U
VOC Library Search													0 U			
Xylenes (Total)	10000	10000	10000	200	3 U	3 U					25 U	50 U	100 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 2.4-3
Groundwater Data Summary - VOC 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 6/9/2004	MW-7 6/17/2005	MW-7 6/23/2006	MW-7 6/28/2007	MW-7 5/19/2008	MW-7 10/1/2008	MW-7 7/7/2009	MW-7 6/29/2010	MW-8 4/29/1986	MW-8 7/22/1986	MW-8 4/2/1990	MW-8 10/31/1995
TOTAL VOC																
				100	2717	2031	2396	2099	1779	1504	1725	679	2427	636	6155	2630
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52					50 U	50 U	50 U	50 U				
1,1,1-Trichloroethane	200	200	200	9100	190	200	96	96	96	85	59	50 U	117	289	160	430
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	10 U	10 U	50 U	75 U	50 U	50 U	50 U	50 U	1 U	1 U	50 U	
1,1,2-Trichloroethane	5	5	5	0.24	30 U	30 U	50 U	75 U	50 U	50 U	50 U	50 U	1 U	1 U	10 U	
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1,2-Trichlorotrifluoroethane	63000	170000		59000											1 U	
1,1-Dichloroethane	31	160		2.4	19 J	27 J	50 U	75 U	50 U	17 J	12 J	19 J	3	13	7	23
1,1-Dichloroethene	7	7	7	340	120	120	85	90	94	77	59	52	7	20	15	92
1,2-Dibromoethane	0.05	0.05	0.05	0.0065					50 U	50 U	50 U	50 U				
1,2-Dichloroethane	5	5	5	0.15	20 U	20 U	50 U	75 U	50 U	50 U	50 U	50 U	1 U	1 U	2 U	
1,2-Dichloroethene	70	70	70	330												
1,2-Dichloropropane	5	5	5	0.39	10 U	10 U	50 U	75 U	50 U	50 U	50 U	50 U	1 U	1 U	1 U	
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.43											1 U	
1,4-Dioxane	6.4	32		0.67	10000 U	10000 U	10000 U	15000 U	10000 U	10000 U	10000 U	10000 U				
2-Butanone	4000	4000		7100	50 U	50 U	50 U	75 U	500 U	500 U	500 U	500 U				
2-Chloroethyl Vinyl Ether					50 U	50 U	100 U	150 U					10 U	1 U	10 U	
2-Hexanone	11	44		47					500 U	500 U	500 U	500 U				
4-Methyl-2-Pentanone	2900	8200		2000					500 U	500 U	500 U	500 U				
Acetone	33000	92000		22000					500 U	500 U	500 U	500 U				
Acrolein	0.042	0.18		0.042	1000 U	1000 U	1000 U	1500 U								
Acrylonitrile	0.72	3.7		0.045	500 U	500 U	1000 U	1500 U	1000 U	1000 U	1000 U	1000 U				
Benzene	5	5	5	0.41	10 U	10 U	50 U	75 U	50 U	50 U	50 U	50 U	2 U	2 U	20 U	
Bromochloromethane	90	90							50 U	50 U	50 U	50 U				
Bromodichloromethane	80	80		0.12	10 U	10 U	50 U	75 U	50 U	50 U	50 U	50 U			5 U	
Bromoform	80	80		8.5	40 U	40 U	50 U	75 U	50 U	50 U	50 U	50 U	1 U	2 U	2 U	
Bromomethane	10	10		8.7	50 U	50 U	50 U	75 U	50 U	50 U	50 U	50 U	5 U	5 U	5 U	
Carbon Disulfide	1500	6200		1000					50 U	50 U	50 U	50 U				
Carbon Tetrachloride	5	5	5	0.44	20 U	20 U	50 U	75 U	50 U	50 U	50 U	50 U	1 U	5 U	10 U	
Chlorobenzene	100	100	100	91	50 U	50 U	50 U	75 U	50 U	50 U	50 U	50 U	1 U	1 U	1 U	
Chlorodibromomethane	80	80		0.15	50 U	50 U	50 U	75 U	50 U	50 U	50 U	50 U	1 U	2 U	20 U	
Chloroethane	230	900		21000	50 U	50 U	50 U	75 U	50 U	50 U	50 U	50 U	1 U	1 U	1 U	
Chloroform	80	80		0.19	50 U	50 U	50 U	75 U	50 U	50 U	50 U	50 U	14	1	5	
Chloromethane	30	30		190	50 U	50 U	50 U	75 U	50 U	50 U	50 U	50 U	5 U	5 U	5 U	
cis-1,2-Dichloroethene	70	70	70	73	330	330	350	310	290	300	300	300	35	410		
cis-1,3-Dichloropropene	6.6	26		0.43	50 U	50 U	50 U	75 U	50 U	50 U	50 U	50 U	1 U	1 U		
Ethylbenzene	700	700	700	1.5	40 U	40 U	50 U	75 U	50 U	50 U	50 U	50 U	1 U	1 U	1 U	
Methyl tert-butyl ether	20	20		12					50 U	50 U	50 U	50 U				
Methylene chloride	5	5		4.8	30 U	30 U	50 U	75 U	39 J	50 U	54 B	14 J	1 U	2 U	2 U	
Styrene	100	100	100	1600					50 U	50 U	50 U	50 U				
Tetrachloroethene	5	5	5	0.11	720	640	400	700	480	300	270	410	203	750	150	2400
Toluene	1000	1000	1000	2300	50 U	50 U	50 U	75 U	50 U	50 U	50 U	50 U	2 U	2 U	2 U	
trans-1,2-Dichloroethene	100	100	100	110	50 U	50 U	50 U	75 U	50 U	50 U	50 U	50 U			69	610

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 2.4-3
Groundwater Data Summary - VOC 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 6/9/2004	MW-7 6/17/2005	MW-7 6/23/2006	MW-7 6/28/2007	MW-7 5/19/2008	MW-7 10/1/2008	MW-7 7/7/2009	MW-7 6/29/2010	MW-8 4/29/1986	MW-8 7/22/1986	MW-8 4/2/1990	MW-8 10/31/1995
trans-1,3-Dichloropropene	6.6	26		0.43	50 U	50 U	50 U	75 U	50 U	50 U	50 U	50 U				
Trichloroethene	5	5	5	2	1500	1400	1100	1200	1100	1000	750	930	300	944	230	2600
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	50 U	50 U	50 U	75 U	50 U	50 U	50 U	50 U	1 U	1 U	1 U	
VOC Library Search																
Xylenes (Total)	10000	10000	10000	200					150 U	150 U	150 U	150 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 2.4-3
Groundwater Data Summary - VOC 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-8 9/29/1999	MW-8 4/4/2000	MW-8 5/19/2008	MW-8 6/18/2010	MW-9 12/4/1986	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 1/29/1992	MW-10 6/22/1993
TOTAL VOC																
				100	1479	109.24	530.6	161	318	338.2	188.64	36	157	655	1330	1040
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52			2 U	25 U				5 U				
1,1,1-Trichloroethane	200	200	200	9100	160	63	0.74 J	25 U	1 U	1 U	10 U	5 U	2	1 U		10 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	5 U	10 U	2 U	25 U	1 U	1 U	2 U	5 U	1 U	1 U		10 U
1,1,2-Trichloroethane	5	5	5	0.24	5 U	10 U	2 U	25 U	1 U	1 U	6 U	5 U	1 U	1 U		10 U
1,1,2-Trichlorofluoromethane	2000	2000		1300		10 U										
1,1,2-Trichlorotrifluoroethane	63000	170000		59000						1				1 U		
1,1-Dichloroethane	31	160		2.4	8	10 U	2 U	25 U	1 U	1 U	10 U	5 U	1 U	1 U		10 U
1,1-Dichloroethene	7	7	7	340	22	16	2 U	25 U	1 U	1 U	4 U	5 U	1 U	1 U		10 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065			2 U	25 U				5 U				
1,2-Dichloroethane	5	5	5	0.15	5 U	10 U	2 U	25 U	1 U	1 U	4 U	5 U	1 U	1 U		10 U
1,2-Dichloroethene	70	70	70	330	180											
1,2-Dichloropropane	5	5	5	0.39	5 U	10 U	2 U	25 U	1 U	1 U	2 U	5 U	1 U	1 U		10 U
1,3-Dichlorobenzene	600	600				20 U										
1,3-Dichloropropene	6.6	26		0.43												
1,4-Dioxane	6.4	32		0.67			400 U	5000 U			2000 U	1000 U				
2-Butanone	4000	4000		7100	100 U		20 U	250 U			10 U	50 U				
2-Chloroethyl Vinyl Ether						10 U			10 U	10 U	10 U		10 U	10 U		100 U
2-Hexanone	11	44		47	100 U		20 U	250 U				50 U				
4-Methyl-2-Pentanone	2900	8200		2000	50 U		20 U	250 U				50 U				
Acetone	33000	92000		22000	100 U		20 U	250 U				50 U				
Acrolein	0.042	0.18		0.042							200 U					
Acrylonitrile	0.72	3.7		0.045			40 U	500 U			100 U	100 U				
Benzene	5	5	5	0.41	5 U		2 U	25 U	2 U	2 U	2 U	5 U	2 U	2 U		10 U
Bromochloromethane	90	90					2 U	25 U				5 U				
Bromodichloromethane	80	80		0.12	5 U	10 U	2 U	25 U			2 U	5 U				
Bromoform	80	80		8.5	5 U	10 U	2 U	25 U	2 U	2 U	8 U	5 U	2 U	2 U		10 U
Bromomethane	10	10		8.7	5 U	20 U	2 U	25 U	5 U	5 U	10 U	5 U	5 U	5 U		
Carbon Disulfide	1500	6200		1000	50 U		2 U	5.6 J				5 U				
Carbon Tetrachloride	5	5	5	0.44	5 U	10 U	2 U	25 U	1 U	1 U	4 U	5 U	1 U	1 U		10 U
Chlorobenzene	100	100	100	91	5 U	20 U	2 U	25 U	1 U	1 U	10 U	5 U	1 U	1 U		10 U
Chlorodibromomethane	80	80		0.15	5 U	10 U	2 U	25 U	2 U	2 U	10 U	5 U	2 U	2 U		10 U
Chloroethane	230	900		21000	5 U	20 U	2 U	25 U	1 U	1 U	10 U	5 U	1 U	1 U		20 U
Chloroform	80	80		0.19	5 U	10 U	1.5 J	25 U	1 U	1 U	10 U	5 U	1 U	1 U		10 U
Chloromethane	30	30		190	5 U		2 U	25 U	5 U	5 U	10 U	5 U	5 U	5 U		
cis-1,2-Dichloroethene	70	70	70	73			8.5	35	1	2	69	32	1 U	1	25	30
cis-1,3-Dichloropropene	6.6	26		0.43	5 U	10 U	2 U	25 U	1 U	1 U	10 U	5 U	1 U	1 U		10 U
Ethylbenzene	700	700	700	1.5	5 U		2 U	25 U	1 U	1 U	8 U	0.34 J	1 U	1 U		10 U
Methyl tert-butyl ether	20	20		12			2 U	25 U				5 U				
Methylene chloride	5	5		4.8	5 U	10 U	1.5 J	25 U	2 U	2 U	6 U	1.8 J	2 U	2 U		20 U
Styrene	100	100	100	1600	5 U		2 U	25 U				5 U				
Tetrachloroethene	5	5	5	0.11	1400	710	54	320	1 U	1 U	0.9 J	2.2 J	1 U	1 U		10 U
Toluene	1000	1000	1000	2300	5 U		2 U	25 U	2 U	2 U	10 U	5 U	2 U	2 U		10 U
trans-1,2-Dichloroethene	100	100	100	110		10 U	2 U	25 U			10 U	5 U				10 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 2.4-3
Groundwater Data Summary - VOC 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-8 9/29/1999	MW-8 4/4/2000	MW-8 5/19/2008	MW-8 6/18/2010	MW-9 12/4/1986	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 1/29/1992	MW-10 6/22/1993
trans-1,3-Dichloropropene	6.6	26		0.43	5 U	10 U	2 U	25 U			10 U	5 U				
Trichloroethene	5	5	5	2	860	690	43	170	160	315	260	150	34	156	630	1300
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	5 U	10 U	2 U	25 U	1 U	1 U	8.3 J	2.3 J	1 U	1 U		20 U
VOC Library Search					0 U											
Xylenes (Total)	10000	10000	10000	200	5 U		6 U	75 U				15 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 2.4-3
Groundwater Data Summary - VOC 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 7/15/1994	MW-10 10/31/1995	MW-10 7/16/1996	MW-10 10/22/1997	MW-10 12/8/1998	MW-10 9/15/1999	MW-10 3/27/2000	MW-10 6/22/2001	MW-10 6/14/2002	MW-10 6/4/2003	MW-10 6/9/2004	MW-10 6/16/2005
TOTAL VOC																
				100	530	426	480	606	169	537	220	219	214	196	351	357
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52												
1,1,1-Trichloroethane	200	200	200	9100	10 U		5.0 U	0 U	0 U		1 U	0 U	0 U	0 U	10 U	10 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	10 U		5.0 U				1 U				2 U	2 U
1,1,2-Trichloroethane	5	5	5	0.24	10 U		5.0 U	0 U	0 U		1 U	0 U	0 U	0 U	6 U	6 U
1,1,2-Trichlorofluoromethane	2000	2000		1300							1 U					
1,1,2-Trichlorotrifluoroethane	63000	170000		59000												
1,1-Dichloroethane	31	160		2.4	10 U		5.0 U	0 U	0 U		1 U	0 U	0 U	0 U	10 U	10 U
1,1-Dichloroethene	7	7	7	340	10 U		5.0 U	0 U	0 U		1 U	0 U	0 U	0 U	4 U	4 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065												
1,2-Dichloroethane	5	5	5	0.15	10 U		5.0 U	0 U	0 U		1 U	0 U	0 U	0 U	4 U	4 U
1,2-Dichloroethene	70	70	70	330												
1,2-Dichloropropane	5	5	5	0.39	10 U		5.0 U			10 U	1 U				2 U	2 U
1,3-Dichlorobenzene	600	600									2 U					
1,3-Dichloropropene	6.6	26		0.43												
1,4-Dioxane	6.4	32		0.67											2000 U	2000 U
2-Butanone	4000	4000		7100	100 U		100 U								10 U	10 U
2-Chloroethyl Vinyl Ether					100 U		50 U				1 U				10 U	10 U
2-Hexanone	11	44		47	100 U		50 U									
4-Methyl-2-Pentanone	2900	8200		2000	100 U		50 U									
Acetone	33000	92000		22000	100 U		100 U	0 U	0 U	200 U		0 U	0 U			
Acrolein	0.042	0.18		0.042											200 U	200 U
Acrylonitrile	0.72	3.7		0.045											100 U	100 U
Benzene	5	5	5	0.41	10 U		5.0 U	0 U	0 U			0 U	0 U	0 U	2 U	2 U
Bromochloromethane	90	90														
Bromodichloromethane	80	80		0.12	10 U		5.0 U	0 U	0 U		1 U	0 U	0 U	0 U	2 U	2 U
Bromoform	80	80		8.5	10 U		5.0 U				1 U				8 U	8 U
Bromomethane	10	10		8.7	20 U		10 U			10 U	2 U				10 U	10 U
Carbon Disulfide	1500	6200		1000	10 U		5.0 U	0 U	0 U			0 U	0 U			
Carbon Tetrachloride	5	5	5	0.44	10 U		5.0 U	0 U	0 U		1 U	0 U	0 U	0 U	4 U	4 U
Chlorobenzene	100	100	100	91	10 U		5.0 U	0 U	0 U	1 U	2 U	0 U	0 U	0 U	10 U	10 U
Chlorodibromomethane	80	80		0.15			5.0 U				1 U				10 U	10 U
Chloroethane	230	900		21000	20 U		10 U	0 U	0 U	10 U	2 U	0 U	0 U	0 U	10 U	10 U
Chloroform	80	80		0.19	10 U		5.0 U	0 U	0 U		1 U	0 U	0 U	0 U	10 U	10 U
Chloromethane	30	30		190	20 U		10 U			10 U					10 U	10 U
cis-1,2-Dichloroethene	70	70	70	73	470		56		66	150		205	29		36	130
cis-1,3-Dichloropropene	6.6	26		0.43	10 U		5.0 U			10 U	1 U				10 U	10 U
Ethylbenzene	700	700	700	1.5	10 U		5.0 U	0 U	0 U	1 U		0 U	0 U	0 U	8 U	8 U
Methyl tert-butyl ether	20	20		12												
Methylene chloride	5	5		4.8	20 U		10 U	0 U	0 U	10 U	1 U	0 U	0 U	0 U	6 U	6 U
Styrene	100	100	100	1600	10 U		5.0 U			1 U						
Tetrachloroethene	5	5	5	0.11	10 U		5.0 U	0 U	0 U		1 U	0 U	0 U	0 U	2 U	2 U
Toluene	1000	1000	1000	2300	10 U		5.0 U	0 U	0 U			0 U	0 U	0 U	10 U	10 U
trans-1,2-Dichloroethene	100	100	100	110	10 U		5.0 U	0 U	0 U		1 U	0 U	0 U	0 U	10 U	10 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 2.4-3
Groundwater Data Summary - VOC 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 7/15/1994	MW-10 10/31/1995	MW-10 7/16/1996	MW-10 10/22/1997	MW-10 12/8/1998	MW-10 9/15/1999	MW-10 3/27/2000	MW-10 6/22/2001	MW-10 6/14/2002	MW-10 6/4/2003	MW-10 6/9/2004	MW-10 6/16/2005
trans-1,3-Dichloropropene	6.6	26		0.43	10 U		5.0 U				1 U				10 U	10 U
Trichloroethene	5	5	5	2	570	530	370	480	540	19	537	15	190	214	160	220
Vinyl Acetate	420	1800		410	100 U		50 U									
Vinyl Chloride	2	2	2	0.016	20 U		10 U	0 U	0 U	10 U	1 U	0 U	0 U	0 U	10 U	1 J
VOC Library Search																
Xylenes (Total)	10000	10000	10000	200	50 U		25 U	0 U	0 U	1 U		0 U	0 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 2.4-3
Groundwater Data Summary - VOC 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 6/21/2006	MW-10 6/26/2007	MW-10 Dup 6/26/2007	MW-10 5/9/2008	MW-10 9/22/2008	MW-10 6/30/2009	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
TOTAL VOC																
				100	390	380	327.1	317	530.4	294.6	1102	431	282	352	9.2	5.58
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52				25 U	25 U	25 U	10 U					
1,1,1-Trichloroethane	200	200	200	9100	12 U	10 U	10 U	25 U	25 U	25 U	10 U	1 U	1 U	1 U	1 U	5 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	12 U	10 U	10 U	25 U	25 U	25 U	10 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	12 U	10 U	10 U	25 U	25 U	25 U	10 U	10 U	5 U	1 U	5 U	3 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1,2-Trichlorotrifluoroethane	63000	170000		59000								1 U	1 U	1 U	1 U	
1,1-Dichloroethane	31	160		2.4	12 U	10 U	10 U	25 U	25 U	25 U	10 U	1 U	1 U	1 U	1 U	5 U
1,1-Dichloroethene	7	7	7	340	12 U	10 U	10 U	25 U	25 U	25 U	10 U	1 U	1 U	1 U	1 U	2 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065				25 U	25 U	25 U	10 U					
1,2-Dichloroethane	5	5	5	0.15	12 U	10 U	10 U	25 U	25 U	25 U	10 U	1 U	1 U	1 U	1 U	2 U
1,2-Dichloroethene	70	70	70	330												
1,2-Dichloropropane	5	5	5	0.39	12 U	10 U	10 U	25 U	25 U	25 U	10 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.43												
1,4-Dioxane	6.4	32		0.67	2500 U	2000 U	2000 U	5000 U	5000 U	5000 U	2000 U					1000 U
2-Butanone	4000	4000		7100	12 U	10 U	10 U	250 U	250 U	250 U	100 U					5 U
2-Chloroethyl Vinyl Ether					25 U	20 U	20 U					10 U	10 U	10 U	10 U	5 U
2-Hexanone	11	44		47				250 U	250 U	250 U	100 U					
4-Methyl-2-Pentanone	2900	8200		2000				250 U	250 U	250 U	100 U					
Acetone	33000	92000		22000				250 U	250 U	250 U	100 U					
Acrolein	0.042	0.18		0.042	250 U	200 U	200 U									100 U
Acrylonitrile	0.72	3.7		0.045	250 U	200 U	200 U	500 U	500 U	500 U	200 U					50 U
Benzene	5	5	5	0.41	12 U	10 U	10 U	25 U	25 U	25 U	10 U	2 U	2 U	10 U	10 U	1 U
Bromochloromethane	90	90						25 U	25 U	25 U	10 U					
Bromodichloromethane	80	80		0.12	12 U	10 U	10 U	25 U	25 U	25 U	10 U					1 U
Bromoform	80	80		8.5	12 U	10 U	10 U	25 U	25 U	25 U	10 U	2 U	2 U	2 U	2 U	4 U
Bromomethane	10	10		8.7	12 U	10 U	10 U	25 U	25 U	25 U	10 U	5 U	5 U	5 U	5 U	5 U
Carbon Disulfide	1500	6200		1000				25 U	25 U	25 U	4.5 J					
Carbon Tetrachloride	5	5	5	0.44	12 U	10 U	10 U	25 U	25 U	25 U	10 U	1 U	1 U	1 U	1 U	2 U
Chlorobenzene	100	100	100	91	12 U	10 U	10 U	25 U	25 U	25 U	10 U	1 U	1 U	1 U	1 U	5 U
Chlorodibromomethane	80	80		0.15	12 U	10 U	10 U	25 U	25 U	25 U	10 U	20 U	10 U	2 U	10 U	5 U
Chloroethane	230	900		21000	12 U	10 U	10 U	25 U	25 U	25 U	10 U	1 U	1 U	1 U	1 U	5 U
Chloroform	80	80		0.19	12 U	10 U	10 U	25 U	25 U	25 U	10 U	1 U	1 U	1 U	1 U	5 U
Chloromethane	30	30		190	12 U	10 U	10 U	25 U	25 U	25 U	10 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	73	77	110	100	260	290	340	200	1 U	2 U	1 U	1 U	5 U
cis-1,3-Dichloropropene	6.6	26		0.43	12 U	10 U	10 U	25 U	25 U	25 U	10 U	1 U	1 U	1 U	1 U	5 U
Ethylbenzene	700	700	700	1.5	12 U	10 U	10 U	25 U	25 U	25 U	10 U	1 U	1 U	1 U	1 U	4 U
Methyl tert-butyl ether	20	20		12				25 U	25 U	25 U	10 U					
Methylene chloride	5	5		4.8	12 U	10 U	10 U	25 U	12 J B	8.4 J	2.3 J	5 U	2 U	2 U	2 U	3 U
Styrene	100	100	100	1600				25 U	25 U	25 U	10 U					
Tetrachloroethene	5	5	5	0.11	12 U	10 U	10 U	25 U	25 U	25 U	10 U	2	1	2	2	0.8 J
Toluene	1000	1000	1000	2300	12 U	10 U	10 U	25 U	25 U	25 U	10 U	2 U	2 U	2 U	2 U	5 U
trans-1,2-Dichloroethene	100	100	100	110	12 U	10 U	10 U	25 U	25 U	25 U	10 U					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 2.4-3
Groundwater Data Summary - VOC 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 6/21/2006	MW-10 6/26/2007	MW-10 Dup 6/26/2007	MW-10 5/9/2008	MW-10 9/22/2008	MW-10 6/30/2009	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
trans-1,3-Dichloropropene	6.6	26		0.43	12 U	10 U	10 U	25 U	25 U	25 U	10 U					5 U
Trichloroethene	5	5	5	2	280	280	280	62	25 U	170	78	1100	430	280	350	8.4
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	12 U	10 U	10 U	5.1 J	15 J	12 J	9.8 J	1 U	1 U	1 U	1 U	5 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	200				75 U	75 U	75 U	30 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 2.4-3
Groundwater Data Summary - VOC 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-11 4/24/2008	MW-12 5/26/1987	MW-12 10/31/1990	MW-12 2/6/1991	MW-12 4/25/1991	MW-12 1/29/1992	MW-12 6/22/1993	MW-12 7/14/1994	MW-12 7/14/1994	MW-12 10/11/1995	MW-12 7/18/1996	MW-12 10/23/1997
TOTAL VOC																
				100	1041	3008	581	599	980	326	220	220	387	310	325	124
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52	1 U											
1,1,1-Trichloroethane	200	200	200	9100	1 U	1 U	1 U	1 U	1 U	1 U	2 U				10 U	0 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	1 U	1 U	1 U	2 U	2 U				10 U	
1,1,2-Trichloroethane	5	5	5	0.24	1 U	10 U	60 U	5 U	5 U	1 U	2 U				10 U	0 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1,2-Trichlorotrifluoroethane	63000	170000		59000		1 U	1 U	1 U	1 U	1 U						
1,1-Dichloroethane	31	160		2.4	1 U	1 U	1 U	1 U	1 U	1 U	2 U				10 U	0 U
1,1-Dichloroethene	7	7	7	340	1 U	1 U	1 U	1 U	1 U	1 U	2 U				10 U	0 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	1 U											
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	1 U	1 U	1 U	1 U	2 U				10 U	0 U
1,2-Dichloroethene	70	70	70	330												
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U	1 U	1 U	2 U				10 U	
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.43												
1,4-Dioxane	6.4	32		0.67	200 U											
2-Butanone	4000	4000		7100	10 U										200 U	
2-Chloroethyl Vinyl Ether						10 U	10 U	10 U	10 U	10 U	20 U				100 U	
2-Hexanone	11	44		47	10 U										100 U	
4-Methyl-2-Pentanone	2900	8200		2000	10 U										100 U	
Acetone	33000	92000		22000	10 U										200 U	0 U
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045	20 U											
Benzene	5	5	5	0.41	1 U	20 U	5 U	25 U	10 U	20 U	2 U				10 U	0 U
Bromochloromethane	90	90			1 U											
Bromodichloromethane	80	80		0.12	1 U										10 U	0 U
Bromoform	80	80		8.5	1 U	2 U	2 U	2 U	2 U	2 U	2 U				10 U	
Bromomethane	10	10		8.7	1 U	5 U	5 U	5 U	5 U	5 U					20 U	
Carbon Disulfide	1500	6200		1000	1 U										10 U	0 U
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	1 U	1 U	1 U	1 U	2 U				10 U	0 U
Chlorobenzene	100	100	100	91	1 U	1 U	1 U	1 U	1 U	1 U	2 U				10 U	0 U
Chlorodibromomethane	80	80		0.15	1 U	20 U	60 U	10 U	10 U	20 U	2 U				10 U	
Chloroethane	230	900		21000	1 U	1 U	1 U	1 U	1 U	1 U	4 U				20 U	0 U
Chloroform	80	80		0.19	0.37 J	1 U	5 U	1 U	1 U	1 U	2 U				10 U	0 U
Chloromethane	30	30		190	1 U	5 U	5 U	5 U	5 U	5 U					20 U	
cis-1,2-Dichloroethene	70	70	70	73	1 U	36	190	32	29	75	24				10	
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	1 U	1 U	1 U	2 U				10 U	
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	1 U	1 U	1 U	2 U				10 U	0 U
Methyl tert-butyl ether	20	20		12	1 U											
Methylene chloride	5	5		4.8	1 U	2 U	2 U	2 U	2 U	2 U	4 U				20 U	0 U
Styrene	100	100	100	1600	1 U										10 U	
Tetrachloroethene	5	5	5	0.11	0.31 J	5	18	9	7	5	2				10 U	5
Toluene	1000	1000	1000	2300	1 U	2 U	2 U	2 U	3	2 U	2 U				10 U	0 U
trans-1,2-Dichloroethene	100	100	100	110	1 U						2 U			27	10 U	0 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 2.4-3
Groundwater Data Summary - VOC 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-11 4/24/2008	MW-12 5/26/1987	MW-12 10/31/1990	MW-12 2/6/1991	MW-12 4/25/1991	MW-12 1/29/1992	MW-12 6/22/1993	MW-12 7/14/1994	MW-12 7/14/1994	MW-12 10/11/1995	MW-12 7/18/1996	MW-12 10/23/1997
trans-1,3-Dichloropropene	6.6	26		0.43	1 U										10 U	
Trichloroethene	5	5	5	2	4.9	1000	2800	540	560	900	300	220	220	360	300	320
Vinyl Acetate	420	1800		410											100 U	
Vinyl Chloride	2	2	2	0.016	1 U	1 U	1 U	1 U	1 U	1 U	4 U				20 U	0 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	200	3 U										50 U	0 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 2.4-3
Groundwater Data Summary - VOC 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 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 6/4/2003	MW-12 6/8/2004	MW-12 6/16/2005	MW-12 6/23/2006	MW-12 6/28/2007	MW-12 5/6/2008	MW-12 9/16/2008	MW-12 6/23/2009
TOTAL VOC																	
				100	160	99.1	516.8	345.2	182.4	222.3	213.2	207.2	155.3	59.4	60.89	52.1	270
Volatile Organic Compound																	
1,1,1,2-Tetrachloroethane	70	70		0.52											2 U	2 U	2 U
1,1,1-Trichloroethane	200	200	200	9100	0 U	5 U	1 U	0 U	0 U	0 U	10 U	10 U	5 U	5 U	2 U	2 U	2 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067		5 U	1 U				2 U	2 U	5 U	5 U	2 U	2 U	2 U
1,1,2-Trichloroethane	5	5	5	0.24	0 U	5 U	1 U	0 U	0 U	0 U	6 U	6 U	5 U	5 U	2 U	2 U	2 U
1,1,2-Trichlorofluoromethane	2000	2000		1300			1 U										
1,1,2-Trichlorotrifluoroethane	63000	170000		59000													
1,1-Dichloroethane	31	160		2.4	0 U	5 U	1 U	0 U	0 U	0 U	10 U	10 U	5 U	5 U	2 U	0.91 J	2 U
1,1-Dichloroethene	7	7	7	340	0 U	5 U	1 U	0 U	0 U	0 U	4 U	4 U	5 U	5 U	2 U	2 U	2 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065											2 U	2 U	2 U
1,2-Dichloroethane	5	5	5	0.15	0 U	5 U	1 U	0 U	0 U	0 U	4 U	4 U	5 U	5 U	2 U	2 U	2 U
1,2-Dichloroethene	70	70	70	330		9											
1,2-Dichloropropane	5	5	5	0.39		5 U	1 U				2 U	2 U	5 U	5 U	2 U	2 U	2 U
1,3-Dichlorobenzene	600	600					2 U										
1,3-Dichloropropene	6.6	26		0.43													
1,4-Dioxane	6.4	32		0.67							2000 U	2000 U	1000 U	1000 U	400 U	400 U	400 U
2-Butanone	4000	4000		7100		100 U					10 U	10 U	5 U	5 U	20 U	20 U	20 U
2-Chloroethyl Vinyl Ether							1 U				10 U	10 U	10 U	10 U			
2-Hexanone	11	44		47		100 U									20 U	20 U	20 U
4-Methyl-2-Pentanone	2900	8200		2000		50 U									20 U	20 U	20 U
Acetone	33000	92000		22000	0 U	100 U		0 U	0 U						20 U	20 U	20 U
Acrolein	0.042	0.18		0.042							200 U	200 U	100 U	100 U			
Acrylonitrile	0.72	3.7		0.045							100 U	100 U	100 U	100 U	40 U	40 U	40 U
Benzene	5	5	5	0.41	0 U	5 U		0 U	0 U	0 U	2 U	2 U	5 U	5 U	2 U	2 U	2 U
Bromochloromethane	90	90													2 U	2 U	2 U
Bromodichloromethane	80	80		0.12	0 U	5 U	1 U	0 U	0 U	0 U	2 U	2 U	5 U	5 U	2 U	2 U	2 U
Bromoform	80	80		8.5		5 U	1 U				8 U	8 U	5 U	5 U	2 U	2 U	2 U
Bromomethane	10	10		8.7		5 U	2 U				10 U	10 U	5 U	5 U	2 U	2 U	2 U
Carbon Disulfide	1500	6200		1000	0 U	50 U		0 U	0 U						2 U	2 U	2 U
Carbon Tetrachloride	5	5	5	0.44	0 U	5 U	1 U	0 U	0 U	0 U	4 U	4 U	5 U	5 U	2 U	2 U	2 U
Chlorobenzene	100	100	100	91	0 U	5 U	2 U	0 U	0 U	0 U	10 U	10 U	5 U	5 U	2 U	2 U	2 U
Chlorodibromomethane	80	80		0.15		5 U	1 U				10 U	10 U	5 U	5 U	2 U	2 U	2 U
Chloroethane	230	900		21000	0 U	5 U	2 U	0 U	0 U	0 U	10 U	10 U	5 U	5 U	2 U	2 U	2 U
Chloroform	80	80		0.19	0 U	5 U	1 U	0 U	0 U	0 U	10 U	10 U	5 U	5 U	2 U	2 U	2 U
Chloromethane	30	30		190		5 U					10 U	10 U	5 U	5 U	2 U	2 U	2 U
cis-1,2-Dichloroethene	70	70	70	73	14		0 U	60	32		6.2 J	8.2 J	14	11	0.9 J	13	2 U
cis-1,3-Dichloropropene	6.6	26		0.43		5 U	1 U				10 U	10 U	5 U	5 U	2 U	2 U	2 U
Ethylbenzene	700	700	700	1.5	0 U	5 U		0 U	0 U	0 U	8 U	8 U	5 U	5 U	2 U	2 U	2 U
Methyl tert-butyl ether	20	20		12											2 U	2 U	2 U
Methylene chloride	5	5		4.8	0 U	5 U	1 U	0 U	0 U	0 U	6 U	6 U	5 U	5 U	0.4 J	0.88 J B	2 U
Styrene	100	100	100	1600		5 U									2 U	2 U	2 U
Tetrachloroethene	5	5	5	0.11	0 U	11	3.1	8.5	4.2	2.4	6.1	5	3.2 J	4.3 J	2.1	2.1	2.1
Toluene	1000	1000	1000	2300	0 U	5 U		0 U	0 U	0 U	10 U	10 U	5 U	5 U	2 U	2 U	2 U
trans-1,2-Dichloroethene	100	100	100	110	0 U		1 U	0.3 J	0 U	0 U	10 U	10 U	5 U	5 U	2 U	2 U	2 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 2.4-3
Groundwater Data Summary - VOC 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 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 6/4/2003	MW-12 6/8/2004	MW-12 6/16/2005	MW-12 6/23/2006	MW-12 6/28/2007	MW-12 5/6/2008	MW-12 9/16/2008	MW-12 6/23/2009
trans-1,3-Dichloropropene	6.6	26		0.43		5 U	1 U				10 U	10 U	5 U	5 U	2 U	2 U	2 U
Trichloroethene	5	5	5	2	110	140	96	448	309	180	210	200	190	140	56	44	50
Vinyl Acetate	420	1800		410													
Vinyl Chloride	2	2	2	0.016	0 U	5 U	1 U	0 U	0 U	0 U	10 U	10 U	5 U	5 U	2 U	2 U	2 U
VOC Library Search						0 U											
Xylenes (Total)	10000	10000	10000	200	0 U	5 U		0 U	0 U						6 U	6 U	6 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 2.4-3
Groundwater Data Summary - VOC 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 5/28/1987	MW-14 6/16/2005	MW-14 4/24/2008	MW-15 5/28/1987	MW-15 6/16/2005	MW-15 5/8/2008	MW-15 9/26/2008	MW-16D 4/5/1988	MW-16D 5/13/2008	MW-16D 6/16/2010	MW-16S 4/5/1988	MW-16S 5/15/2008	MW-16S 10/2/2008
TOTAL VOC																	
				100	10.2	5.69	532	207.7	468.6	473	320	38.1	30.08	831	341.8	633	2270.4
Volatile Organic Compound																	
1,1,1,2-Tetrachloroethane	70	70		0.52			1 U			20 U	20 U		1 U	1 U		20 U	20 U
1,1,1-Trichloroethane	200	200	200	9100	1 U	5 U	1 U	1 U	10 U	20 U	20 U	11	1 U	1 U	1	20 U	20 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	1 U	50 U	2 U	20 U	20 U	1 U	1 U	1 U	50 U	20 U	20 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	3 U	1 U	1 U	6 U	20 U	20 U	1 U	1 U	1 U	1 U	20 U	20 U
1,1,2-Trichlorofluoromethane	2000	2000		1300													
1,1,2-Trichlorotrifluoroethane	63000	170000		59000	1 U			1 U				1 U			1 U		
1,1-Dichloroethane	31	160		2.4	1 U	5 U	1 U	1 U	10 U	20 U	20 U	1 U	1 U	1 U	1 U	20 U	20 U
1,1-Dichloroethene	7	7	7	340	17	2 U	1 U	1 U	4 U	20 U	20 U	1 U	1 U	1 U	1 U	20 U	20 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065			1 U			20 U	20 U		1 U	1 U		20 U	20 U
1,2-Dichloroethane	5	5	5	0.15	1 U	2 U	1 U	1 U	4 U	20 U	20 U	1 U	1 U	1 U	1 U	20 U	20 U
1,2-Dichloroethene	70	70	70	330													
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U	2 U	20 U	20 U	1 U	1 U	1 U	1 U	20 U	20 U
1,3-Dichlorobenzene	600	600															
1,3-Dichloropropene	6.6	26		0.43													
1,4-Dioxane	6.4	32		0.67		1000 U	200 U		2000 U	4000 U	4000 U		200 U	200 U		4000 U	4000 U
2-Butanone	4000	4000		7100		5 U	10 U		10 U	200 U	200 U		10 U	10 U		200 U	200 U
2-Chloroethyl Vinyl Ether					10 U	5 U		10 U	10 U			10 U			10 U		
2-Hexanone	11	44		47			10 U			200 U	200 U		10 U	10 U		200 U	200 U
4-Methyl-2-Pentanone	2900	8200		2000			10 U			200 U	200 U		10 U	10 U		200 U	200 U
Acetone	33000	92000		22000			10 U			200 U	200 U		10 U	10 U		200 U	200 U
Acrolein	0.042	0.18		0.042		100 U			200 U								
Acrylonitrile	0.72	3.7		0.045		50 U	20 U		100 U	400 U	400 U		20 U	20 U		400 U	400 U
Benzene	5	5	5	0.41	5 U	1 U	1 U	5 U	2 U	20 U	20 U	2 U	1 U	1 U	2 U	20 U	20 U
Bromochloromethane	90	90					1 U			20 U	20 U		1 U	1 U		20 U	20 U
Bromodichloromethane	80	80		0.12		1 U	1 U		2 U	20 U	20 U		1 U	1 U		20 U	20 U
Bromoform	80	80		8.5	2 U	4 U	1 U	2 U	8 U	20 U	20 U	2 U	1 U	1 U	2 U	20 U	20 U
Bromomethane	10	10		8.7	5 U	5 U	1 U	5 U	10 U	20 U	20 U	5 U	1 U	1 U	5 U	20 U	20 U
Carbon Disulfide	1500	6200		1000			1 U			20 U	20 U		1 U	0.28 J B		20 U	20 U
Carbon Tetrachloride	5	5	5	0.44	1 U	2 U	1 U	1 U	4 U	20 U	20 U	1 U	1 U	1 U	1 U	20 U	20 U
Chlorobenzene	100	100	100	91	1 U	5 U	1 U	1 U	10 U	20 U	20 U	1 U	1 U	1 U	1 U	20 U	20 U
Chlorodibromomethane	80	80		0.15	2 U	5 U	1 U	2 U	10 U	20 U	20 U	2 U	1 U	1 U	2 U	20 U	20 U
Chloroethane	230	900		21000	1 U	5 U	1 U	1 U	10 U	20 U	20 U	1 U	1 U	1 U	1 U	20 U	20 U
Chloroform	80	80		0.19	1 U	5 U	0.24 J	1 U	10 U	20 U	20 U	1 U	1 U	1 U	1 U	20 U	20 U
Chloromethane	30	30		190	5 U	5 U	1 U	5 U	10 U	20 U	20 U	5 U	1 U	1 U	5 U	20 U	20 U
cis-1,2-Dichloroethene	70	70	70	73	1 U	5 U	1 U	6	2.7 J	20 U	20 U	9	5.1	3.8	30	6.9 J	20 U
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	5 U	1 U	1 U	10 U	20 U	20 U	1 U	1 U	1 U	1 U	20 U	20 U
Ethylbenzene	700	700	700	1.5	1 U	4 U	1 U	1 U	8 U	20 U	20 U	1 U	1 U	1 U	1 U	20 U	20 U
Methyl tert-butyl ether	20	20		12			0.65 J			20 U	20 U		1 U	1 U		20 U	20 U
Methylene chloride	5	5		4.8	2 U	3 U	1 U	2 U	6 U	8.6 J	20 U	2 U	1 U	1 U	2 U	5.9 J	20 U
Styrene	100	100	100	1600			1 U			20 U	20 U		1 U	1 U		20 U	20 U
Tetrachloroethene	5	5	5	0.11	1 U	7.2	3.6	201	180	460	460	1 U	1 U	1 U	244	310	620
Toluene	1000	1000	1000	2300	2 U	5 U	1 U	2 U	10 U	20 U	20 U	2 U	1 U	1 U	2 U	20 U	20 U
trans-1,2-Dichloroethene	100	100	100	110		5 U	1 U		10 U	20 U	20 U		1 U	1 U		20 U	20 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 2.4-3
Groundwater Data Summary - VOC 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 5/28/1987	MW-14 6/16/2005	MW-14 4/24/2008	MW-15 5/28/1987	MW-15 6/16/2005	MW-15 5/8/2008	MW-15 9/26/2008	MW-16D 4/5/1988	MW-16D 5/13/2008	MW-16D 6/16/2010	MW-16S 4/5/1988	MW-16S 5/15/2008	MW-16S 10/2/2008
trans-1,3-Dichloropropene	6.6	26		0.43		5 U	1 U		10 U	20 U	20 U		1 U	1 U		20 U	20 U
Trichloroethene	5	5	5	2	253	3	1.2	325	25	20 U	13 J	300	33	26	556	19 J	13 J
Vinyl Acetate	420	1800		410													
Vinyl Chloride	2	2	2	0.016	1 U	5 U	1 U	1 U	10 U	20 U	20 U	1 U	1 U	1 U	1 U	20 U	20 U
VOC Library Search																	
Xylenes (Total)	10000	10000	10000	200			3 U			60 U	60 U		3 U	3 U		60 U	60 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 2.4-3
Groundwater Data Summary - VOC 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
TOTAL VOC																
				100	267	169	180	144	102	124	70	63	75	73.1	76	79.8
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52	20 U											
1,1,1-Trichloroethane	200	200	200	9100	20 U	10	6	3	2	1	1	0 U	1 U	1 U	0 U	0 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	20 U	1 U	2 U	1 U	1 U	1 U			1 U	1 U		
1,1,2-Trichloroethane	5	5	5	0.24	20 U	1 U	5 U	1 U	1 U	1 U	0 U	0 U	1 U	1 U	0 U	0 U
1,1,2-Trichlorofluoromethane	2000	2000		1300										1 U		
1,1,2-Trichlorotrifluoroethane	63000	170000		59000		1 U	1 U									
1,1-Dichloroethane	31	160		2.4	20 U	1 U	1 U	1 U	1 U	1 U	0 U	0 U	1 U	1 U	0 U	0 U
1,1-Dichloroethene	7	7	7	340	20 U	1 U	1 U	1 U	1 U	1 U	0 U	0 U	1 U	1 U	0 U	0 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	20 U											
1,2-Dichloroethane	5	5	5	0.15	20 U	1 U	1 U	1 U		1 U	0 U	0 U	1 U	1 U	0 U	0 U
1,2-Dichloroethene	70	70	70	330									1 U			
1,2-Dichloropropane	5	5	5	0.39	20 U	1 U	1 U	2 U	1 U	1 U			1 U	1 U		
1,3-Dichlorobenzene	600	600												2 U		
1,3-Dichloropropene	6.6	26		0.43												
1,4-Dioxane	6.4	32		0.67	4000 U											
2-Butanone	4000	4000		7100	200 U				10 U	20 U			20 U			
2-Chloroethyl Vinyl Ether						10 U	10 U	10 U	10 U	10 U				1 U		
2-Hexanone	11	44		47	200 U				10 U	10 U			20 U			
4-Methyl-2-Pentanone	2900	8200		2000	200 U				10 U	10 U			10 U			
Acetone	33000	92000		22000	200 U				10 U	20 U	0 U	0 U	20 U		0 U	0 U
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045	400 U											
Benzene	5	5	5	0.41	20 U	10 U	10 U	1 U	1 U	1 U	0 U	0 U	1 U		0 U	0 U
Bromochloromethane	90	90			20 U											
Bromodichloromethane	80	80		0.12	20 U				1 U	1 U	0 U	0 U	1 U	1 U	0 U	0 U
Bromoform	80	80		8.5	20 U	2 U	2 U	1 U	1 U	1 U			1 U	1 U		
Bromomethane	10	10		8.7	20 U	5 U	5 U		2 U	2 U			1 U	2 U		
Carbon Disulfide	1500	6200		1000	7.4 J				1 U	1 U	0 U	0 U	10 U		0 U	0 U
Carbon Tetrachloride	5	5	5	0.44	20 U	1 U	1 U	1 U	1 U	1 U	0 U	0 U	1 U	1 U	0 U	0 U
Chlorobenzene	100	100	100	91	20 U	1 U	1 U	1 U	1 U	1 U	0 U	0 U	1 U	2 U	0 U	0 U
Chlorodibromomethane	80	80		0.15	20 U	2 U	10 U	1 U		1 U			1 U	1 U		
Chloroethane	230	900		21000	20 U	1 U	1 U	2 U	2 U	2 U	0 U	0 U	1 U	2 U	0 U	0 U
Chloroform	80	80		0.19	20 U	1 U	1 U	1 U	1 U	1 U	0 U	0 U	1 U	1 U	0 U	0 U
Chloromethane	30	30		190	20 U	5 U	5 U		2 U	2 U			1 U			
cis-1,2-Dichloroethene	70	70	70	73	12 J	1 U	1 U	1	1 U	U		0 U			1.1	0 U
cis-1,3-Dichloropropene	6.6	26		0.43	20 U	1 U	1 U	1 U	1 U	1 U			1 U	1 U		
Ethylbenzene	700	700	700	1.5	20 U	1 U	1 U	1 U	1 U	1 U	0 U	0 U	1 U		0 U	0 U
Methyl tert-butyl ether	20	20		12	20 U											
Methylene chloride	5	5		4.8	13 J	2 U	2 U	4	2 U	2 U	0 U	0 U	1 U	1 U	0 U	0 U
Styrene	100	100	100	1600	20 U				1 U	1 U			1 U			
Tetrachloroethene	5	5	5	0.11	2200	3	3	2	2	2	3	0 U	1 U	1 U	0 U	0 U
Toluene	1000	1000	1000	2300	20 U	2 U	2 U	1 U	1 U	1 U	0 U	0 U	1 U		0 U	0 U
trans-1,2-Dichloroethene	100	100	100	110	20 U			1 U	1 U	1 U	0 U	0 U		1 U	0 U	0 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 2.4-3
Groundwater Data Summary - VOC 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
trans-1,3-Dichloropropene	6.6	26		0.43	20 U				1 U	1 U			1 U	1 U		
Trichloroethene	5	5	5	2	38	254	160	170	140	99	120	70	63	75	72	76
Vinyl Acetate	420	1800		410					10 U	10 U						
Vinyl Chloride	2	2	2	0.016	20 U	1 U	1 U	1 U	2 U	2 U	0 U	0 U	1 U	1 U	0 U	0 U
VOC Library Search													0 U			
Xylenes (Total)	10000	10000	10000	200	60 U				5 U	5 U	0 U	0 U	1 U	0 U	0 U	0 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 2.4-3
Groundwater Data Summary - VOC 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 6/3/2003	MW-17 Dup 6/8/2004	MW-17 6/8/2004	MW-17 6/15/2005	MW-17 6/21/2006	MW-17 Dup 6/25/2007	MW-17 6/25/2007	MW-17 4/28/2008	MW-17 9/12/2008	MW-17 6/19/2009	MW-17 6/18/2010	MW-18D 4/5/1988
TOTAL VOC																
				100	54.7	53.3	56.5	40	43.1	43.1	42.58	35.1	31.83	34.52	0	2084.32
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52								1 U	1 U	1 U	1 U	
1,1,1-Trichloroethane	200	200	200	9100	0 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067		1 U	1 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	0 U	3 U	3 U	3 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1,2-Trichlorotrifluoroethane	63000	170000		59000												1 U
1,1-Dichloroethane	31	160		2.4	0 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	0 U	2 U	2 U	2 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065								1 U	1 U	1 U	1 U	
1,2-Dichloroethane	5	5	5	0.15	0 U	2 U	2 U	2 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330												
1,2-Dichloropropane	5	5	5	0.39		1 U	1 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.43												
1,4-Dioxane	6.4	32		0.67		1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	200 U	200 U	200 U	200 U	
2-Butanone	4000	4000		7100		5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U	
2-Chloroethyl Vinyl Ether						5 U	5 U	5 U	10 U	10 U	10 U					10 U
2-Hexanone	11	44		47								10 U	10 U	10 U	10 U	
4-Methyl-2-Pentanone	2900	8200		2000								10 U	10 U	10 U	10 U	
Acetone	33000	92000		22000								10 U	10 U	10 U	10 U	
Acrolein	0.042	0.18		0.042		100 U	100 U	100 U	100 U	100 U	100 U					
Acrylonitrile	0.72	3.7		0.045		50 U	50 U	50 U	100 U	100 U	100 U	20 U	20 U	20 U	20 U	
Benzene	5	5	5	0.41	0 U	1 U	1 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	2 U
Bromochloromethane	90	90										1 U	1 U	1 U	1 U	
Bromodichloromethane	80	80		0.12	0 U	1 U	1 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	
Bromoform	80	80		8.5		4 U	4 U	4 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	2 U
Bromomethane	10	10		8.7		5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	5 U
Carbon Disulfide	1500	6200		1000								1 U	1 U	1 U	1 U	
Carbon Tetrachloride	5	5	5	0.44	0 U	2 U	2 U	2 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	91	0 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.15		5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	2 U
Chloroethane	230	900		21000	0 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Chloroform	80	80		0.19	0 U	0.7 J	0.7 J	1.3 J	5 U	1.1 J	1.1 J	1.3	1	0.87 J	1.2	1 U
Chloromethane	30	30		190		5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	5 U
cis-1,2-Dichloroethene	70	70	70	73		0.7 J	0.7 J	0.5 J	5 U	5 U	5 U	0.64 J	0.5 J	0.45 J	0.66 J	1 U
cis-1,3-Dichloropropene	6.6	26		0.43		5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	0 U	4 U	4 U	4 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl ether	20	20		12								0.23 J	1 U	1 U	0.21 J	
Methylene chloride	5	5		4.8	0 U	3 U	3 U	3 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	2 U
Styrene	100	100	100	1600								1 U	1 U	1 U	1 U	
Tetrachloroethene	5	5	5	0.11	0 U	1.3	0.9 J	0.7 J	5 U	5 U	5 U	0.41 J	0.6 J	0.51 J	0.45 J	1 U
Toluene	1000	1000	1000	2300	0 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	2 U
trans-1,2-Dichloroethene	100	100	100	110	0 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 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 2.4-3
Groundwater Data Summary - VOC 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 6/3/2003	MW-17 Dup 6/8/2004	MW-17 6/8/2004	MW-17 6/15/2005	MW-17 6/21/2006	MW-17 Dup 6/25/2007	MW-17 6/25/2007	MW-17 4/28/2008	MW-17 9/12/2008	MW-17 6/19/2009	MW-17 6/18/2010	MW-18D 4/5/1988
trans-1,3-Dichloropropene	6.6	26		0.43		5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	
Trichloroethene	5	5	5	2	79.8	52	51	54	40	42	42	40	33	30	32	1 U
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	0 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	200								3 U	3 U	3 U	3 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 2.4-3
Groundwater Data Summary - VOC 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-18D 4/23/2008	MW-18D 10/7/2008	MW-18D 7/9/2009
TOTAL VOC							
				100	2494	2594	
Volatile Organic Compound							
1,1,1,2-Tetrachloroethane	70	70		0.52	1 U	100 U	100 U
1,1,1-Trichloroethane	200	200	200	9100	1 U	100 U	100 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	100 U	100 U
1,1,2-Trichloroethane	5	5	5	0.24	0.14 J	100 U	100 U
1,1,2-Trichlorofluoromethane	2000	2000		1300			
1,1,2-Trichlorotrifluoroethane	63000	170000		59000			
1,1-Dichloroethane	31	160		2.4	1 U	100 U	100 U
1,1-Dichloroethene	7	7	7	340	3.4	100 U	100 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	1 U	100 U	100 U
1,2-Dichloroethane	5	5	5	0.15	1 U	100 U	100 U
1,2-Dichloroethene	70	70	70	330			
1,2-Dichloropropane	5	5	5	0.39	1 U	100 U	100 U
1,3-Dichlorobenzene	600	600					
1,3-Dichloropropene	6.6	26		0.43			
1,4-Dioxane	6.4	32		0.67	200 U	20000 U	20000 U
2-Butanone	4000	4000		7100	10 U	1000 U	1000 U
2-Chloroethyl Vinyl Ether							
2-Hexanone	11	44		47	10 U	1000 U	1000 U
4-Methyl-2-Pentanone	2900	8200		2000	10 U	1000 U	1000 U
Acetone	33000	92000		22000	10 U	1000 U	1000 U
Acrolein	0.042	0.18		0.042			
Acrylonitrile	0.72	3.7		0.045	20 U	2000 U	2000 U
Benzene	5	5	5	0.41	1 U	100 U	100 U
Bromochloromethane	90	90			1 U	100 U	100 U
Bromodichloromethane	80	80		0.12	1 U	100 U	100 U
Bromoform	80	80		8.5	1 U	100 U	100 U
Bromomethane	10	10		8.7	1 U	100 U	100 U
Carbon Disulfide	1500	6200		1000	1 U	100 U	100 U
Carbon Tetrachloride	5	5	5	0.44	1 U	100 U	100 U
Chlorobenzene	100	100	100	91	1 U	100 U	100 U
Chlorodibromomethane	80	80		0.15	1 U	100 U	100 U
Chloroethane	230	900		21000	1 U	100 U	100 U
Chloroform	80	80		0.19	0.077 J	100 U	100 U
Chloromethane	30	30		190	1 U	100 U	100 U
cis-1,2-Dichloroethene	70	70	70	73	650	760	770
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	100 U	100 U
Ethylbenzene	700	700	700	1.5	1 U	100 U	100 U
Methyl tert-butyl ether	20	20		12	1 U	100 U	100 U
Methylene chloride	5	5		4.8	1 U	34 J	100 U
Styrene	100	100	100	1600	1 U	100 U	100 U
Tetrachloroethene	5	5	5	0.11	1.3	100 U	100 U
Toluene	1000	1000	1000	2300	1 U	100 U	100 U
trans-1,2-Dichloroethene	100	100	100	110	3.4	100 U	100 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 2.4-3
Groundwater Data Summary - VOC 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-18D 4/23/2008	MW-18D 10/7/2008	MW-18D 7/9/2009
trans-1,3-Dichloropropene	6.6	26		0.43	1 U	100 U	100 U
Trichloroethene	5	5	5	2	1400	1700 J	1800
Vinyl Acetate	420	1800		410			
Vinyl Chloride	2	2	2	0.016	26	100 U	24 J
VOC Library Search							
Xylenes (Total)	10000	10000	10000	200	3 U	300 U	300 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 2.4-3
Groundwater Data Summary - VOC 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-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 7/9/2009	MW-18S 6/29/2010	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
TOTAL VOC																
				42.82	50	1735	1722.7	990	970	50.12	602	417	350	216.4	174	0.24
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52	1 U		50 U	50 U	50 U	50 U	1 U				10 U	
1,1,1-Trichloroethane	200	200	200	9100	1 U	10 U	50 U	50 U	50 U	50 U	1 U	1 U	5 U	10 U	10 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	10 U	50 U	50 U	50 U	50 U	1 U	1 U	5 U	10 U	10 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	10 U	50 U	50 U	50 U	50 U	1 U	1 U	5 U	10 U	10 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300										10 U		
1,1,2-Trichlorotrifluoroethane	63000	170000		59000		10 U						1 U				1 U
1,1-Dichloroethane	31	160		2.4	1 U	10 U	50 U	50 U	50 U	50 U	1 U	1 U	5 U	10 U	10 U	1 U
1,1-Dichloroethene	7	7	7	340	1 U	10 U	50 U	50 U	50 U	50 U	1 U	1 U	5 U	10 U	10 U	1 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	1 U		50 U	50 U	50 U	50 U	1 U				10 U	
1,2-Dichloroethane	5	5	5	0.15	1 U	10 U	50 U	50 U	50 U	50 U	1 U	1 U	5 U	10 U	10 U	1 U
1,2-Dichloroethene	70	70	70	330									5 U			
1,2-Dichloropropane	5	5	5	0.39	1 U	10 U	50 U	50 U	50 U	50 U	1 U	1 U	5 U	10 U	10 U	1 U
1,3,5-Trimethylbenzene	13	53		370												
1,3-Dichlorobenzene	600	600												20 U		
1,3-Dichloropropene	6.6	26		0.43												
1,3-Dioxolane																
1,4-Dioxane	6.4	32		0.67	200 U		10000 U	10000 U	10000 U	10000 U	200 U				2000 U	
2-Butanone	4000	4000		7100	10 U		500 U	500 U	500 U	500 U	10 U		100 U		100 U	
2-Chloroethyl Vinyl Ether						100 U						10 U		10 U		10 U
2-Hexanone	11	44		47	10 U		500 U	500 U	500 U	500 U	10 U		100 U		100 U	
4-Methyl-2-Pentanone	2900	8200		2000	10 U		500 U	500 U	500 U	500 U	10 U		50 U		100 U	
Acetone	33000	92000		22000	10 U		500 U	500 U	500 U	500 U	10 U		100 U		100 U	
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045	20 U		1000 U	1000 U	1000 U	1000 U	20 U				200 U	
Benzene	5	5	5	0.41	1 U	20 U	50 U	50 U	50 U	50 U	1 U	20 U	5 U		10 U	2 U
Bromochloromethane	90	90			1 U		50 U	50 U	50 U	50 U	1 U				10 U	
Bromodichloromethane	80	80		0.12	1 U		50 U	50 U	50 U	50 U	1 U		5 U	10 U	10 U	
Bromoform	80	80		8.5	1 U	20 U	50 U	50 U	50 U	50 U	1 U	2 U	5 U	10 U	10 U	2 U
Bromomethane	10	10		8.7	1 U	50 U	50 U	50 U	50 U	50 U	1 U	5 U	5 U	20 U	10 U	5 U
Carbon Disulfide	1500	6200		1000	1 U		50 U	50 U	50 U	50 U	0.42 J		50 U		10 U	
Carbon Tetrachloride	5	5	5	0.44	1 U	10 U	50 U	50 U	50 U	50 U	1 U	1 U	5 U	10 U	10 U	1 U
Chlorobenzene	100	100	100	91	1 U	10 U	50 U	50 U	50 U	50 U	1 U	1 U	5 U	20 U	10 U	1 U
Chlorodibromomethane	80	80		0.15	1 U	20 U	50 U	50 U	50 U	50 U	1 U	2 U	5 U	10 U	10 U	2 U
Chloroethane	230	900		21000	1 U	10 U	50 U	50 U	50 U	50 U	1 U	1 U	5 U	20 U	10 U	1 U
Chloroform	80	80		0.19	1 U	10 U	50 U	50 U	50 U	50 U	1 U	1 U	5 U	10 U	10 U	1 U
Chloromethane	30	30		190	1 U	50 U	50 U	50 U	50 U	50 U	1 U	5 U	5 U		10 U	5 U
cis-1,2-Dichloroethene	70	70	70	73	21	10 U	520	500	320	300	25	1			2.4 J	2
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	10 U	50 U	50 U	50 U	50 U	1 U	1 U	5 U	10 U	10 U	1 U
Ethylbenzene	700	700	700	1.5	1 U	10 U	50 U	50 U	50 U	50 U	1 U	1 U	5 U		10 U	1 U
Isopropylbenzene	840	3500		680												
Methyl tert-butyl ether	20	20		12	1 U		50 U	50 U	50 U	50 U	1 U				10 U	
Methylene chloride	5	5		4.8	1 U	20 U	15 J	15 J	50 U	50 U	1 U	2 U	5 U	10 U	10 U	2 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 2.4-3
Groundwater Data Summary - VOC 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-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 7/9/2009	MW-18S 6/29/2010	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
Naphthalene	100	100		0.14												
Styrene	100	100	100	1600	1 U		50 U	50 U	50 U	50 U	1 U		5 U		10 U	
Tetrachloroethene	5	5	5	0.11	1 U	10 U	50 U	50 U	50 U	50 U	1 U	21	7	10 U	4 J	1
Toluene	1000	1000	1000	2300	1 U	20 U	50 U	50 U	50 U	50 U	1 U	2 U	5 U		10 U	2 U
trans-1,2-Dichloroethene	100	100	100	110	1 U		50 U	50 U	50 U	50 U	1 U			10 U	10 U	
trans-1,3-Dichloropropene	6.6	26		0.43	1 U		50 U	50 U	50 U	50 U	1 U		5 U	10 U	10 U	
Trichloroethene	5	5	5	2	21	50	1200	1200	670	670	24	580	410	350	210	171
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	0.82 J	10 U	50 U	7.7 J	50 U	50 U	0.7 J	1 U	5 U	10 U	10 U	1 U
VOC Library Search													0 U			
Xylenes (Total)	10000	10000	10000	200	3 U		150 U	150 U	150 U	150 U	3 U		5 U		30 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 2.4-3
Groundwater Data Summary - VOC 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-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	MW-20S 4/25/1991	MW-20S 5/20/2008	MW-20S 10/1/2008	MW-21 5/27/1987
TOTAL VOC																
				42.82	0.13	2200	31.62	15.56	9970	7955	8130	6225	1007.7	501	119	95
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52	1 U	1 U		1 U	1 U					25 U	40 U	
1,1,1-Trichloroethane	200	200	200	9100	1 U	1 U	10	1 U	1 U	5 U	5	5 U	25 U	25 U	40 U	12
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	10 U	1 U	1 U	5 U	5 U	20 U	10 U	25 U	40 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	1 U	10 U	1 U	1 U	5 U	75 U	50 U	100 U	25 U	40 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1,2-Trichlorotrifluoroethane	63000	170000		59000			10 U			5 U	5 U	5 U	5 U			1 U
1,1-Dichloroethane	31	160		2.4	1 U	1 U	10 U	1 U	1 U	5 U	5 U	5 U	5 U	25 U	40 U	1 U
1,1-Dichloroethene	7	7	7	340	1 U	1 U	10 U	1 U	1 U	5 U	5 U	5 U	5 U	25 U	40 U	1
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	1 U	1 U		1 U	1 U					25 U	40 U	
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	40	1 U	1 U	5 U	5 U	5 U	5 U	25 U	40 U	1 U
1,2-Dichloroethene	70	70	70	330												
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	10 U	1 U	1 U	5 U	5 U	5 U	5 U	25 U	40 U	1 U
1,3,5-Trimethylbenzene	13	53		370												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.43												
1,3-Dioxolane																
1,4-Dioxane	6.4	32		0.67	200 U	200 U		200 U	200 U					5000 U	8000 U	
2-Butanone	4000	4000		7100	10 U	10 U		10 U	10 U					250 U	400 U	
2-Chloroethyl Vinyl Ether							100 U			50 U	50 U	50 U	50 U			10 U
2-Hexanone	11	44		47	10 U	10 U		10 U	10 U					250 U	400 U	
4-Methyl-2-Pentanone	2900	8200		2000	10 U	10 U		10 U	10 U					250 U	400 U	
Acetone	33000	92000		22000	10 U	10 U		10 U	10 U					250 U	400 U	
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045	20 U	20 U		20 U	20 U					500 U	800 U	
Benzene	5	5	5	0.41	1 U	1 U	20 U	1 U	1 U	10 U	10 U	400 U	200 U	25 U	40 U	5 U
Bromochloromethane	90	90			1 U	1 U		1 U	1 U					25 U	40 U	
Bromodichloromethane	80	80		0.12	1 U	1 U		1 U	1 U					25 U	40 U	
Bromoform	80	80		8.5	1 U	1 U	20 U	1 U	1 U	10 U	10 U	10 U	10 U	25 U	40 U	2 U
Bromomethane	10	10		8.7	1 U	1 U	50 U	1 U	1 U	25 U	25 U	25 U	25 U	25 U	40 U	5 U
Carbon Disulfide	1500	6200		1000	1 U	1 U		1 U	1 U					25 U	40 U	
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	10 U	1 U	1 U	5 U	5 U	5 U	5 U	25 U	40 U	1 U
Chlorobenzene	100	100	100	91	1 U	1 U	10 U	1 U	1 U	5 U	5 U	5 U	5 U	25 U	40 U	1 U
Chlorodibromomethane	80	80		0.15	1 U	1 U	20 U	1 U	1 U	10 U	150 U	100 U	200 U	25 U	40 U	2 U
Chloroethane	230	900		21000	1 U	1 U	10 U	1 U	1 U	5 U	5 U	5 U	5 U	25 U	40 U	1 U
Chloroform	80	80		0.19	1 U	0.13 J	10 U	0.78 J	0.56 J	5 U	5	10	10 U	25 U	40 U	1 U
Chloromethane	30	30		190	1 U	1 U	50 U	1 U	1 U	25 U	25 U	25 U	25 U	25 U	40 U	5 U
cis-1,2-Dichloroethene	70	70	70	73	1 U	1 U	30	0.12 J	1 U	410	280	265	180	8.7 J	14 J	1 U
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	10 U	1 U	1 U	5 U	5 U	5 U	5 U	25 U	40 U	1 U
Ethylbenzene	700	700	700	1.5	1 U	1 U	50 U	1 U	1 U	5 U	5 U	5 U	5 U	25 U	40 U	1 U
Isopropylbenzene	840	3500		680												
Methyl tert-butyl ether	20	20		12	1 U	1 U		1 U	1 U					25 U	40 U	
Methylene chloride	5	5		4.8	1 U	1 U	80	0.36 J	1 U	10 U	10 U	10 U	10 U	20 J	40 U	2 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 2.4-3
Groundwater Data Summary - VOC 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-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	MW-20S 4/25/1991	MW-20S 5/20/2008	MW-20S 10/1/2008	MW-21 5/27/1987
Naphthalene	100	100		0.14												
Styrene	100	100	100	1600	1 U	1 U		1 U	1 U					25 U	40 U	
Tetrachloroethene	5	5	5	0.11	1 U	1 U	10 U	0.36 J	1 U	40	65	55	45	29	17 J	8
Toluene	1000	1000	1000	2300	1 U	1 U	20 U	1 U	1 U	10 U	10 U	10 U	10 U	25 U	40 U	2 U
trans-1,2-Dichloroethene	100	100	100	110	1 U	1 U		1 U	1 U					25 U	40 U	
trans-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U		1 U	1 U					25 U	40 U	
Trichloroethene	5	5	5	2	0.24 J	1 U	2040	30	15	9520	7600	7800	6000	950	470	98
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	1 U	1 U	10 U	1 U	1 U	5 U	5 U	5 U	5 U	25 U	40 U	1 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	200	3 U	3 U		3 U	3 U					75 U	120 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 2.4-3
Groundwater Data Summary - VOC 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-21 10/26/1995	MW-21 9/22/1999	MW-21 3/31/2000	MW-22 5/28/1987	MW-22 10/25/1995	MW-22 9/22/1999	MW-22 3/29/2000	MW-22 Dup 3/29/2000	MW-22 6/14/2005	MW-22 4/28/2008	MW-23 5/28/1987	MW-23 5/29/1987
TOTAL VOC																
				42.82	42	0	343	184	51	12.1	1.2	36	29.14	4	4	9
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52										1 U		
1,1,1-Trichloroethane	200	200	200	9100	6	5 U	1 U	27	7	5 U	1 U		1.3 J	0.75 J	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	5 U	5 U	1 U	1 U	10 U	5 U	1 U		1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	5 U	1 U	5 U	1 U	5 U	1 U		3 U	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300			1 U				1 U					
1,1,2-Trichlorotrifluoroethane	63000	170000		59000	1 U			1 U	1 U						1 U	1 U
1,1-Dichloroethane	31	160		2.4	1 U	5 U	1 U	1 U	1 U	5 U	1 U		5 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	1	5 U	1 U	4	2	5 U	1 U		2 U	0.67 J	1 U	1 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0065										1 U		
1,2-Dichloroethane	5	5	5	0.15	1 U	5 U	1 U	1 U	1 U	5 U	1 U		2 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330	1 U	5 U			1 U	5 U						
1,2-Dichloropropane	5	5	5	0.39	1 U	5 U	1 U	1 U	1 U	5 U	1 U		1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	13	53		370												
1,3-Dichlorobenzene	600	600					2 U				2 U					
1,3-Dichloropropene	6.6	26		0.43	1 U				1 U						1 U	
1,3-Dioxolane																
1,4-Dioxane	6.4	32		0.67									1000 U	200 U		
2-Butanone	4000	4000		7100		100 U				100 U			5 U	10 U		
2-Chloroethyl Vinyl Ether					10 U		1 U	10 U	10 U		1 U		5 U		10 U	10 U
2-Hexanone	11	44		47		100 U				100 U				10 U		
4-Methyl-2-Pentanone	2900	8200		2000		50 U				50 U				10 U		
Acetone	33000	92000		22000		100 U				100 U				10 U		
Acrolein	0.042	0.18		0.042									100 U			
Acrylonitrile	0.72	3.7		0.045									50 U	20 U		
Benzene	5	5	5	0.41	2 U	5 U		5 U	2 U	5 U			1 U	1 U	2 U	2 U
Bromochloromethane	90	90												1 U		
Bromodichloromethane	80	80		0.12	2 U	5 U	1 U		2 U	5 U	1 U		1 U	1 U	2 U	
Bromoform	80	80		8.5	2 U	5 U	1 U	2 U	2 U	5 U	1 U		4 U	1 U	2 U	2 U
Bromomethane	10	10		8.7	5 U	5 U	2 U	5 U	5 U	5 U	2 U		5 U	1 U	5 U	5 U
Carbon Disulfide	1500	6200		1000		50 U				50 U				1 U		
Carbon Tetrachloride	5	5	5	0.44	1 U	5 U	1 U	1 U	1 U	5 U	1 U		2 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	91	1 U	5 U	2 U	1 U	1 U	5 U	2 U		5 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	2 U	5 U	1 U	10 U	2 U	5 U	1 U		5 U	1 U	2 U	2 U
Chloroethane	230	900		21000	1 U	5 U	2 U	1 U	1 U	5 U	2 U		5 U	1 U	1 U	1 U
Chloroform	80	80		0.19	1 U	5 U	1 U	1 U	1 U	5 U	1 U		5 U	1 U	1 U	1 U
Chloromethane	30	30		190	5 U	5 U		5 U	5 U	5 U			5 U	1 U	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	73				2					5 U	0.22 J		1 U
cis-1,3-Dichloropropene	6.6	26		0.43		5 U	1 U	1 U		5 U	1 U		5 U	1 U		1 U
Ethylbenzene	700	700	700	1.5	1 U	5 U		1 U	1 U	5 U			4 U	1 U	1 U	1 U
Isopropylbenzene	840	3500		680												
Methyl tert-butyl ether	20	20		12										1 U		
Methylene chloride	5	5		4.8	2 U	5 U	1 U	2 U	2 U	5 U	1 U		3 U	1 U	2 U	2 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 2.4-3
Groundwater Data Summary - VOC 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-21 10/26/1995	MW-21 9/22/1999	MW-21 3/31/2000	MW-22 5/28/1987	MW-22 10/25/1995	MW-22 9/22/1999	MW-22 3/29/2000	MW-22 Dup 3/29/2000	MW-22 6/14/2005	MW-22 4/28/2008	MW-23 5/28/1987	MW-23 5/29/1987
Naphthalene	100	100		0.14												
Styrene	100	100	100	1600		5 U				5 U				1 U		
Tetrachloroethene	5	5	5	0.11	7	5 U	1 U	51	55	8	1.1	1.2	6.7	4.6	1 U	1 U
Toluene	1000	1000	1000	2300	2 U	5 U		2 U	2 U	5 U			5 U	2.9	2 U	2 U
trans-1,2-Dichloroethene	100	100	100	110			1 U				1 U		5 U	1 U	1 U	
trans-1,3-Dichloropropene	6.6	26		0.43		5 U	1 U			5 U	1 U		5 U	1 U		
Trichloroethene	5	5	5	2	81	42	1 U	259	120	43	11		28	20	4	4
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	1 U	5 U	1 U	1 U	1 U	5 U	1 U		5 U	1 U	1 U	1 U
VOC Library Search						0 U				0 U						
Xylenes (Total)	10000	10000	10000	200		5 U				5 U				3 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 2.4-3
Groundwater Data Summary - VOC 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-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	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
TOTAL VOC																
				42.82	11	0	98	783	64	200.2	4	3	5.8	1778	9768	1287
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52												
1,1,1-Trichloroethane	200	200	200	9100	1 U	1 U	1 U	4	43	5 U	9.2	1 U	1 U	1 U	100	670
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	20 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	1 U	1 U	1 U	2 U	5 U	1 U	1 U	1 U	1 U	10 U	100 U
1,1,2-Trichlorofluoromethane	2000	2000		1300			1 U				1 U			1 U		
1,1,2-Trichlorotrifluoroethane	63000	170000		59000	1 U			1 U	1 U			1 U			1 U	10 U
1,1-Dichloroethane	31	160		2.4	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	18	16
1,1-Dichloroethene	7	7	7	340	1 U	1 U	1 U	1 U	11	5 U	7.6	1 U	1 U	1 U	63	140
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0065												
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	10 U
1,2-Dichloroethene	70	70	70	330	1 U	1			89	12			1 U			
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	13	53		370												
1,3-Dichlorobenzene	600	600					2 U				2 U		10 U	2 U		
1,3-Dichloropropene	6.6	26		0.43	1 U				1 U							
1,3-Dioxolane																
1,4-Dioxane	6.4	32		0.67												
2-Butanone	4000	4000		7100		20 U				100 U			20 U			
2-Chloroethyl Vinyl Ether					10 U		1 U	10 U	10 U		1 U	10 U		1 U	10 U	100 U
2-Hexanone	11	44		47		20 U				100 U			20 U			
4-Methyl-2-Pentanone	2900	8200		2000		10 U				50 U			10 U			
Acetone	33000	92000		22000		20 U				100 U			20 U			
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045												
Benzene	5	5	5	0.41	2 U	1 U		2 U	5 U	5 U		2 U	1 U		20 U	500 U
Bromochloromethane	90	90														
Bromodichloromethane	80	80		0.12	2 U	1 U	1 U		2 U	5 U	1 U		1 U	1 U		
Bromoform	80	80		8.5	2 U	1 U	1 U	2 U	2 U	5 U	1 U	2 U	1 U	1 U	20 U	10 U
Bromomethane	10	10		8.7	5 U	1 U	2 U	5 U	5 U	5 U	2 U	5 U	1 U	2 U	5 U	5 U
Carbon Disulfide	1500	6200		1000		10 U				50 U			10 U			
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	10 U	57
Chlorobenzene	100	100	100	91	1 U	1 U	2 U	1 U	1 U	5 U	2 U	1 U	1 U	2 U	1 U	2 U
Chlorodibromomethane	80	80		0.15	2 U	1 U	1 U	2 U	5 U	5 U	1 U	2 U	1 U	1 U	20 U	200 U
Chloroethane	230	900		21000	1 U	1 U	2 U	1 U	1 U	5 U	2 U	1 U	1 U	2 U	1 U	1 U
Chloroform	80	80		0.19	1 U	1 U	1 U	1 U	1 U	5 U	1 U	4	1 U	1 U	10 U	10 U
Chloromethane	30	30		190	5 U	1 U		5 U	5 U	5 U		5 U	1 U		5 U	5 U
cis-1,2-Dichloroethene	70	70	70	73				3			0 U	1 U		0 U	90	1300
cis-1,3-Dichloropropene	6.6	26		0.43		1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	1 U	1 U		1 U	1 U	5 U		1 U	1 U		1 U	1 U
Isopropylbenzene	840	3500		680												
Methyl tert-butyl ether	20	20		12												
Methylene chloride	5	5		4.8	2 U	1 U	1 U	2 U	2 U	5 U	1 U	2 U	1 U	1 U	2 U	2 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 2.4-3
Groundwater Data Summary - VOC 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-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	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
Naphthalene	100	100		0.14												
Styrene	100	100	100	1600		1 U				5 U			1 U			
Tetrachloroethene	5	5	5	0.11	1 U	1 U	1 U	1	10	5 U	3.4	1 U	1 U	1 U	7	84
Toluene	1000	1000	1000	2300	2 U	1 U		2 U	2 U	5 U		2 U	1 U		2 U	2 U
trans-1,2-Dichloroethene	100	100	100	110			1 U				1 U			1 U		
trans-1,3-Dichloropropene	6.6	26		0.43		1 U	1 U			5 U	1 U		1 U	1 U		
Trichloroethene	5	5	5	2	9	10	1 U	90	630	52	180	1 U	3	5.8	1500	7500
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1
VOC Library Search						0 U				0 U			0 U			
Xylenes (Total)	10000	10000	10000	200		1 U				5 U			1 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 2.4-3
Groundwater Data Summary - VOC 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 11/2/1995	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
TOTAL VOC																
				42.82	758	511	447	551	833	550	540	410.3	776.7	660.9	32396	1870
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52			25 U	25 U						25 U	25 U	
1,1,1-Trichloroethane	200	200	200	9100	32	21	25 U	25 U	1	1 U		5 U	1 U	25 U	25 U	30800
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	5 U	10 U	25 U	25 U	50 U	50 U		5 U	1 U	25 U	25 U	
1,1,2-Trichloroethane	5	5	5	0.24	5 U	10 U	25 U	25 U	1 U	1 U		5 U	1 U	25 U	25 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300		10 U							1 U			
1,1,2-Trichlorotrifluoroethane	63000	170000		59000					1 U	1 U						1 U
1,1-Dichloroethane	31	160		2.4	5 U	10 U	25 U	25 U	1 U	1 U		5 U	2.6	25 U	25 U	120
1,1-Dichloroethene	7	7	7	340	61	57	19 J	19 J	1 U	1 U		5 U	1.7	25 U	25 U	1320
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0065			25 U	25 U						25 U	25 U	
1,2-Dichloroethane	5	5	5	0.15	5 U	10 U	25 U	25 U	1	1 U		5 U	1 U	25 U	25 U	40
1,2-Dichloroethene	70	70	70	330	94							150				
1,2-Dichloropropane	5	5	5	0.39		10 U	25 U	25 U	1 U	1 U		5 U	1 U	25 U	25 U	1 U
1,3,5-Trimethylbenzene	13	53		370												
1,3-Dichlorobenzene	600	600			10 U	20 U							2 U			
1,3-Dichloropropene	6.6	26		0.43												1 U
1,3-Dioxolane																
1,4-Dioxane	6.4	32		0.67			5000 U	5000 U						5000 U	5000 U	
2-Butanone	4000	4000		7100	20 U		250 U	250 U				20 U		250 U	250 U	
2-Chloroethyl Vinyl Ether						10 U			10 U	10 U			1 U			10 U
2-Hexanone	11	44		47	20 U		250 U	250 U				20 U		250 U	250 U	
4-Methyl-2-Pentanone	2900	8200		2000	10 U		250 U	250 U				10 U		250 U	250 U	
Acetone	33000	92000		22000	20 U		250 U	250 U				20 U		250 U	250 U	
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045			500 U	500 U						500 U	500 U	
Benzene	5	5	5	0.41	5 U		25 U	25 U	2 U	2 U		5 U		25 U	25 U	2 U
Bromochloromethane	90	90					25 U	25 U						25 U	25 U	
Bromodichloromethane	80	80		0.12	5 U	10 U	25 U	25 U				5 U	1 U	25 U	25 U	2 U
Bromoform	80	80		8.5	5 U	10 U	25 U	25 U	2 U	2 U		5 U	1 U	25 U	25 U	2 U
Bromomethane	10	10		8.7	5 U	20 U	25 U	25 U	5 U	5 U		5 U	2 U	25 U	25 U	5 U
Carbon Disulfide	1500	6200		1000	10 U		25 U	25 U				10 U		25 U	25 U	
Carbon Tetrachloride	5	5	5	0.44	5 U	10 U	25 U	25 U	1 U	1 U		5 U	1 U	25 U	25 U	1 U
Chlorobenzene	100	100	100	91	50 U	20 U	25 U	25 U	1 U	1 U		5 U	2 U	25 U	25 U	1 U
Chlorodibromomethane	80	80		0.15	5 U	10 U	25 U	25 U	2 U	2 U		5 U	1 U	25 U	25 U	2 U
Chloroethane	230	900		21000		20 U	25 U	25 U	1 U	1 U		5 U	2 U	25 U	25 U	1 U
Chloroform	80	80		0.19	5 U	10 U	25 U	25 U	6	3		5 U	1.9	25 U	25 U	1 U
Chloromethane	30	30		190			25 U	25 U	5 U	5 U		5 U		25 U	25 U	5 U
cis-1,2-Dichloroethene	70	70	70	73		0 U	52	58	96	150			0 U	160	120	
cis-1,3-Dichloropropene	6.6	26		0.43		10 U	25 U	25 U	1 U	1 U		5 U	1 U	25 U	25 U	
Ethylbenzene	700	700	700	1.5	50 U		25 U	25 U	1 U	1 U		5 U		25 U	25 U	1 U
Isopropylbenzene	840	3500		680												
Methyl tert-butyl ether	20	20		12			25 U	25 U						25 U	25 U	
Methylene chloride	5	5		4.8		10 U	25 U	25 U	5 U	2 U		5 U	1 U	6.5 J	9.9 J	2 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 2.4-3
Groundwater Data Summary - VOC 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 11/2/1995	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
Naphthalene	100	100		0.14												
Styrene	100	100	100	1600	5 U		25 U	25 U				5 U		25 U	25 U	
Tetrachloroethene	5	5	5	0.11	5 U	10 U	25 U	25 U	418	640	270	230	240	560	500	1 U
Toluene	1000	1000	1000	2300	50 U		25 U	25 U	2 U	2 U		5 U		25 U	25 U	2 U
trans-1,2-Dichloroethene	100	100	100	110		10 U	25 U	25 U			120		4.1	5.2 J	25 U	96
trans-1,3-Dichloropropene	6.6	26		0.43	5 U	10 U	25 U	25 U				5 U	1 U	25 U	25 U	
Trichloroethene	5	5	5	2	1100	680	440	370	29	40	160	160	160	45	31	20
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	5 U	10 U	25 U	25 U	1 U	1 U		5 U	1 U	25 U	25 U	1 U
VOC Library Search					0 U							0 U				
Xylenes (Total)	10000	10000	10000	200	10 U		75 U	75 U				10 U		75 U	75 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 2.4-3
Groundwater Data Summary - VOC 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 10/31/1990	MW-28 2/6/1991	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
TOTAL VOC																	
				42.82	6082	5893	974	269	246.1	137.62	0	0	0	0	0	96	0
Volatile Organic Compound																	
1,1,1,2-Tetrachloroethane	70	70		0.52							2 U					1 U	
1,1,1-Trichloroethane	200	200	200	9100	930	5400	5100	560	72	53	31	1 U	1 U	1 U	1 U	1 U	2
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	50 U	20 U	10 U	5 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	5 U	10 U	1	1 U	5 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300						1 U					1 U		
1,1,2-Trichlorotrifluoroethane	63000	170000		59000	1 U	1 U	1 U	1 U				1 U	1 U				1 U
1,1-Dichloroethane	31	160		2.4	72	45	51	15	28	31	5.2	1 U	1 U	1 U	1 U	1 U	2
1,1-Dichloroethene	7	7	7	340	130	280	390	73	110	120	21	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	15	62		15													
1,2-Dibromoethane	0.05	0.05	0.05	0.0065							2 U					1 U	
1,2-Dichloroethane	5	5	5	0.15	3	12	9	3	5 U	2.7	0.35 J	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330				34	8				1 U	1 U			
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U	5 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	13	53		370													
1,3-Dichlorobenzene	600	600								2 U					2 U		
1,3-Dichloropropene	6.6	26		0.43				1 U					1 U				
1,3-Dioxolane									10 J								
1,4-Dioxane	6.4	32		0.67							400 U					200 U	
2-Butanone	4000	4000		7100					100 U		20 U			20 U		10 U	
2-Chloroethyl Vinyl Ether					10 U	10 U	10 U	10 U		1 U		10 U	10 U		1 U		10 U
2-Hexanone	11	44		47					100 U		20 U			20 U		10 U	
4-Methyl-2-Pentanone	2900	8200		2000					50 U		20 U			10 U		10 U	
Acetone	33000	92000		22000					100 U		20 U			20 U		10 U	
Acrolein	0.042	0.18		0.042													
Acrylonitrile	0.72	3.7		0.045							40 U					20 U	
Benzene	5	5	5	0.41	5 U	10 U	2 U	2 U	5 U		2 U	2 U	2 U	1 U		1 U	3
Bromochloromethane	90	90									2 U					1 U	
Bromodichloromethane	80	80		0.12				20 U	5 U	1 U	2 U		2 U	1 U	1 U	1 U	
Bromoform	80	80		8.5	2 U	2 U	2 U	2 U	5 U	1 U	2 U	2 U	2 U	1 U	1 U	1 U	2 U
Bromomethane	10	10		8.7	5 U	5 U	5 U	5 U	5 U	2 U	2 U	5 U	5 U	1 U	2 U	1 U	5 U
Carbon Disulfide	1500	6200		1000					50 U		2 U			10 U		1 U	
Carbon Tetrachloride	5	5	5	0.44	100 U	500 U	500 U	50 U	5 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	91	1 U	1 U	1 U	1 U	5 U	2 U	2 U	1 U	1 U	1 U	2 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	10 U	20 U	2 U	2 U	5 U	1 U	2 U	2 U	2 U	1 U	1 U	1 U	2 U
Chloroethane	230	900		21000	1 U	1 U	1 U	1 U	5 U	2 U	2 U	1 U	1 U	1 U	2 U	1 U	1 U
Chloroform	80	80		0.19	8	10	6	8	5 U	1 U	0.2 J	1 U	1 U	1 U	1 U	1 U	5 U
Chloromethane	30	30		190	5 U	5 U	5 U	5 U	5 U		2 U	5 U	5 U	1 U		1 U	5 U
cis-1,2-Dichloroethene	70	70	70	73	63	35	36			0 U	14	1 U				1 U	15
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U		5 U	1 U	2 U	1 U		1 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	1 U	5 U		2 U	1 U	1 U	1 U		1 U	1 U
Isopropylbenzene	840	3500		680													
Methyl tert-butyl ether	20	20		12							2 U					1 U	
Methylene chloride	5	5		4.8	2 U	2 U	2 U	2 U	5 U	1 U	0.57 J	5 U	2 U	1 U	1 U	1 U	2 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 2.4-3
Groundwater Data Summary - VOC 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 10/31/1990	MW-28 2/6/1991	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
Naphthalene	100	100		0.14													
Styrene	100	100	100	1600					5 U		2 U			1 U		1 U	
Tetrachloroethene	5	5	5	0.11	44	120	120	41	5 U	3.4	7.3	1 U	1 U	1 U	1 U	1 U	6
Toluene	1000	1000	1000	2300	2 U	2 U	2 U	2 U	5 U		2 U	2 U	2 U	1 U		1 U	4
trans-1,2-Dichloroethene	100	100	100	110						1 U	2 U				1 U	1 U	
trans-1,3-Dichloropropene	6.6	26		0.43					5 U	1 U	2 U			1 U	1 U	1 U	
Trichloroethene	5	5	5	2	620	180	180	240	41	36	58	1 U	1 U	1 U	1 U	1 U	64
Vinyl Acetate	420	1800		410													
Vinyl Chloride	2	2	2	0.016	1 U	1 U	1 U	1 U	5 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
VOC Library Search									0 U					0 U			
Xylenes (Total)	10000	10000	10000	200					5 U		6 U			1 U		3 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 2.4-3
Groundwater Data Summary - VOC 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 9/27/1999	MW-30 3/22/2000	MW-30 5/7/2008	MW-30 Dup 5/7/2008	MW-31D 1/12/1990	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 1/12/1990	MW-31S 5/26/1995
TOTAL VOC																
				42.82	0	0	0	2086	1042	595	643	413.7	463.8	112	151	92
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52			1 U	1 U					25 U	25 U		
1,1,1-Trichloroethane	200	200	200	9100	1 U	1 U	1 U	1 U	7	5 U	10 U		25 U	25 U	6	12
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	1 U	1 U	1 U	5 U	10 U		25 U	25 U	1 U	
1,1,2-Trichloroethane	5	5	5	0.24	1 U	1 U	1 U	1 U	20 U	5 U	10 U		25 U	25 U	1 U	1
1,1,2-Trichlorofluoromethane	2000	2000		1300		1 U					10 U					
1,1,2-Trichlorotrifluoroethane	63000	170000		59000					1 U						1 U	
1,1-Dichloroethane	31	160		2.4	1 U	1 U	1 U	1 U	4	5 U	10 U		25 U	25 U	2	10
1,1-Dichloroethene	7	7	7	340	1 U	1 U	1 U	1 U	3	5 U	10 U		25 U	7.1 J	9	73
1,2,4-Trimethylbenzene	15	62		15									25 U	1 U		
1,2-Dibromoethane	0.05	0.05	0.05	0.0065			1 U	1 U					25 U	25 U		
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	1 U	1 U	1 U	5 U	10 U		25 U	25 U	1 U	1
1,2-Dichloroethene	70	70	70	330	1 U					400						
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U	1 U	5 U	10 U		25 U	25 U	1 U	
1,3,5-Trimethylbenzene	13	53		370									25 U	1 U		
1,3-Dichlorobenzene	600	600				2 U					20 U					
1,3-Dichloropropene	6.6	26		0.43					1 U						1 U	
1,3-Dioxolane																
1,4-Dioxane	6.4	32		0.67			200 U	200 U					5000 U	5000 U		
2-Butanone	4000	4000		7100	20 U		10 U	10 U		20 U			250 U	250 U		
2-Chloroethyl Vinyl Ether						1 U			10 U		10 U				10 U	
2-Hexanone	11	44		47	20 U		10 U	10 U		20 U			250 U	250 U		
4-Methyl-2-Pentanone	2900	8200		2000	10 U		10 U	10 U		10 U			250 U	250 U		
Acetone	33000	92000		22000	20 U		10 U	10 U		20 U			250 U	250 U		10
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045			20 U	20 U					500 U	500 U		
Benzene	5	5	5	0.41	1 U		1 U	1 U	2 U	5 U			25 U	25 U	2 U	1
Bromochloromethane	90	90					1 U	1 U					25 U	25 U		
Bromodichloromethane	80	80		0.12	1 U	1 U	1 U	1 U	2 U	5 U	10 U		25 U	25 U	2 U	5
Bromoform	80	80		8.5	1 U	1 U	1 U	1 U	2 U	5 U	10 U		25 U	25 U	2 U	
Bromomethane	10	10		8.7	1 U	2 U	1 U	1 U	5 U	5 U	20 U		25 U	25 U	5 U	
Carbon Disulfide	1500	6200		1000	10 U		1 U	1 U		10 U			25 U	25 U		1
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	1 U	1 U	1 U	5 U	10 U		25 U	25 U	1 U	1
Chlorobenzene	100	100	100	91	1 U	2 U	1 U	1 U	1 U	5 U	20 U		25 U	25 U	1 U	1
Chlorodibromomethane	80	80		0.15	1 U	1 U	1 U	1 U	50 U	5 U	10 U		25 U	25 U	2 U	
Chloroethane	230	900		21000	1 U	2 U	1 U	1 U	1 U	5 U	20 U		25 U	25 U	1 U	2
Chloroform	80	80		0.19	1 U	1 U	1 U	1 U	1 U	5 U	10 U		25 U	25 U	1 U	
Chloromethane	30	30		190	1 U		1 U	1 U	5 U	5 U			25 U	25 U	5 U	
cis-1,2-Dichloroethene	70	70	70	73			1 U	1 U					140	130		6
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	1 U		5 U	10 U		25 U	25 U		
Ethylbenzene	700	700	700	1.5	1 U		1 U	1 U	1 U	5 U			25 U	25 U	1 U	1
Isopropylbenzene	840	3500		680									25 U	1 U		
Methyl tert-butyl ether	20	20		12			1 U	1 U					25 U	25 U		
Methylene chloride	5	5		4.8	1 U	1 U	1 U	1 U	2 U	5 U	10 U		8.8 J	25 U	2 U	2

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 2.4-3
Groundwater Data Summary - VOC 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 9/27/1999	MW-30 3/22/2000	MW-30 5/7/2008	MW-30 Dup 5/7/2008	MW-31D 1/12/1990	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 1/12/1990	MW-31S 5/26/1995
Naphthalene	100	100		0.14									25 U	1 U		
Styrene	100	100	100	1600	1 U		1 U	1 U		5 U			25 U	25 U		
Tetrachloroethene	5	5	5	0.11	1 U	1 U	1 U	1 U	32	12	15	13	4.9 J	6.7 J	12	
Toluene	1000	1000	1000	2300	1 U		1 U	1 U	2 U	5 U			25 U	25 U	2 U	1
trans-1,2-Dichloroethene	100	100	100	110		1 U	1 U	1 U	540		10 U		25 U	25 U	20	1
trans-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	1 U		5 U	10 U		25 U	25 U		
Trichloroethene	5	5	5	2	1 U	1 U	1 U	1 U	1500	630	580	630	260	320	63	11
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	1 U	1 U	1 U	1 U	1 U	5 U	10 U		25 U	25 U	1 U	6
VOC Library Search					0 U					0 U						
Xylenes (Total)	10000	10000	10000	200	1 U		3 U	3 U		10 U			75 U	75 U		5

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 2.4-3
Groundwater Data Summary - VOC 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-31S 9/27/1999	MW-31S 3/24/2000	MW-31S 4/28/2008	MW-31S 9/11/2008	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 11/2/1995	MW-32D 7/16/1996	MW-32D 10/22/1997
TOTAL VOC																
				42.82	75.8	30.14	60.86	4237	101480	810	1489	1386	4224	4072	1281	3452
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52			1 U	1 U								
1,1,1-Trichloroethane	200	200	200	9100	4	2.6	1 U	0.33 J	3300	100000	285	310	170	260	250	63
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	1 U	1 U	5 U	20 U	10 U	10 U	10 U		20 U	
1,1,2-Trichloroethane	5	5	5	0.24	1 U	1 U	0.43 J	0.84 J	10 U	40	5 U	10 U	20 U		20 U	0 U
1,1,2-Trichlorofluoromethane	2000	2000		1300		1 U										
1,1,2-Trichlorotrifluoroethane	63000	170000		59000					1 U	20 U	5 U	1 U	1 U			
1,1-Dichloroethane	31	160		2.4	9	7	5	6.4	75	380	85	100	48	64	61	48
1,1-Dichloroethene	7	7	7	340	65	52	17	34	390	840	45	81	64	210	110	92
1,2,4-Trimethylbenzene	15	62		15			1 U	1 U								
1,2-Dibromoethane	0.05	0.05	0.05	0.0065			1 U	1 U								
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	0.18 J	0.35 J	4	100	5 U	1 U	2		20 U	0 U
1,2-Dichloroethene	70	70	70	330	4											
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U	10 U	20 U	5 U	1 U	1 U		20 U	
1,3,5-Trimethylbenzene	13	53		370			1 U	1 U								
1,3-Dichlorobenzene	600	600				2 U										
1,3-Dichloropropene	6.6	26		0.43					10 U							
1,3-Dioxolane																
1,4-Dioxane	6.4	32		0.67			200 U	200 U								
2-Butanone	4000	4000		7100	20 U		10 U	10 U							400 U	
2-Chloroethyl Vinyl Ether						1 U			10 U	200 U	50 U	10 U	10 U		200 U	
2-Hexanone	11	44		47	20 U		10 U	10 U							200 U	
4-Methyl-2-Pentanone	2900	8200		2000	10 U		10 U	10 U							200 U	
Acetone	33000	92000		22000	20 U		10 U	10 U							400 U	0 U
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045			20 U	20 U								
Benzene	5	5	5	0.41	1 U		1 U	1 U	2 U	40 U	10 U	20 U	50 U		20 U	0 U
Bromochloromethane	90	90					1 U	1 U								
Bromodichloromethane	80	80		0.12	1 U	1 U	1 U	1 U	200 U						20 U	0 U
Bromoform	80	80		8.5	1 U	1 U	1 U	1 U	2 U	40 U	10 U	2 U	2 U		20 U	
Bromomethane	10	10		8.7	1 U	2 U	1 U	1 U	5 U	100 U	25 U	5 U	5 U		40 U	
Carbon Disulfide	1500	6200		1000	10 U		1 U	1 U							20 U	0 U
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	1 U	1 U	500 U	10000 U	25 U	20 U	10 U		20 U	0 U
Chlorobenzene	100	100	100	91	1 U	2 U	1 U	1 U	1 U	20 U	5 U	1 U	1 U		20 U	0 U
Chlorodibromomethane	80	80		0.15	1 U	1 U	1 U	1 U	20 U	100 U	10 U	20 U	50 U		20 U	
Chloroethane	230	900		21000	1 U	2 U	1 U	1 U	1 U	20 U	5 U	1 U	1 U		40 U	0 U
Chloroform	80	80		0.19	1 U	1 U	1 U	0.34 J	12	20 U	5 U	2	1 U		20 U	0 U
Chloromethane	30	30		190	1 U		1 U	1 U	5 U	100 U	25 U	5 U	5 U		40 U	
cis-1,2-Dichloroethene	70	70	70	73			1.7	4.2		20 U	45	100	190		690	
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	1 U		20 U	5 U	1 U	1 U		20 U	
Ethylbenzene	700	700	700	1.5	1 U		1 U	1 U	1 U	20 U	5 U	1 U	1 U		20 U	0 U
Isopropylbenzene	840	3500		680			1 U	1 U								
Methyl tert-butyl ether	20	20		12			1 U	1 U								
Methylene chloride	5	5		4.8	1 U	1 U	1 U	1 U	2 U	40 U	10 U	2 U	2 U		40 U	0 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 2.4-3
Groundwater Data Summary - VOC 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-31S 9/27/1999	MW-31S 3/24/2000	MW-31S 4/28/2008	MW-31S 9/11/2008	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 11/2/1995	MW-32D 7/16/1996	MW-32D 10/22/1997
Naphthalene	100	100		0.14			1 U	1 U								
Styrene	100	100	100	1600	1 U		1 U	1 U							20 U	
Tetrachloroethene	5	5	5	0.11	1	1.6	2.2	2	30	20 U	20	76	82	260	230	78
Toluene	1000	1000	1000	2300	1 U		1 U	1 U	6	40 U	10 U	2 U	2 U		20 U	0 U
trans-1,2-Dichloroethene	100	100	100	110		1 U	1 U	1 U	50					730	31	0 U
trans-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	1 U							20 U	
Trichloroethene	5	5	5	2	5	9.4	3.1	11	370	120	330	820	830	2700	2700	1000
Vinyl Acetate	420	1800		410											200 U	
Vinyl Chloride	2	2	2	0.016	4	3.2	0.53 J	1.4	1 U	20 U	5 U	1 U	1 U		40 U	0 U
VOC Library Search					0 U											
Xylenes (Total)	10000	10000	10000	200	1 U		3 U	3 U							100 U	0 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 2.4-3
Groundwater Data Summary - VOC 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 12/10/1998	MW-32D 9/28/1999	MW-32D Dup 9/28/1999	MW-32D 4/6/2000	MW-32D 6/26/2001	MW-32D 6/14/2002	MW-32D 6/6/2003	MW-32D 6/10/2004	MW-32D 6/21/2005	MW-32D 6/23/2006	MW-32D 6/29/2007	MW-32D 5/8/2008
TOTAL VOC																
				42.82	2726	2573	1624	1777.3	1274	471.8	471.8	209.3	723.1	212.3	1590	998
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52												25 U
1,1,1-Trichloroethane	200	200	200	9100	98	96	90	86	25	21	20.4	5.9 J	2 J	15 U	5 U	25 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067		50 U	50 U	10 U				2 U	2 U	15 U	5 U	25 U
1,1,2-Trichloroethane	5	5	5	0.24	0 U	50 U	50 U	10 U	0 U	0 U	0 U	6 U	6 U	15 U	5 U	25 U
1,1,2-Trichlorofluoromethane	2000	2000		1300				10 U								
1,1,2-Trichlorotrifluoroethane	63000	170000		59000												
1,1-Dichloroethane	31	160		2.4	44	50 U	50 U	56	98	20	15.8	8.9 J	3.3 J	8.5 J	4 J	17 J
1,1-Dichloroethene	7	7	7	340	160	130	120	150	86	36	22.9	20	8.4	24	9.6	65
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0065												25 U
1,2-Dichloroethane	5	5	5	0.15	0 U	50 U	50 U	10 U	1.8	0 U	0 U	4 U	4 U	15 U	5 U	25 U
1,2-Dichloroethene	70	70	70	330		800	770									
1,2-Dichloropropane	5	5	5	0.39		50 U	50 U	10 U				2 U	2 U	15 U	5 U	25 U
1,3,5-Trimethylbenzene	13	53		370												
1,3-Dichlorobenzene	600	600						20 U								
1,3-Dichloropropene	6.6	26		0.43												
1,3-Dioxolane																
1,4-Dioxane	6.4	32		0.67								2000 U	2000 U	3000 U	1000 U	5000 U
2-Butanone	4000	4000		7100		1000 U	1000 U					10 U	10 U	15 U	5 U	250 U
2-Chloroethyl Vinyl Ether								10 U				10 U	10 U	30 U	10 U	
2-Hexanone	11	44		47		1000 U	1000 U									250 U
4-Methyl-2-Pentanone	2900	8200		2000		500 U	500 U									250 U
Acetone	33000	92000		22000	0 U	1000 U	1000 U		0 U	0 U						250 U
Acrolein	0.042	0.18		0.042								200 U	200 U	300 U	100 U	
Acrylonitrile	0.72	3.7		0.045								100 U	100 U	300 U	100 U	500 U
Benzene	5	5	5	0.41	0 U	50 U	50 U		0 U	0 U	0 U	2 U	2 U	15 U	5 U	25 U
Bromochloromethane	90	90														25 U
Bromodichloromethane	80	80		0.12	0 U	50 U	50 U	10 U	0 U	0 U	0 U	2 U	2 U	15 U	5 U	25 U
Bromoform	80	80		8.5		50 U	50 U	10 U				8 U	8 U	15 U	5 U	25 U
Bromomethane	10	10		8.7		50 U	50 U	20 U				10 U	10 U	15 U	5 U	25 U
Carbon Disulfide	1500	6200		1000	0 U	500 U	500 U		0 U	0 U						25 U
Carbon Tetrachloride	5	5	5	0.44	0 U	50 U	50 U	10 U	0 U	0 U	0 U	4 U	4 U	15 U	5 U	25 U
Chlorobenzene	100	100	100	91	0 U	50 U	50 U	20 U	0 U	0 U	0 U	10 U	10 U	15 U	5 U	25 U
Chlorodibromomethane	80	80		0.15		50 U	50 U	10 U				10 U	10 U	15 U	5 U	25 U
Chloroethane	230	900		21000	0 U	50 U	50 U	20 U	0 U	0 U	0 U	10 U	10 U	15 U	5 U	25 U
Chloroform	80	80		0.19	0 U	50 U	50 U	10 U	0 U	0 U	0 U	10 U	10 U	15 U	5 U	25 U
Chloromethane	30	30		190		50 U	50 U					10 U	10 U	15 U	5 U	25 U
cis-1,2-Dichloroethene	70	70	70	73	620				295	239		240	130	310	110	450
cis-1,3-Dichloropropene	6.6	26		0.43		50 U	50 U	10 U				10 U	10 U	15 U	5 U	25 U
Ethylbenzene	700	700	700	1.5	0 U	50 U	50 U		0 U	0 U	0 U	8 U	8 U	15 U	5 U	25 U
Isopropylbenzene	840	3500		680												
Methyl tert-butyl ether	20	20		12												25 U
Methylene chloride	5	5		4.8	0 U	50 U	50 U	10 U	0 U	0 U	0 U	6 U	6 U	15 U	5 U	11 J

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 2.4-3
Groundwater Data Summary - VOC 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 12/10/1998	MW-32D 9/28/1999	MW-32D Dup 9/28/1999	MW-32D 4/6/2000	MW-32D 6/26/2001	MW-32D 6/14/2002	MW-32D 6/6/2003	MW-32D 6/10/2004	MW-32D 6/21/2005	MW-32D 6/23/2006	MW-32D 6/29/2007	MW-32D 5/8/2008
Naphthalene	100	100		0.14												
Styrene	100	100	100	1600		50 U	50 U									25 U
Tetrachloroethene	5	5	5	0.11	130	100	93	78	32	75	64.4	12	3.6	25	6.2	56
Toluene	1000	1000	1000	2300	0 U	50 U	50 U		0 U	0 U	0 U	10 U	10 U	15 U	5 U	25 U
trans-1,2-Dichloroethene	100	100	100	110	0 U			10 U	4.5	0 U	5.2	10 U	10 U	15 U	5 U	25 U
trans-1,3-Dichloropropene	6.6	26		0.43		50 U	50 U	10 U				10 U	10 U	15 U	5 U	25 U
Trichloroethene	5	5	5	2	2400	1600	1500	1200	343	847	292	160	48	350	79	970
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	0 U	50 U	50 U	54	892	36	51.1	25	14	5.6 J	3.5 J	21 J
VOC Library Search						0 U										
Xylenes (Total)	10000	10000	10000	200	0 U	50 U			0 U	0 U						75 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 2.4-3
Groundwater Data Summary - VOC 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 10/2/2008	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 11/2/1995	MW-32S 7/16/1996	MW-32S 10/21/1997	MW-32S 12/10/1998	MW-32S 9/29/1999
TOTAL VOC																
				42.82	1097	8800	6380	13025	12290	6568	1980	2053	417	543.1	777	1039
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52	25 U	25 U										
1,1,1-Trichloroethane	200	200	200	9100	25 U	25 U	7300	5400	11000	9500	4800	940	640	260	130	320
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	25 U	25 U	50 U	5 U	20 U	50 U	20 U		10 U			5 U
1,1,2-Trichloroethane	5	5	5	0.24	25 U	25 U	25 U	5 U	10	20 U	20 U		10 U	0 U	0 U	5 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1,2-Trichlorotrifluoroethane	63000	170000		59000			5 U	5 U	5 U	5 U	1 U					
1,1-Dichloroethane	31	160		2.4	25 U	11 J	150	190	270	230	120	70	35	36	33	24
1,1-Dichloroethene	7	7	7	340	35	42	850	580	1400	1200	650	260	98	78	63	32
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	25 U	25 U										
1,2-Dichloroethane	5	5	5	0.15	25 U	25 U	5	10	15	5	12		10 U	0 U	0 U	5 U
1,2-Dichloroethene	70	70	70	330												74
1,2-Dichloropropane	5	5	5	0.39	25 U	25 U	50 U	5 U	5 U	5 U	1 U		10 U			5 U
1,3,5-Trimethylbenzene	13	53		370												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.43			50 U									
1,3-Dioxolane																
1,4-Dioxane	6.4	32		0.67	5000 U	5000 U										
2-Butanone	4000	4000		7100	250 U	250 U							200 U			100 U
2-Chloroethyl Vinyl Ether							50 U	50 U	50 U	50 U	10 U		100 U			
2-Hexanone	11	44		47	250 U	250 U							100 U			100 U
4-Methyl-2-Pentanone	2900	8200		2000	250 U	250 U							100 U			50 U
Acetone	33000	92000		22000	250 U	250 U							200 U	0 U	0 U	100 U
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045	500 U	500 U										
Benzene	5	5	5	0.41	25 U	25 U	10 U	10 U	10 U	50 U	50 U		10 U	0 U	0 U	5 U
Bromochloromethane	90	90			25 U	25 U										
Bromodichloromethane	80	80		0.12	25 U	25 U	200 U						10 U	0 U	0 U	5 U
Bromoform	80	80		8.5	25 U	25 U	10 U	10 U	10 U	10 U	2 U		10 U			5 U
Bromomethane	10	10		8.7	25 U	25 U	25 U	25 U	25 U	25 U	5 U		20 U			5 U
Carbon Disulfide	1500	6200		1000	25 U	25 U							10 U	0 U	0 U	50 U
Carbon Tetrachloride	5	5	5	0.44	25 U	25 U	500 U	500 U	1000 U	1000 U	500 U		10 U	0 U	0 U	5 U
Chlorobenzene	100	100	100	91	25 U	25 U	5 U	5 U	5 U	5 U	1 U		10 U	0 U	0 U	5 U
Chlorodibromomethane	80	80		0.15	25 U	25 U	50 U	10 U	20 U	50 U	50 U		10 U			5 U
Chloroethane	230	900		21000	25 U	25 U	5 U	5 U	5 U	5 U	1 U		20 U	0 U	0 U	5 U
Chloroform	80	80		0.19	25 U	25 U	15	10	15	5	6		10 U	0 U	0 U	5 U
Chloromethane	30	30		190	25 U	25 U	25 U	25 U	25 U	25 U	5 U		20 U			5 U
cis-1,2-Dichloroethene	70	70	70	73	340	390		30	45	140	110		200		310	
cis-1,3-Dichloropropene	6.6	26		0.43	25 U	25 U		5 U	5 U	5 U	1 U		10 U			5 U
Ethylbenzene	700	700	700	1.5	25 U	25 U	5 U	5 U	5 U	5 U	1 U		10 U	0 U	0 U	5 U
Isopropylbenzene	840	3500		680												
Methyl tert-butyl ether	20	20		12	25 U	25 U										
Methylene chloride	5	5		4.8	25 U	25 U	10 U	10 U	10 U	10 U	2 U		20 U	0 U	0 U	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 2.4-3
Groundwater Data Summary - VOC 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 10/2/2008	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 11/2/1995	MW-32S 7/16/1996	MW-32S 10/21/1997	MW-32S 12/10/1998	MW-32S 9/29/1999
Naphthalene	100	100		0.14												
Styrene	100	100	100	1600	25 U	25 U							10 U			5 U
Tetrachloroethene	5	5	5	0.11	49	26	75	15	35	210	150	150	150	0 U	0 U	27
Toluene	1000	1000	1000	2300	25 U	25 U	10 U	15	10 U	10 U	2 U		10 U	0 U	0 U	5 U
trans-1,2-Dichloroethene	100	100	100	110	25 U	25 U	50					100	10 U	0 U	0 U	
trans-1,3-Dichloropropene	6.6	26		0.43	25 U	25 U							10 U			5 U
Trichloroethene	5	5	5	2	560	590	355	130	235	1000	720	460	930	43	7.1	300
Vinyl Acetate	420	1800		410									100 U			
Vinyl Chloride	2	2	2	0.016	14 J	38	5 U	5 U	5 U	5 U	1 U		20 U	0 U	0 U	5 U
VOC Library Search																0 U
Xylenes (Total)	10000	10000	10000	200	75 U	75 U							50 U	0 U	0 U	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 2.4-3
Groundwater Data Summary - VOC 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 4/6/2000	MW-32S 6/25/2001	MW-32S 6/14/2002	MW-32S 6/5/2003	MW-32S 6/8/2004	MW-32S 6/16/2005	MW-32S Dup 6/16/2005	MW-32S Dup 6/22/2006	MW-32S 6/22/2006	MW-32S 6/27/2007	MW-32S 5/13/2008	MW-32S 9/22/2008
TOTAL VOC																
				42.82	1042.8	146.8	72.5	870	437	1072	612	503	380	470.1	509.1	376
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52											15 U	15 U
1,1,1-Trichloroethane	200	200	200	9100	330	279	4.2	6.9	370	160	410	200	160	110	100	110
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	10 U				2 U	2 U	5 U	12 U	10 U	10 U	15 U	15 U
1,1,2-Trichloroethane	5	5	5	0.24	10 U	0 U	0 U	0 U	6 U	6 U	15 U	12 U	10 U	10 U	15 U	15 U
1,1,2-Trichlorofluoromethane	2000	2000		1300	10 U											
1,1,2-Trichlorotrifluoroethane	63000	170000		59000												
1,1-Dichloroethane	31	160		2.4	29	39	126	46.8	20	16	40	22	19	16	13 J	17
1,1-Dichloroethene	7	7	7	340	53	44	0 U	3.6	31	26	66	18	18	18	15	20
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0065											15 U	15 U
1,2-Dichloroethane	5	5	5	0.15	10 U	0 U	0 U	0 U	4 U	4 U	10 U	12 U	10 U	10 U	15 U	15 U
1,2-Dichloroethene	70	70	70	330												
1,2-Dichloropropane	5	5	5	0.39	10 U				2 U	2 U	5 U	12 U	10 U	10 U	15 U	15 U
1,3,5-Trimethylbenzene	13	53		370												
1,3-Dichlorobenzene	600	600			20 U											
1,3-Dichloropropene	6.6	26		0.43												
1,3-Dioxolane																
1,4-Dioxane	6.4	32		0.67					2000 U	2000 U	5000 U	2500 U	2000 U	2000 U	3000 U	3000 U
2-Butanone	4000	4000		7100					10 U	10 U	25 U	12 U	10 U	10 U	150 U	150 U
2-Chloroethyl Vinyl Ether					10 U				10 U	10 U	25 U	25 U	20 U	20 U		
2-Hexanone	11	44		47											150 U	150 U
4-Methyl-2-Pentanone	2900	8200		2000											150 U	150 U
Acetone	33000	92000		22000		0 U	0 U								150 U	150 U
Acrolein	0.042	0.18		0.042					200 U	200 U	500 U	250 U	200 U	200 U		
Acrylonitrile	0.72	3.7		0.045					100 U	100 U	250 U	250 U	200 U	200 U	300 U	300 U
Benzene	5	5	5	0.41		0 U	0 U	0 U	2 U	2 U	5 U	12 U	10 U	10 U	15 U	15 U
Bromochloromethane	90	90													15 U	15 U
Bromodichloromethane	80	80		0.12	10 U	0 U	0 U	0 U	2 U	2 U	5 U	12 U	10 U	10 U	15 U	15 U
Bromoform	80	80		8.5	10 U				8 U	8 U	20 U	12 U	10 U	10 U	15 U	15 U
Bromomethane	10	10		8.7	20 U				10 U	10 U	25 U	12 U	10 U	10 U	15 U	15 U
Carbon Disulfide	1500	6200		1000		0 U	0 U								15 U	15 U
Carbon Tetrachloride	5	5	5	0.44	10 U	0 U	0 U	0 U	4 U	4 U	10 U	12 U	10 U	10 U	15 U	15 U
Chlorobenzene	100	100	100	91	20 U	0 U	0 U	0 U	10 U	10 U	25 U	12 U	10 U	10 U	15 U	15 U
Chlorodibromomethane	80	80		0.15	10 U				10 U	10 U	25 U	12 U	10 U	10 U	15 U	15 U
Chloroethane	230	900		21000	20 U	0 U	0 U	0 U	10 U	10 U	25 U	12 U	10 U	10 U	15 U	15 U
Chloroform	80	80		0.19	10 U	1.4	0 U	0 U	10 U	10 U	25 U	12 U	10 U	10 U	15 U	15 U
Chloromethane	30	30		190					10 U	10 U	25 U	12 U	10 U	10 U	15 U	15 U
cis-1,2-Dichloroethene	70	70	70	73		124	1.6		84	65	150	73	60	50	74	69
cis-1,3-Dichloropropene	6.6	26		0.43	10 U				10 U	10 U	25 U	12 U	10 U	10 U	15 U	15 U
Ethylbenzene	700	700	700	1.5		0 U	0 U	0 U	8 U	8 U	20 U	12 U	10 U	10 U	15 U	15 U
Isopropylbenzene	840	3500		680												
Methyl tert-butyl ether	20	20		12											15 U	15 U
Methylene chloride	5	5		4.8	10 U	0 U	0 U	0 U	6 U	6 U	15 U	12 U	10 U	10 U	6.1 J	7.1 J B

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 2.4-3
Groundwater Data Summary - VOC 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 4/6/2000	MW-32S 6/25/2001	MW-32S 6/14/2002	MW-32S 6/5/2003	MW-32S 6/8/2004	MW-32S 6/16/2005	MW-32S Dup 6/16/2005	MW-32S Dup 6/22/2006	MW-32S 6/22/2006	MW-32S 6/27/2007	MW-32S 5/13/2008	MW-32S 9/22/2008
Naphthalene	100	100		0.14												
Styrene	100	100	100	1600											15 U	15 U
Tetrachloroethene	5	5	5	0.11	47	57	0 U	0 U	25	10	26	19	16	16	22	26
Toluene	1000	1000	1000	2300		0 U	0 U	0 U	10 U	10 U	25 U	12 U	10 U	10 U	15 U	15 U
trans-1,2-Dichloroethene	100	100	100	110	10 U	1.4	0 U	0 U	10 U	10 U	25 U	12 U	10 U	10 U	15 U	15 U
trans-1,3-Dichloropropene	6.6	26		0.43	10 U				10 U	10 U	25 U	12 U	10 U	10 U	15 U	15 U
Trichloroethene	5	5	5	2	580	497	1	15.2	340	160	380	280	230	170	240	260
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	10 U	0 U	14	0 U	10 U	10 U	25 U	12 U	10 U	10 U	15 U	15 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	200		0 U	0 U								45 U	45 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 2.4-3
Groundwater Data Summary - VOC 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 7/6/2009	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	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
TOTAL VOC																
				42.82	64	17	80	59	189	320.2	256	946	584	693	315	288
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52	15 U							10 U				
1,1,1-Trichloroethane	200	200	200	9100	90	29	1	9	3	7	14	2.8 J	220	340	130	110
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	15 U	1 U	1 U	1 U	1 U	5 U	1 U	10 U	10 U	1 U	20 U	10 U
1,1,2-Trichloroethane	5	5	5	0.24	15 U	1 U	1 U	1 U	1 U	5 U	1 U	10 U	10 U	1 U	2 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300							1 U					
1,1,2-Trichlorotrifluoroethane	63000	170000		59000		1 U			1 U				1 U	1 U	1 U	1 U
1,1-Dichloroethane	31	160		2.4	10 J	1 U	1	1 U	1 U	5 U	1 U	10 U	8	16	8	9
1,1-Dichloroethene	7	7	7	340	16	5	3	4	1	5	11	5.2 J	38	32	17	13
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	15 U							10 U				
1,2-Dichloroethane	5	5	5	0.15	15 U	1 U	1 U	1 U	1 U	5 U	1 U	10 U	1	1	1 U	1 U
1,2-Dichloroethene	70	70	70	330					4	30						
1,2-Dichloropropane	5	5	5	0.39	15 U	1 U	1 U	1 U	1 U	5 U	1 U	10 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	13	53		370												
1,3-Dichlorobenzene	600	600									2 U					
1,3-Dichloropropene	6.6	26		0.43		1 U			1 U				1 U			
1,3-Dioxolane																
1,4-Dioxane	6.4	32		0.67	3000 U							2000 U				
2-Butanone	4000	4000		7100	150 U			10 U		100 U		100 U				
2-Chloroethyl Vinyl Ether						10 U	10 U	10 U	10 U		1 U		10 U	10 U	10 U	10 U
2-Hexanone	11	44		47	150 U			10 U		100 U		100 U				
4-Methyl-2-Pentanone	2900	8200		2000	150 U			10 U		50 U		100 U				
Acetone	33000	92000		22000	150 U			10 U		100 U		100 U				
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045	300 U							200 U				
Benzene	5	5	5	0.41	15 UJ	2 U	1 U	1 U	2 U	5 U		10 U	10 U	2 U	10 U	2 U
Bromochloromethane	90	90			15 U							10 U				
Bromodichloromethane	80	80		0.12	15 U	2 U		1 U	2 U	5 U	1 U	10 U	3			
Bromoform	80	80		8.5	15 U	2 U	1 U	1 U	2 U	5 U	1 U	10 U	2 U	2 U	2 U	2 U
Bromomethane	10	10		8.7	15 U	5 U		2 U	5 U	5 U	2 U	10 U	5 U	5 U	5 U	5 U
Carbon Disulfide	1500	6200		1000	15 U			1 U		50 U		10 U				
Carbon Tetrachloride	5	5	5	0.44	15 U	1 U	1 U	1 U	1 U	5 U	1 U	10 U	20 U	20 U	10 U	10 U
Chlorobenzene	100	100	100	91	15 UJ	1 U	1 U	1 U	1 U	5 U	2 U	10 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	15 U	2 U	1 U		2 U	5 U	1 U	10 U	20 U	2 U	5 U	2 U
Chloroethane	230	900		21000	15 U	1 U	2 U	2 U	1 U	5 U	2 U	10 U	1 U	1 U	1 U	1 U
Chloroform	80	80		0.19	15 U	8	1	3	22	5 U	1.2	10 U	14	14	10	9
Chloromethane	30	30		190	15 U	5 U		2 U	5 U	5 U		10 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	73	56		2	11				49		39	58	35
cis-1,3-Dichloropropene	6.6	26		0.43	15 U		1 U	1 U		5 U	1 U	10 U		1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	15 U	1 U	1 U	1 U	1 U	5 U		10 U	1 U	1 U	1 U	1 U
Isopropylbenzene	840	3500		680												
Methyl tert-butyl ether	20	20		12	15 U							10 U				
Methylene chloride	5	5		4.8	15 U	2 U	2 U	2 U	2 U	5 U	1 U	10 U	2 U	2 U	2 U	2 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 2.4-3
Groundwater Data Summary - VOC 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 7/6/2009	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	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
Naphthalene	100	100		0.14												
Styrene	100	100	100	1600	15 U			1 U		5 U		10 U				
Tetrachloroethene	5	5	5	0.11	14 J	4	2	7	3	7	14	19	102	28	180	39
Toluene	1000	1000	1000	2300	15 UJ	2 U	1 U	1 U	2 U	5 U		10 U	2 U	4	2 U	2 U
trans-1,2-Dichloroethene	100	100	100	110	15 U	2	1 U	1 U			1 U	10 U	130			
trans-1,3-Dichloropropene	6.6	26		0.43	15 U			1 U		5 U	1 U	10 U				
Trichloroethene	5	5	5	2	190	16	7	46	26	140	280	180	430	110	290	100
Vinyl Acetate	420	1800		410				10 U								
Vinyl Chloride	2	2	2	0.016	15 U	1 U	2 U	2 U	1 U	5 U	1 U	10 U	1 U	1 U	1 U	1 U
VOC Library Search										0 U						
Xylenes (Total)	10000	10000	10000	200	45 U			5 U		5 U		30 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 2.4-3
Groundwater Data Summary - VOC 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 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 6/4/2003	MW-34D 6/8/2004	MW-34D 6/15/2005	MW-34D Dup 6/21/2006	MW-34D 6/21/2006	MW-34D 6/26/2007	MW-34D 5/6/2008
TOTAL VOC																
				42.82	539	521	460.8	20.7	100.3	217.4	80	138	142.3	133.7	158.56	222.4
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52												5 U
1,1,1-Trichloroethane	200	200	200	9100	15	19	17	14	0 U	1.7	4.4 J	5 U	5 U	5 U	5 U	1.9 J
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	10 U	5 U	5 U	1 U			1 U	1 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5	5	5	0.24	2 U	5 U	10 U	1 U	0 U	0 U	3 U	3 U	5 U	5 U	5 U	5 U
1,1,2-Trichlorofluoromethane	2000	2000		1300				1 U								
1,1,2-Trichlorotrifluoroethane	63000	170000		59000	1 U											
1,1-Dichloroethane	31	160		2.4	6	5 U	5	2.9	2.9	3.1	0.6 J	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	7	7	7	340	4	13	10 U	12	0 U	2.6	4.7	2 U	5 U	1.3 J	1.7 J	2.9 J
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0065												5 U
1,2-Dichloroethane	5	5	5	0.15	1 U	5 U	10 U	1 U	0 U	0 U	2 U	2 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene	70	70	70	330		120	130									
1,2-Dichloropropane	5	5	5	0.39	1 U	5 U	10 U	1 U			1 U	1 U	5 U	5 U	5 U	5 U
1,3,5-Trimethylbenzene	13	53		370												
1,3-Dichlorobenzene	600	600						2 U								
1,3-Dichloropropene	6.6	26		0.43												
1,3-Dioxolane																
1,4-Dioxane	6.4	32		0.67							1000 U	1000 U	1000 U	1000 U	1000 U	1000 U
2-Butanone	4000	4000		7100		20 U	20 U				5 U	5 U	5 U	5 U	5 U	50 U
2-Chloroethyl Vinyl Ether					10 U			1 U			5 U	5 U	10 U	10 U	10 U	
2-Hexanone	11	44		47		20 U	20 U									50 U
4-Methyl-2-Pentanone	2900	8200		2000		10 U	10 U									50 U
Acetone	33000	92000		22000		20 U	20 U		0 U							50 U
Acrolein	0.042	0.18		0.042							100 U	100 U	100 U	100 U	100 U	
Acrylonitrile	0.72	3.7		0.045							50 U	50 U	100 U	100 U	100 U	100 U
Benzene	5	5	5	0.41	5 U	5 U	5 U		0 U	0 U	1 U	1 U	5 U	5 U	5 U	5 U
Bromochloromethane	90	90														5 U
Bromodichloromethane	80	80		0.12		5 U	5 U	1 U	0 U	0 U	1 U	1 U	5 U	5 U	5 U	5 U
Bromoform	80	80		8.5	2 U	5 U	10 U	1 U			4 U	4 U	5 U	5 U	5 U	5 U
Bromomethane	10	10		8.7	5 U	5 U	10 U	2 U			5 U	5 U	5 U	5 U	5 U	5 U
Carbon Disulfide	1500	6200		1000		10 U	10 U		0 U							5 U
Carbon Tetrachloride	5	5	5	0.44	1 U	5 U	5 U	1 U	0 U	0 U	2 U	2 U	5 U	5 U	5 U	5 U
Chlorobenzene	100	100	100	91	1 U	5 U	5 U	2 U	0 U	0 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorodibromomethane	80	80		0.15	5 U	5 U	5 U	1 U			5 U	5 U	5 U	5 U	5 U	5 U
Chloroethane	230	900		21000	1 U	5 U	5 U	2 U	0 U	0 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	80	80		0.19	7	5 U	5 U	1.9	0 U	0 U	0.7 J	5 U	5 U	5 U	5 U	0.46 J
Chloromethane	30	30		190	5 U	5 U	10 U				5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	73	100				6.7		43	23	41	42	39	31
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	5 U	10 U	1 U			5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	700	700	700	1.5	1 U	5 U	10 U		0 U	0 U	4 U	4 U	5 U	5 U	5 U	5 U
Isopropylbenzene	840	3500		680												
Methyl tert-butyl ether	20	20		12												5 U
Methylene chloride	5	5		4.8	2 U	5 U	10 U	1 U	0 U	0 U	3 U	3 U	5 U	5 U	5 U	1.3 J

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 2.4-3
Groundwater Data Summary - VOC 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 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 6/4/2003	MW-34D 6/8/2004	MW-34D 6/15/2005	MW-34D Dup 6/21/2006	MW-34D 6/21/2006	MW-34D 6/26/2007	MW-34D 5/6/2008
Naphthalene	100	100		0.14												
Styrene	100	100	100	1600		5 U	5 U									5 U
Tetrachloroethene	5	5	5	0.11	66	97	83	120	2.7	18.6	14	3	13	14	10	11
Toluene	1000	1000	1000	2300	2 U	5 U	5 U		0 U	0 U	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,2-Dichloroethene	100	100	100	110				1 U	0 U	1	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	6.6	26		0.43		5 U	10 U	1 U			5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5	5	5	2	90	290	280	310	8.4	68.5	150	54	84	85	83	110
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	1 U	5 U	6	1 U	0 U	4.8	5 U	5 U	5 U	5 U	5 U	5 U
VOC Library Search						0 U										
Xylenes (Total)	10000	10000	10000	200		10 U	10 U		0 U							15 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 2.4-3
Groundwater Data Summary - VOC 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 9/17/2008	MW-34D 6/25/2009	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 11/2/1995	MW-34S 7/17/1996	MW-34S 10/21/1997	MW-34S 12/11/1998	MW-34S 9/14/1999
TOTAL VOC																
				42.82	245.8	151.4	88	485	1300	480	345	464	527	485.7	141	241.5
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52	5 U	5 U	5 U									
1,1,1-Trichloroethane	200	200	200	9100	1.3 J	2.6 J	1.6 J	24	37	40	80	25	22	19	16	5
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	5 U	5 U	5 U	1 U	50 U	10 U	10 U		5.0 U			1 U
1,1,2-Trichloroethane	5	5	5	0.24	5 U	5 U	5 U	1 U	5 U	10 U	10 U		5.0 U	0 U	0 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1,2-Trichlorotrifluoroethane	63000	170000		59000				1 U	1 U							
1,1-Dichloroethane	31	160		2.4	1.2 J	5 U	5 U	1 U	3	10 U	10 U	2	5.0 U	0 U	0 U	1 U
1,1-Dichloroethene	7	7	7	340	3.4 J	4.2 J	2.9 J	2	4	10 U	10 U	5	6	8	7.7	1
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	5 U	5 U	5 U									
1,2-Dichloroethane	5	5	5	0.15	5 U	5 U	5 U	1 U	1 U	10 U	10 U		5.0 U	0 U	0 U	1 U
1,2-Dichloroethene	70	70	70	330												10
1,2-Dichloropropane	5	5	5	0.39	5 U	5 U	5 U	1 U	1 U	10 U	10 U		5.0 U			1 U
1,3,5-Trimethylbenzene	13	53		370												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.43				1 U								
1,3-Dioxolane																
1,4-Dioxane	6.4	32		0.67	1000 U	1000 U	1000 U									
2-Butanone	4000	4000		7100	50 U	50 U	50 U				100 U		100 U			20 U
2-Chloroethyl Vinyl Ether								10 U	10 U	100 U	100 U		50 U			
2-Hexanone	11	44		47	50 U	50 U	50 U				100 U		50 U			20 U
4-Methyl-2-Pentanone	2900	8200		2000	50 U	50 U	50 U				100 U		50 U			10 U
Acetone	33000	92000		22000	50 U	50 U	50 U				100 U		100 U	0 U	0 U	20 U
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045	100 U	100 U	100 U									
Benzene	5	5	5	0.41	5 U	5 U	5 U	2 U	10 U	10 U	10 U		5.0 U	0 U	0 U	1 U
Bromochloromethane	90	90			5 U	5 U	5 U									
Bromodichloromethane	80	80		0.12	5 U	5 U	5 U	6			10 U		5.0 U	0 U	0 U	1 U
Bromoform	80	80		8.5	5 U	5 U	5 U	2 U	2 U	10 U	10 U		5.0 U			1 U
Bromomethane	10	10		8.7	5 U	5 U	5 U	5 U	5 U		20 U		10 U			1 U
Carbon Disulfide	1500	6200		1000	5 U	5 U	1.9 J				10 U		5.0 U	0 U	0 U	10 U
Carbon Tetrachloride	5	5	5	0.44	5 U	5 U	5 U	1 U	1 U	10 U	10 U		5.0 U	0 U	0 U	1 U
Chlorobenzene	100	100	100	91	5 U	5 U	5 U	1 U	1 U	10 U	10 U		5.0 U	0 U	0 U	1 U
Chlorodibromomethane	80	80		0.15	5 U	5 U	5 U	2 U	10 U	10 U			5.0 U			1 U
Chloroethane	230	900		21000	5 U	5 U	5 U	1 U	1 U	20 U	20 U		10 U	0 U	0 U	1 U
Chloroform	80	80		0.19	5 U	5 U	5 U	32	6	10 U	10 U	6 B	5.0 U	0 U	0 U	1 U
Chloromethane	30	30		190	5 U	5 U	5 U	5 U	5 U		20 U		10 U			1 U
cis-1,2-Dichloroethene	70	70	70	73	54	48	37		55	140	60		46		52	
cis-1,3-Dichloropropene	6.6	26		0.43	5 U	5 U	5 U		1 U	10 U	10 U		5.0 U			1 U
Ethylbenzene	700	700	700	1.5	5 U	5 U	5 U	1 U	1 U	10 U	10 U		5.0 U	0 U	0 U	1 U
Isopropylbenzene	840	3500		680												
Methyl tert-butyl ether	20	20		12	5 U	5 U	5 U									
Methylene chloride	5	5		4.8	2.5 J B	5 U	5 U	2 U	2 U	20 U	20 U		10 U	0 U	0 U	1 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 2.4-3
Groundwater Data Summary - VOC 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 9/17/2008	MW-34D 6/25/2009	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 11/2/1995	MW-34S 7/17/1996	MW-34S 10/21/1997	MW-34S 12/11/1998	MW-34S 9/14/1999
Naphthalene	100	100		0.14												
Styrene	100	100	100	1600	5 U	5 U	5 U				10 U		5.0 U			1 U
Tetrachloroethene	5	5	5	0.11	20	21	8	5	210	630	160	120	150	220	120	40
Toluene	1000	1000	1000	2300	5 U	5 U	5 U	2 U	2 U	10 U	10 U		5.0 U	0 U	0 U	1 U
trans-1,2-Dichloroethene	100	100	100	110	5 U	5 U	5 U	6		10 U	10 U	37	5.0 U	0 U	0 U	
trans-1,3-Dichloropropene	6.6	26		0.43	5 U	5 U	5 U				10 U		5.0 U			1 U
Trichloroethene	5	5	5	2	140	170	100	13	170	490	180	150	240	280	290	85
Vinyl Acetate	420	1800		410							100 U		50 U			
Vinyl Chloride	2	2	2	0.016	5 U	5 U	5 U	1 U	1 U	20 U	20 U		10 U	0 U	0 U	1 U
VOC Library Search																0 U
Xylenes (Total)	10000	10000	10000	200	15 U	15 U	15 U				50 U		25 U	0 U	0 U	1 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 2.4-3
Groundwater Data Summary - VOC 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 3/24/2000	MW-34S 6/12/2002	MW-34S 6/4/2003	MW-34S 6/8/2004	MW-34S 6/15/2005	MW-34S 6/21/2006	MW-34S 6/26/2007	MW-34S 4/28/2008	MW-34S 9/10/2008	MW-34S Dup 9/10/2008	MW-34S 6/16/2009	MW-34S 6/18/2010
TOTAL VOC																
				42.82	188.2	15	54.1	35.6	37.8	28.6	34.75	27.55	27.97	24.2	42.29	583
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52								1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	200	200	200	9100	6.1	3.4	0 U	0.8 J	0.7 J	5 U	5 U	0.39 J	1 U	1 U	1 U	0.44 J
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U			1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	0 U	0 U	3 U	3 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300	1 U											
1,1,2-Trichlorotrifluoroethane	63000	170000		59000												
1,1-Dichloroethane	31	160		2.4	1	0 U	0 U	0.8 J	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	2.9	2.3	0 U	1.2 J	2 U	5 U	5 U	0.56 J	0.45 J	0.47 J	0.3 J	0.6 J
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0065								1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	5	5	5	0.15	1 U	0 U	0 U	2 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330												
1,2-Dichloropropane	5	5	5	0.39	1 U			1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	13	53		370												
1,3-Dichlorobenzene	600	600			2 U											
1,3-Dichloropropene	6.6	26		0.43												
1,3-Dioxolane																
1,4-Dioxane	6.4	32		0.67				1000 U	1000 U	1000 U	1000 U	200 U	200 U	200 U	200 U	200 U
2-Butanone	4000	4000		7100				5 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U
2-Chloroethyl Vinyl Ether					1 U			5 U	5 U	10 U	10 U					
2-Hexanone	11	44		47								10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	2900	8200		2000								10 U	10 U	10 U	10 U	10 U
Acetone	33000	92000		22000		0 U						10 U	10 U	10 U	10 U	10 U
Acrolein	0.042	0.18		0.042				100 U	100 U	100 U	100 U					
Acrylonitrile	0.72	3.7		0.045				50 U	50 U	100 U	100 U	20 U	20 U	20 U	20 U	20 U
Benzene	5	5	5	0.41		0 U	0 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	90	90										1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	80	80		0.12	1 U	0 U	0 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U	0.45 J
Bromoform	80	80		8.5	1 U			4 U	4 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	10	10		8.7	2 U			5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	1500	6200		1000		0 U						1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	5	5	0.44	1 U	0 U	0 U	2 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	91	2 U	0 U	0 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	1 U			5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	230	900		21000	2 U	0 U	0 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Chloroform	80	80		0.19	1.5	4.5	0 U	5 U	1.9 J	4 J	2.5 J	1.6	3.2	3.3	3.5	4.9
Chloromethane	30	30		190				5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	70	70	70	73		19		12	5.5	6.3	7.2	6.9	4.2	4.3	4	6.7
cis-1,3-Dichloropropene	6.6	26		0.43	1 U			5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5		0 U	0 U	4 U	4 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	840	3500		680												
Methyl tert-butyl ether	20	20		12								1 U	1 U	1 U	1 U	1 U
Methylene chloride	5	5		4.8	1 U	0 U	0 U	3 U	3 U	5 U	5 U	1 U	1 U	1 U	1 U	1 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 2.4-3
Groundwater Data Summary - VOC 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 3/24/2000	MW-34S 6/12/2002	MW-34S 6/4/2003	MW-34S 6/8/2004	MW-34S 6/15/2005	MW-34S 6/21/2006	MW-34S 6/26/2007	MW-34S 4/28/2008	MW-34S 9/10/2008	MW-34S Dup 9/10/2008	MW-34S 6/16/2009	MW-34S 6/18/2010
Naphthalene	100	100		0.14												
Styrene	100	100	100	1600								1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	5	5	0.11	110	77	5.5	3.3	3.5	4.5 J	2.9 J	4.3	3.7	3.9	3.4	3.2
Toluene	1000	1000	1000	2300		0 U	0 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	100	100	100	110	1 U	0 U	0 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.43	1 U			5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	5	5	2	120	82	9.5	36	24	23	16	21	16	16	13	26
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	1 U	0 U	0 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	200		0 U						3 U	3 U	3 U	3 U	3 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 2.4-3
Groundwater Data Summary - VOC 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 7/19/1989	MW-35D 2/28/1991	MW-35D 11/2/1995	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	MW-35D 6/5/2003	MW-35D 7/1/2004
TOTAL VOC																
				42.82	411	322	276	393	438.3	297	179.4	310.9	148.6	234.6	474.4	199.2
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52												
1,1,1-Trichloroethane	200	200	200	9100	60	48	49	16	15	11	7	5.5	4.5	2.3	3.6	11 J
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	20 U		5.0 U			5 U	1 U				5 U
1,1,2-Trichloroethane	5	5	5	0.24	10 U	1 U		5.0 U	0 U	0 U	5 U	1 U	0 U	0 U	0 U	15 U
1,1,2-Trichlorofluoromethane	2000	2000		1300								1 U				
1,1,2-Trichlorotrifluoroethane	63000	170000		59000	1 U	1 U										
1,1-Dichloroethane	31	160		2.4	4	7	5	5.0 U	0 U	0 U	5 U	1.9	2.3	1.2	2.1	25 U
1,1-Dichloroethene	7	7	7	340	15	10	11	6	8	8.3	6	4.8	5.8	2.8	5.7	9.4 J
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0065												
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U		5.0 U	0 U	0 U	5 U	1 U	0 U	0 U	0 U	10 U
1,2-Dichloroethene	70	70	70	330							63					
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U		5.0 U			5 U	1 U				5 U
1,3,5-Trimethylbenzene	13	53		370												
1,3-Dichlorobenzene	600	600										2 U				
1,3-Dichloropropene	6.6	26		0.43	1 U											
1,3-Dioxolane																
1,4-Dioxane	6.4	32		0.67												5000 U
2-Butanone	4000	4000		7100				100 U			100 U					25 U
2-Chloroethyl Vinyl Ether					10 U	10 U		50 U				1 U				25 U
2-Hexanone	11	44		47				50 U			100 U					
4-Methyl-2-Pentanone	2900	8200		2000				50 U			50 U					
Acetone	33000	92000		22000				100 U	0 U	0 U	100 U		0 U	0 U		
Acrolein	0.042	0.18		0.042												500 U
Acrylonitrile	0.72	3.7		0.045												250 U
Benzene	5	5	5	0.41	10 U	2 U		5.0 U	0 U	0 U	5 U		0 U	0 U	0 U	5 U
Bromochloromethane	90	90														
Bromodichloromethane	80	80		0.12	2 U			5.0 U	0 U	0 U	5 U	1 U	0 U	0 U	0 U	5 U
Bromoform	80	80		8.5	2 U	2 U		5.0 U			5 U	1 U				20 U
Bromomethane	10	10		8.7	5 U	5 U		10 U			5 U	2 U				25 U
Carbon Disulfide	1500	6200		1000				5.0 U	0 U	0 U	50 U		0 U	0 U		
Carbon Tetrachloride	5	5	5	0.44	5 U	1 U		5.0 U	0 U	0 U	5 U	1 U	0 U	0 U	0 U	10 U
Chlorobenzene	100	100	100	91	1 U	1 U		5.0 U	0 U	0 U	5 U	2 U	0 U	0 U	0 U	25 U
Chlorodibromomethane	80	80		0.15	20 U	2 U		5.0 U			5 U	1 U				25 U
Chloroethane	230	900		21000	1 U	1 U		10 U	0 U	0 U	5 U	2 U	0 U	0 U	0 U	25 U
Chloroform	80	80		0.19	9	7	9 B	5.0 U	0 U	0 U	5 U	1.2	1.3	1	1.3	25 U
Chloromethane	30	30		190	5 U	5 U		10 U			5 U					25 U
cis-1,2-Dichloroethene	70	70	70	73		59		51		73			51	30		120
cis-1,3-Dichloropropene	6.6	26		0.43		1 U		5.0 U			5 U	1 U				25 U
Ethylbenzene	700	700	700	1.5	1 U	1 U		5.0 U	0 U	0 U	5 U		0 U	0 U	0 U	20 U
Isopropylbenzene	840	3500		680												
Methyl tert-butyl ether	20	20		12												
Methylene chloride	5	5		4.8	2 U	2 U		10 U	0 U	0 U	5 U	1 U	0 U	2.3	0 U	15 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 2.4-3
Groundwater Data Summary - VOC 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 7/19/1989	MW-35D 2/28/1991	MW-35D 11/2/1995	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	MW-35D 6/5/2003	MW-35D 7/1/2004
Naphthalene	100	100		0.14												
Styrene	100	100	100	1600				5.0 U			5 U					
Tetrachloroethene	5	5	5	0.11	30	80	69	53	90	56	51	36	56	21	33.9	14
Toluene	1000	1000	1000	2300	2 U	2 U		5.0 U	0 U	0 U	5 U		0 U	0 U	0 U	25 U
trans-1,2-Dichloroethene	100	100	100	110	85		39	5.0 U	0 U	0 U		1 U	0 U	0 U	0 U	25 U
trans-1,3-Dichloropropene	6.6	26		0.43				5.0 U			5 U	1 U				25 U
Trichloroethene	5	5	5	2	380	200	140	150	280	290	170	130	190	88	188	320
Vinyl Acetate	420	1800		410				50 U								
Vinyl Chloride	2	2	2	0.016	1 U	1 U		10 U	0 U	0 U	5 U	1 U	0 U	0 U	0 U	25 U
VOC Library Search											0 U					
Xylenes (Total)	10000	10000	10000	200				25 U	0 U	0 U	5 U		0 U	0 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 2.4-3
Groundwater Data Summary - VOC 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 6/23/2005	MW-35D 6/22/2006	MW-35D 6/27/2007	MW-35D 5/6/2008	MW-35D 9/17/2008	MW-35D 6/25/2009	MW-35S 7/19/1989
TOTAL VOC											
				42.82	216.5	209.5	150.42	133.7	215.9	453	
Volatile Organic Compound											
1,1,1,2-Tetrachloroethane	70	70		0.52				5 U	5 U	5 U	
1,1,1-Trichloroethane	200	200	200	9100	3.9 J	5 U	5 U	5 U	5 U	5 U	90
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	5 U	5 U	5 U	5 U	5 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	3 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichlorofluoromethane	2000	2000		1300							
1,1,2-Trichlorotrifluoroethane	63000	170000		59000							1 U
1,1-Dichloroethane	31	160		2.4	1.8 J	1.7 J	5 U	5 U	5 U	1.9 J	3
1,1-Dichloroethene	7	7	7	340	3.5	3.1 J	3.2 J	2.7 J	2.5 J	3.1 J	14
1,2,4-Trimethylbenzene	15	62		15							
1,2-Dibromoethane	0.05	0.05	0.05	0.0065				5 U	5 U	5 U	
1,2-Dichloroethane	5	5	5	0.15	2 U	5 U	5 U	5 U	5 U	5 U	1 U
1,2-Dichloroethene	70	70	70	330							
1,2-Dichloropropane	5	5	5	0.39	1 U	5 U	5 U	5 U	5 U	5 U	1 U
1,3,5-Trimethylbenzene	13	53		370							
1,3-Dichlorobenzene	600	600									
1,3-Dichloropropene	6.6	26		0.43							1 U
1,3-Dioxolane											
1,4-Dioxane	6.4	32		0.67	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	
2-Butanone	4000	4000		7100	5 U	5 U	5 U	50 U	50 U	50 U	
2-Chloroethyl Vinyl Ether					5 U	10 U	10 U				10 U
2-Hexanone	11	44		47				50 U	50 U	50 U	
4-Methyl-2-Pentanone	2900	8200		2000				50 U	50 U	50 U	
Acetone	33000	92000		22000				50 U	50 U	50 U	
Acrolein	0.042	0.18		0.042	100 U	100 U	100 U				
Acrylonitrile	0.72	3.7		0.045	50 U	100 U	100 U	100 U	100 U	100 U	
Benzene	5	5	5	0.41	1 U	5 U	5 U	5 U	5 U	5 U	2 U
Bromochloromethane	90	90						5 U	5 U	5 U	
Bromodichloromethane	80	80		0.12	1 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	80	80		8.5	4 U	5 U	5 U	5 U	5 U	5 U	2 U
Bromomethane	10	10		8.7	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Disulfide	1500	6200		1000				5 U	5 U	5 U	
Carbon Tetrachloride	5	5	5	0.44	2 U	5 U	5 U	5 U	5 U	5 U	10 U
Chlorobenzene	100	100	100	91	5 U	5 U	5 U	5 U	5 U	5 U	1 U
Chlorodibromomethane	80	80		0.15	5 U	5 U	5 U	5 U	5 U	5 U	10 U
Chloroethane	230	900		21000	5 U	5 U	5 U	5 U	5 U	5 U	1 U
Chloroform	80	80		0.19	5 U	2.4 J	2.3 J	0.92 J	1.2 J	2.3 J	12
Chloromethane	30	30		190	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	73	58	60	58	39	37	50	
cis-1,3-Dichloropropene	6.6	26		0.43	5 U	5 U	5 U	5 U	5 U	5 U	
Ethylbenzene	700	700	700	1.5	4 U	5 U	5 U	5 U	5 U	5 U	1 U
Isopropylbenzene	840	3500		680							
Methyl tert-butyl ether	20	20		12				5 U	5 U	5 U	
Methylene chloride	5	5		4.8	3 U	5 U	5 U	5 U	2.3 J B	5 U	2 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 2.4-3
Groundwater Data Summary - VOC 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 6/23/2005	MW-35D 6/22/2006	MW-35D 6/27/2007	MW-35D 5/6/2008	MW-35D 9/17/2008	MW-35D 6/25/2009	MW-35S 7/19/1989
Naphthalene	100	100		0.14							
Styrene	100	100	100	1600				5 U	5 U	5 U	
Tetrachloroethene	5	5	5	0.11	12	9.3	16	7.8	6.7	7.7	20
Toluene	1000	1000	1000	2300	5 U	5 U	5 U	5 U	5 U	5 U	2 U
trans-1,2-Dichloroethene	100	100	100	110	5 U	5 U	5 U	5 U	5 U	0.9 J	64
trans-1,3-Dichloropropene	6.6	26		0.43	5 U	5 U	5 U	5 U	5 U	5 U	
Trichloroethene	5	5	5	2	120	140	130	100	84	150	250
Vinyl Acetate	420	1800		410							
Vinyl Chloride	2	2	2	0.016	5 U	5 U	5 U	5 U	5 U	5 U	1 U
VOC Library Search											
Xylenes (Total)	10000	10000	10000	200				15 U	15 U	15 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 2.4-3
Groundwater Data Summary - VOC 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-35S 5/13/2008	MW-35S 6/21/2010	MW-36D 1/12/1990	MW-36D 9/27/1999	MW-36D 4/4/2000	MW-36D 5/19/2008	MW-36S 1/12/1990	MW-36S 2/28/1991	MW-36S 5/26/1995	MW-36S 9/27/1999	MW-36S 3/23/2000	MW-36S 5/7/2008
TOTAL VOC																
				11.03	43.71	917	590	460	236.7	1370	1174	703	5	89.6	7.69	2866
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52	1 U	1 U				10 U						1 U
1,1,1-Trichloroethane	200	200	200	9100	1 U	1 U	35	5 U	10 U	10 U	34	14		1 U	1	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	1 U	5 U	10 U	10 U	1 U	2 U		1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	1 U	10 U	5 U	10 U	10 U	20 U	10 U	1	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300					10 U						1 U	
1,1,2-Trichlorotrifluoroethane	63000	170000		59000			1 U				1 U	5 U				
1,1-Dichloroethane	31	160		2.4	1 U	0.32 J	10	5 U	10 U	10 U	7	6		2	2.3	0.43 J
1,1-Dichloroethene	7	7	7	340	1 U	1 U	13	5 U	10 U	2.1 J	12	7		1 U	1.1	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	1 U	1 U				10 U						1 U
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	1 U	5 U	10 U	10 U	1 U	1 U	5	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330				260						2		
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	5 U	10 U	10 U	1 U	1 U		1 U	1 U	1 U
1,3-Dichlorobenzene	600	600							20 U						2 U	
1,3-Dichloropropene	6.6	26		0.43			1 U				1 U					
1,4-Dioxane	6.4	32		0.67	200 U	200 U				2000 U						200 U
2-Butanone	4000	4000		7100	10 U	10 U		100 U		100 U				20 U		10 U
2-Chloroethyl Vinyl Ether							10 U		10 U		10 U	10 U			1 U	
2-Hexanone	11	44		47	10 U	10 U		100 U		100 U				20 U		10 U
4-Methyl-2-Pentanone	2900	8200		2000	10 U	10 U		50 U		100 U				10 U		10 U
Acetone	33000	92000		22000	10 U	10 U		100 U		100 U			50	20 U		10 U
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045	20 U	25 U				200 U						20 U
Benzene	5	5	5	0.41	1 U	1 U	2 U	5 U		10 U	2 U	50 U	5	1 U		1 U
Bromochloromethane	90	90			1 U	1 U				10 U						1 U
Bromodichloromethane	80	80		0.12	1 U	1 U	2 U	5 U	10 U	10 U	2 U		5	1 U	1 U	1 U
Bromoform	80	80		8.5	1 U	1 U	2 U	5 U	10 U	10 U	2 U	2 U		1 U	1 U	1 U
Bromomethane	10	10		8.7	1 U	1 U	5 U	5 U	20 U	10 U	5 U	5 U		1 U	2 U	1 U
Carbon Disulfide	1500	6200		1000	1 U	1 U		50 U		10 U			5	10 U		1 U
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	1 U	5 U	10 U	10 U	1 U	1 U	5	1 U	1 U	1 U
Chlorobenzene	100	100	100	91	1 U	1 U	1 U	5 U	20 U	10 U	1 U	1 U	5	1 U	2 U	1 U
Chlorodibromomethane	80	80		0.15	1 U	1 U	20 U	5 U	10 U	10 U	50 U	20 U		1 U	1 U	1 U
Chloroethane	230	900		21000	1 U	1 U	1 U	5 U	20 U	10 U	1 U	1 U	10	1 U	2 U	1 U
Chloroform	80	80		0.19	0.13 J	0.24 J	1 U	5 U	10 U	10 U	1 U	5 U		1 U	1 U	1 U
Chloromethane	30	30		190	1 U	1 U	5 U	5 U		10 U	5 U	5 U		1 U		1 U
cis-1,2-Dichloroethene	70	70	70	73	2.5	11				150		140	82			3.7
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U		5 U	10 U	10 U		1 U		1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	5 U		10 U	1 U	1 U	5	1 U		1 U
Methyl tert-butyl ether	20	20		12	1 U	1 U				10 U						1 U
Methylene chloride	5	5		4.8	1 U	1 U	2 U	5 U	10 U	5.7 J	2 U	2 U	10	1 U	1 U	1 U
Styrene	100	100	100	1600	1 U	1 U		5 U		10 U				1 U		1 U
Tetrachloroethene	5	5	5	0.11	1	0.95 J	16	5 U	10 U	2.4 J	7	4		1 U	1 U	1 U
Toluene	1000	1000	1000	2300	1 U	1 U	2	5 U		10 U	2 U	2 U	5	1 U		1 U
trans-1,2-Dichloroethene	100	100	100	110	1 U	1.2	91		10 U	10 U	110		5		1 U	1 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 2.4-3
Groundwater Data Summary - VOC 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-35S 5/13/2008	MW-35S 6/21/2010	MW-36D 1/12/1990	MW-36D 9/27/1999	MW-36D 4/4/2000	MW-36D 5/19/2008	MW-36S 1/12/1990	MW-36S 2/28/1991	MW-36S 5/26/1995	MW-36S 9/27/1999	MW-36S 3/23/2000	MW-36S 5/7/2008
trans-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U		5 U	10 U	10 U				1 U	1 U	1 U
Trichloroethene	5	5	5	2	7.4	30	750	330	460	73	1200	1000	480	1	82	3
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	1 U	1 U	1 U	5 U	10 U	3.5 J	1 U	3		1 U	3.2	0.56 J
VOC Library Search								0 U						0 U		
Xylenes (Total)	10000	10000	10000	200	3 U	3 U		5 U		30 U			25	1 U		3 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 2.4-3
Groundwater Data Summary - VOC 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 1/26/1990	MW-37D 4/3/1990	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 10/20/1997	MW-37D 12/14/1998
TOTAL VOC															
				11.03	740	770	1080	1880	37800	28219	0	31370	4363	3457	3400
Volatile Organic Compound															
1,1,1,2-Tetrachloroethane	70	70		0.52											
1,1,1-Trichloroethane	200	200	200	9100	210	130	110	50	1000	3200	1700	1 U	2100	760	460
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	500 U	100 U	1 U	10 U	10 U	500 U	5000 U	1 U	200 U		
1,1,2-Trichloroethane	5	5	5	0.24	50 U	10 U	2 U	10 U	10 U	500 U	50 U	1 U	200 U	0 U	0 U
1,1,2-Trichlorofluoromethane	2000	2000		1300											
1,1,2-Trichlorotrifluoroethane	63000	170000		59000	1 U	1 U	1 U				20 U	1 U			
1,1-Dichloroethane	31	160		2.4	15	10	9	10 U	20	500 U	39	1 U	200 U	28	18
1,1-Dichloroethene	7	7	7	340	21	14	4	10 U	10	500 U	200	1 U	230	75	42
1,2-Dibromoethane	0.05	0.05	0.05	0.0065											
1,2-Dichloroethane	5	5	5	0.15	1	1	1 U	10 U	10 U	500 U	20 U	1 U	200 U	0 U	0 U
1,2-Dichloroethene	70	70	70	330							280	1 U			
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	10 U	10 U	500 U	20 U	1 U	200 U		
1,3-Dichlorobenzene	600	600													
1,3-Dichloropropene	6.6	26		0.43	1 U	1 U					20 U	1 U			
1,4-Dioxane	6.4	32		0.67											
2-Butanone	4000	4000		7100					100 U	5000 U			4000 U		
2-Chloroethyl Vinyl Ether					10 U	10 U	10 U	100 U	100 U	5000 U	200 U	10 U	2000 U		
2-Hexanone	11	44		47					100 U	5000 U			2000 U		
4-Methyl-2-Pentanone	2900	8200		2000					100 U	5000 U			2000 U		
Acetone	33000	92000		22000					100 U	5000 U			4000 U	0 U	0 U
Acrolein	0.042	0.18		0.042											
Acrylonitrile	0.72	3.7		0.045											
Benzene	5	5	5	0.41	2 U	2 U	5 U	10 U	10 U	500 U	100 U	2 U	200 U	0 U	0 U
Bromochloromethane	90	90													
Bromodichloromethane	80	80		0.12	10 U	5 U			10 U	500 U	100 U	2 U	200 U	0 U	0 U
Bromoform	80	80		8.5	2 U	2 U	2 U	10 U	10 U	500 U	40 U	2 U	200 U		
Bromomethane	10	10		8.7	5 U	5 U	5 U		20 U	1000 U	100 U	5 U	400 U		
Carbon Disulfide	1500	6200		1000					10 U	500 U			200 U	0 U	0 U
Carbon Tetrachloride	5	5	5	0.44	20 U	10 U	10 U	10 U	10 U	500 U	200 U	1 U	200 U	0 U	0 U
Chlorobenzene	100	100	100	91	17	1 U	1 U	10 U	10 U	500 U	20 U	1 U	200 U	0 U	0 U
Chlorodibromomethane	80	80		0.15	100 U	20 U	5 U	10 U			100 U	2 U	200 U		
Chloroethane	230	900		21000	1 U	1 U	1 U	20 U	20 U	1000 U	20 U	1 U	400 U	0 U	0 U
Chloroform	80	80		0.19	7	5	1 U	10 U	10 U	500 U	20 U	1 U	200 U	0 U	0 U
Chloromethane	30	30		190	5 U	5 U	5 U		20 U	1000 U	100 U	5 U	400 U		
cis-1,2-Dichloroethene	70	70	70	73			77	80	140	500 U			540		260
cis-1,3-Dichloropropene	6.6	26		0.43			1 U	10 U	10 U	500 U			200 U		
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	10 U	10 U	500 U	20 U	1 U	200 U	0 U	0 U
Methyl tert-butyl ether	20	20		12											
Methylene chloride	5	5		4.8	2 U	2 U	2 U	20 U	20 U	1000 U	40 U	2 U	400 U	0 U	0 U
Styrene	100	100	100	1600					10 U	500 U			200 U		
Tetrachloroethene	5	5	5	0.11	1900	350	470	720	430	27000	20000	1 U	21000	1800	1900
Toluene	1000	1000	1000	2300	2 U	2 U	2 U	10 U	10 U	500 U	40 U	2 U	200 U	0 U	0 U
trans-1,2-Dichloroethene	100	100	100	110	150	70		10 U	10 U	500 U			200 U	0 U	0 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 2.4-3
Groundwater Data Summary - VOC 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 1/26/1990	MW-37D 4/3/1990	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 10/20/1997	MW-37D 12/14/1998
trans-1,3-Dichloropropene	6.6	26		0.43					10 U	500 U			200 U		
Trichloroethene	5	5	5	2	540	160	100	230	280	7600	6000	1 U	7500	1700	760
Vinyl Acetate	420	1800		410					100 U	5000 U			2000 U		
Vinyl Chloride	2	2	2	0.016	5	1 U	1 U	20 U	20 U	1000 U	20 U	1 U	400 U	0 U	17
VOC Library Search															
Xylenes (Total)	10000	10000	10000	200					50 U	2500 U			1000 U	0 U	0 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 2.4-3
Groundwater Data Summary - VOC 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 9/22/1999	MW-37D 4/3/2000	MW-37D 4/7/2000	MW-37D 6/26/2001	MW-37D 6/19/2002	MW-37D 6/6/2003	MW-37D 4/15/2004	MW-37D 6/8/2004	MW-37D 6/15/2005	MW-37D 6/24/2006	MW-37D 6/29/2007
TOTAL VOC															
				11.03	17155	10615	17440.3	3621.5	2028.7	1934.8	2665	3380	100.3	696.4	4162
Volatile Organic Compound															
1,1,1,2-Tetrachloroethane	70	70		0.52											
1,1,1-Trichloroethane	200	200	200	9100	500 U		870	1220	332	262	160	220	400	6	98
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	500 U	10 U					10 U	10 U	20 U	5 U	10 U
1,1,2-Trichloroethane	5	5	5	0.24	500 U		10 U	0 U	0 U	0 U	30 U	30 U	60 U	5 U	10 U
1,1,2-Trichlorofluoromethane	2000	2000		1300			10 U								
1,1,2-Trichlorotrifluoroethane	63000	170000		59000											
1,1-Dichloroethane	31	160		2.4	500 U	10 U	22	35	15	11	7.8 J	9.2 J	14 J	5 U	10 U
1,1-Dichloroethene	7	7	7	340	500 U	55	96	136	43	20.7	27	30	36 J	5 U	6.6 J
1,2-Dibromoethane	0.05	0.05	0.05	0.0065											
1,2-Dichloroethane	5	5	5	0.15	500 U		10 U	0 U	0 U	0 U	20 U	20 U	40 U	5 U	10 U
1,2-Dichloroethene	70	70	70	330	500 U										
1,2-Dichloropropane	5	5	5	0.39	500 U		10 U				10 U	10 U	20 U	5 U	10 U
1,3-Dichlorobenzene	600	600				20 U									
1,3-Dichloropropene	6.6	26		0.43											
1,4-Dioxane	6.4	32		0.67								10000 U	20000 U	1000 U	2000 U
2-Butanone	4000	4000		7100	2000 U						50 U	50 U	100 U	5 U	10 U
2-Chloroethyl Vinyl Ether							10 U				50 U	50 U	100 U	10 U	20 U
2-Hexanone	11	44		47	2000 U										
4-Methyl-2-Pentanone	2900	8200		2000	1000 U										
Acetone	33000	92000		22000	2000 U			0 U	0 U						
Acrolein	0.042	0.18		0.042							1000 U	1000 U	2000 U	100 U	200 U
Acrylonitrile	0.72	3.7		0.045							500 U	500 U	1000 U	100 U	200 U
Benzene	5	5	5	0.41	500 U			0 U	0 U	0 U	10 U	10 U	20 U	5 U	10 U
Bromochloromethane	90	90													
Bromodichloromethane	80	80		0.12	500 U	10 U		0 U	0 U	0 U	10 U	10 U	20 U	5 U	10 U
Bromoform	80	80		8.5	500 U	10 U					40 U	40 U	80 U	5 U	10 U
Bromomethane	10	10		8.7	500 U		20 U				50 U	50 U	100 U	5 U	10 U
Carbon Disulfide	1500	6200		1000	1000 U			0 U	0 U						
Carbon Tetrachloride	5	5	5	0.44	500 U		10 U	0 U	0 U	0 U	20 U	20 U	40 U	5 U	10 U
Chlorobenzene	100	100	100	91	500 U		20 U	0 U	0 U	0 U	50 U	50 U	100 U	5 U	10 U
Chlorodibromomethane	80	80		0.15	500 U		10 U				50 U	50 U	100 U	5 U	10 U
Chloroethane	230	900		21000	500 U		20 U	2.9	1	0 U	50 U	50 U	100 U	5 U	10 U
Chloroform	80	80		0.19	500 U		10 U	0 U	0 U	0 U	50 U	50 U	100 U	5 U	1.8 J
Chloromethane	30	30		190	500 U						50 U	50 U	100 U	5 U	10 U
cis-1,2-Dichloroethene	70	70	70	73				689	259		160	170	270	6.3	80
cis-1,3-Dichloropropene	6.6	26		0.43	500 U	10 U					50 U	50 U	100 U	5 U	10 U
Ethylbenzene	700	700	700	1.5	500 U			0 U	0 U	0 U	40 U	40 U	80 U	5 U	10 U
Methyl tert-butyl ether	20	20		12											
Methylene chloride	5	5		4.8	500 U		10 U	0 U	0 U	0 U	30 U	30 U	60 U	5 U	10 U
Styrene	100	100	100	1600	500 U										
Tetrachloroethene	5	5	5	0.11	2200	12000	7000	10500	1960	1250	1000	1600	1700	63	290
Toluene	1000	1000	1000	2300	500 U			0 U	0 U	0 U	50 U	50 U	100 U	5 U	10 U
trans-1,2-Dichloroethene	100	100	100	110		10 U	0 U	4.4	1.5	0 U	50 U	50 U	100 U	5 U	10 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 2.4-3
Groundwater Data Summary - VOC 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 9/22/1999	MW-37D 4/3/2000	MW-37D 4/7/2000	MW-37D 6/26/2001	MW-37D 6/19/2002	MW-37D 6/6/2003	MW-37D 4/15/2004	MW-37D 6/8/2004	MW-37D 6/15/2005	MW-37D 6/24/2006	MW-37D 6/29/2007
trans-1,3-Dichloropropene	6.6	26		0.43	500 U	10 U					50 U	50 U	100 U	5 U	10 U
Trichloroethene	5	5	5	2	1200	5100	2600	4820	1010	485	580	630	960	25	220
Vinyl Acetate	420	1800		410											
Vinyl Chloride	2	2	2	0.016	500 U	10 U	27	33	0 U	0 U	50 U	5.8 J	100 U	5 U	10 U
VOC Library Search					0 U										
Xylenes (Total)	10000	10000	10000	200	1000 U			0 U	0 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 2.4-3
Groundwater Data Summary - VOC 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 5/14/2008	MW-37D 10/1/2008	MW-37D 7/13/2009	MW-37S 1/26/1990	MW-37S 4/3/1990	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	MW-37S 10/20/1997
TOTAL VOC															
				11.03	3820	9832	5351	3747	6168	4480	5320	417	160	918	1271.5
Volatile Organic Compound															
1,1,1,2-Tetrachloroethane	70	70		0.52	100 U	100 U	200 U								
1,1,1-Trichloroethane	200	200	200	9100	390	280	710	820	550	880	1200	1800	73	23	74
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	100 U	100 U	200 U	1000 U	1000 U	1000 U	10 U	20 U	20 U	1 U	
1,1,2-Trichloroethane	5	5	5	0.24	100 U	100 U	200 U	50 U	10 U	10 U	10 U	20 U	1 U	1 U	0 U
1,1,2-Trichlorofluoromethane	2000	2000		1300											
1,1,2-Trichlorotrifluoroethane	63000	170000		59000				5 U	10 U	10 U			1 U		
1,1-Dichloroethane	31	160		2.4	100 U	100 U	200 U	32	33	21	40	80	10	3	7
1,1-Dichloroethene	7	7	7	340	31 J	100 U	72 J	18	11	30	10 U	20	6	1 U	3
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	100 U	100 U	200 U								
1,2-Dichloroethane	5	5	5	0.15	100 U	100 U	200 U	1 U	2	5 U	10 U	20 U	1 U	1 U	0 U
1,2-Dichloroethene	70	70	70	330									40		
1,2-Dichloropropane	5	5	5	0.39	100 U	100 U	200 U	1 U	1 U	1 U	10 U	20 U	1 U	1 U	
1,3-Dichlorobenzene	600	600													
1,3-Dichloropropene	6.6	26		0.43				1 U	1 U				1 U		
1,4-Dioxane	6.4	32		0.67	20000 U	20000 U	40000 U								
2-Butanone	4000	4000		7100	1000 U	1000 U	2000 U				100 U	200 U		20 U	
2-Chloroethyl Vinyl Ether								10 U	10 U	10 U	100 U	200 U	10 U	10 U	
2-Hexanone	11	44		47	1000 U	1000 U	2000 U				100 U	200 U		10 U	
4-Methyl-2-Pentanone	2900	8200		2000	1000 U	1000 U	2000 U				100 U	200 U		10 U	
Acetone	33000	92000		22000	1000 U	1000 U	2000 U				100 U	200 U		20 U	0 U
Acrolein	0.042	0.18		0.042											
Acrylonitrile	0.72	3.7		0.045	2000 U	2000 U	4000 U								
Benzene	5	5	5	0.41	100 U	100 U	200 U	2 U	20 U	20 U	10 U	20 U	2 U	1 U	0 U
Bromochloromethane	90	90			100 U	100 U	200 U								
Bromodichloromethane	80	80		0.12	100 U	100 U	200 U	20 U	7		10 U	20 U	2 U	1 U	0 U
Bromoform	80	80		8.5	100 U	100 U	200 U	2 U	2 U	2 U	10 U	20 U	2 U	1 U	
Bromomethane	10	10		8.7	100 U	100 U	200 U	5 U	5 U	5 U	20 U	40 U	5 U	2 U	
Carbon Disulfide	1500	6200		1000	100 U	100 U	200 U				10 U	20 U		1 U	0 U
Carbon Tetrachloride	5	5	5	0.44	100 U	100 U	200 U	50 U	50 U	50 U	10 U	20 U	1 U	1 U	0 U
Chlorobenzene	100	100	100	91	100 U	100 U	200 U	3	1 U	16	80	20 U	1 U	1 U	0 U
Chlorodibromomethane	80	80		0.15	100 U	100 U	200 U	100 U	20 U	20 U			2 U	1 U	
Chloroethane	230	900		21000	100 U	100 U	200 U	1 U	4	3	20 U	40 U	1 U	2 U	0 U
Chloroform	80	80		0.19	100 U	100 U	200 U	5 U	10 U	20 U	10 U	20 U	4	1 U	0 U
Chloromethane	30	30		190	100 U	100 U	200 U	5 U	5 U	5 U	20 U	40 U	5 U	2 U	
cis-1,2-Dichloroethene	70	70	70	73	140	140	240			580	280	320		17	
cis-1,3-Dichloropropene	6.6	26		0.43	100 U	100 U	200 U			1 U	10 U	20 U		1 U	
Ethylbenzene	700	700	700	1.5	100 U	100 U	200 U	23	1 U	1 U	10 U	20 U	1 U	1 U	0 U
Methyl tert-butyl ether	20	20		12	100 U	100 U	200 U								
Methylene chloride	5	5		4.8	21 J B	100 U	110 J	2 U	2 U	2 U	20 U	40 U	2 U	2 U	0 U
Styrene	100	100	100	1600	100 U	100 U	200 U				10 U	20 U		1 U	
Tetrachloroethene	5	5	5	0.11	2600	2500	6400	3300	2400	4100	2600	2700	220	97	280
Toluene	1000	1000	1000	2300	100 U	100 U	200 U	2	2 U	2 U	10 U	20 U	2 U	1 U	0 U
trans-1,2-Dichloroethene	100	100	100	110	100 U	100 U	200 U	490	370		10 U	20 U		1 U	0 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 2.4-3
Groundwater Data Summary - VOC 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 5/14/2008	MW-37D 10/1/2008	MW-37D 7/13/2009	MW-37S 1/26/1990	MW-37S 4/3/1990	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	MW-37S 10/20/1997
trans-1,3-Dichloropropene	6.6	26		0.43	100 U	100 U	200 U				10 U	20 U		1 U	
Trichloroethene	5	5	5	2	980	900	2300	640	370	510	280	400	64	20	550
Vinyl Acetate	420	1800		410							100 U	200 U		10 U	
Vinyl Chloride	2	2	2	0.016	100 U	100 U	200 U	23	1 U	28	20 U	40 U	1 U	2 U	4
VOC Library Search															
Xylenes (Total)	10000	10000	10000	200	300 U	300 U	600 U				50 U	100 U		5 U	0 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 2.4-3
Groundwater Data Summary - VOC 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 6/3/2003	MW-37S 4/15/2004	MW-37S 6/7/2004	MW-37S 6/21/2005	MW-37S 6/23/2006	MW-37S 6/29/2007	MW-37S 5/14/2008
TOTAL VOC																
				11.03	1280	870	1426	1325.2	159.9	24.1	309.3	444.1	236.7	552	188.3	200.4
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52												10 U
1,1,1-Trichloroethane	200	200	200	9100	280	140 E	96	110	71	19.9	1.9 J	22	30	8.7 J	53	12
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067		1 U	10 U				1 U	2 U	2 U	10 U	10 U	10 U
1,1,2-Trichloroethane	5	5	5	0.24	0 U	1 U	10 U	0 U	0 U	0 U	3 U	6 U	6 U	10 U	10 U	10 U
1,1,2-Trichlorofluoromethane	2000	2000		1300			10 U									
1,1,2-Trichlorotrifluoroethane	63000	170000		59000												
1,1-Dichloroethane	31	160		2.4	13	6	10 U	5.2	4.8	1.7	5 U	3 J	2.1 J	10 U	10 U	10 U
1,1-Dichloroethene	7	7	7	340	8.5	4	10 U	2.5	1.2	0 U	2 U	1.2 J	4 U	10 U	10 U	10 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065												10 U
1,2-Dichloroethane	5	5	5	0.15	0 U	1 U	10 U	0 U	0 U	0 U	2 U	4 U	4 U	10 U	10 U	10 U
1,2-Dichloroethene	70	70	70	330		110										
1,2-Dichloropropane	5	5	5	0.39		1 U	10 U				1 U	2 U	2 U	10 U	10 U	10 U
1,3-Dichlorobenzene	600	600					20 U									
1,3-Dichloropropene	6.6	26		0.43												
1,4-Dioxane	6.4	32		0.67								2000 U	2000 U	2000 U	2000 U	2000 U
2-Butanone	4000	4000		7100		20 U					5 U	10 U	10 U	10 U	10 U	100 U
2-Chloroethyl Vinyl Ether							10 U				5 U	10 U	10 U	20 U	20 U	
2-Hexanone	11	44		47		20 U										100 U
4-Methyl-2-Pentanone	2900	8200		2000		10 U										100 U
Acetone	33000	92000		22000	0 U	20 U		0 U	0 U							100 U
Acrolein	0.042	0.18		0.042							100 U	200 U	200 U	200 U	200 U	
Acrylonitrile	0.72	3.7		0.045							50 U	100 U	100 U	200 U	200 U	200 U
Benzene	5	5	5	0.41	0 U	1 U		0 U	0 U	0 U	1 U	2 U	2 U	10 U	10 U	10 U
Bromochloromethane	90	90														10 U
Bromodichloromethane	80	80		0.12	0 U	1 U	10 U	0 U	0 U	0 U	1 U	2 U	2 U	10 U	10 U	10 U
Bromoform	80	80		8.5		1 U	10 U				4 U	8 U	8 U	10 U	10 U	10 U
Bromomethane	10	10		8.7		1 U	20 U				5 U	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	1500	6200		1000	0 U	10 U		0 U	0 U							10 U
Carbon Tetrachloride	5	5	5	0.44	0 U	1 U	10 U	0 U	0 U	0 U	2 U	4 U	4 U	10 U	10 U	10 U
Chlorobenzene	100	100	100	91	0 U	1 U	20 U	0 U	0 U	0 U	5 U	10 U	10 U	10 U	10 U	10 U
Chlorodibromomethane	80	80		0.15		1 U	10 U				5 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	230	900		21000	0 U	1 U	20 U	0 U	0 U	0 U	5 U	10 U	10 U	10 U	10 U	10 U
Chloroform	80	80		0.19	0 U	1 U	10 U	0 U	1.2	1	1.3 J	10 U	10 U	10 U	10 U	1.4 J
Chloromethane	30	30		190		1 U					5 U	10 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	70	70	70	73	160			165	121		2.2 J	56	30	13	73	8.9 J
cis-1,3-Dichloropropene	6.6	26		0.43		1 U	10 U				5 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	700	700	700	1.5	0 U	1 U		0 U	0 U	0 U	4 U	8 U	8 U	10 U	10 U	10 U
Methyl tert-butyl ether	20	20		12												10 U
Methylene chloride	5	5		4.8	0 U	1 U	10 U	0 U	0 U	0 U	3 U	6 U	6 U	10 U	10 U	2 J B
Styrene	100	100	100	1600		1 U										10 U
Tetrachloroethene	5	5	5	0.11	620	890	680	1020	1010	117	15	180	350	200	370	150
Toluene	1000	1000	1000	2300	0 U	1 U		0 U	0 U	0 U	5 U	10 U	10 U	10 U	10 U	10 U
trans-1,2-Dichloroethene	100	100	100	110	0 U		10 U	1.3	14	0 U	5 U	10 U	10 U	10 U	10 U	10 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 2.4-3
Groundwater Data Summary - VOC 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 6/3/2003	MW-37S 4/15/2004	MW-37S 6/7/2004	MW-37S 6/21/2005	MW-37S 6/23/2006	MW-37S 6/29/2007	MW-37S 5/14/2008
trans-1,3-Dichloropropene	6.6	26		0.43		1 U	10 U				5 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	5	5	5	2	190	130	94	122	102	20.3	3.7	45	32	15	56	14
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	0 U	1 U	10 U	0 U	0 U	0 U	5 U	2.1 J	10 U	10 U	10 U	10 U
VOC Library Search						0 U										
Xylenes (Total)	10000	10000	10000	200	0 U	1 U		0 U	0 U							30 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 2.4-3
Groundwater Data Summary - VOC 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 Dup 5/14/2008	MW-37S 9/18/2008	MW-37S 7/1/2009	MW-37S 6/28/2010	MW-38D 1/26/1990	MW-38D 4/3/1990	MW-38D 1/31/1992	MW-38D 4/28/1994	MW-38D 7/11/1994	MW-38D 10/31/1995	MW-38D 7/15/1996	MW-38D 10/20/1997
TOTAL VOC																
				11.03	489.8	154.9	314	2104	1198	368	560	780	2305	312	295	379
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52	10 U	10 U	10 U	20 U								
1,1,1-Trichloroethane	200	200	200	9100	12	23	8.3 J	20 U	11	8	22	40	230	220	49	39
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	10 U	10 U	10 U	20 U	50 U	10 U	2 U	5 U	5 U		5.0 U	
1,1,2-Trichloroethane	5	5	5	0.24	10 U	10 U	10 U	20 U	100 U	20 U	1 U	5 U	5 U		5.0 U	0 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1,2-Trichlorotrifluoroethane	63000	170000		59000					5 U	10 U	5 U					
1,1-Dichloroethane	31	160		2.4	10 U	10 U	10 U	20 U	6	4	1	5 U	20	50	11	13
1,1-Dichloroethene	7	7	7	340	10 U	10 U	10 U	20 U	2	1	2	5 U	5 U		5.0 U	0 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	10 U	10 U	10 U	20 U								
1,2-Dichloroethane	5	5	5	0.15	10 U	10 U	10 U	20 U	1 U	1 U	1 U	5 U	5 U		5.0 U	0 U
1,2-Dichloroethene	70	70	70	330												
1,2-Dichloropropane	5	5	5	0.39	10 U	10 U	10 U	20 U	1 U	1 U	1 U	5 U	5 U		5.0 U	
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.43					1 U	1 U						
1,4-Dioxane	6.4	32		0.67	2000 U	2000 U	2000 U	4000 U								
2-Butanone	4000	4000		7100	100 U	100 U	100 U	200 U				50 U	50 U		100 U	
2-Chloroethyl Vinyl Ether									10 U	10 U	10 U	50 U	50 U		50 U	
2-Hexanone	11	44		47	100 U	100 U	100 U	200 U				50 U	50 U		50 U	
4-Methyl-2-Pentanone	2900	8200		2000	100 U	100 U	100 U	200 U				50 U	50 U		50 U	
Acetone	33000	92000		22000	100 U	100 U	100 U	200 U				50 U	50 U		100 U	0 U
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045	200 U	200 U	200 U	400 U								
Benzene	5	5	5	0.41	10 U	10 U	10 U	20 U	2 U	20 U	2 U	5 U	5 U		5.0 U	0 U
Bromochloromethane	90	90			10 U	10 U	10 U	20 U								
Bromodichloromethane	80	80		0.12	10 U	10 U	10 U	20 U	2 U	2 U		5 U	5 U		5.0 U	0 U
Bromoform	80	80		8.5	10 U	10 U	10 U	20 U	2 U	2 U	2 U	5 U	5 U		5.0 U	
Bromomethane	10	10		8.7	10 U	10 U	10 U	20 U	5 U	5 U	5 U	10 U	10 U		10 U	
Carbon Disulfide	1500	6200		1000	10 U	10 U	10 U	16 J				5 U	5 U		5.0 U	0 U
Carbon Tetrachloride	5	5	5	0.44	10 U	10 U	10 U	20 U	1 U	1 U	1 U	5 U	5 U		5.0 U	0 U
Chlorobenzene	100	100	100	91	10 U	10 U	10 U	20 U	1 U	1 U	1 U	5 U	5 U		5.0 U	0 U
Chlorodibromomethane	80	80		0.15	10 U	10 U	10 U	20 U	200 U	50 U	2 U				5.0 U	
Chloroethane	230	900		21000	10 U	10 U	10 U	20 U	1 U	1 U	1 U	10 U	10 U		10 U	0 U
Chloroform	80	80		0.19	1.1 J	3.5 J	10 U	20 U	5 U	10 U	10 U	5 U	5 U		5.0 U	0 U
Chloromethane	30	30		190	10 U	10 U	10 U	20 U	5 U	5 U	5 U	10 U	10 U		10 U	
cis-1,2-Dichloroethene	70	70	70	73	9.4 J	24	11	17 J			310	250	170		U	
cis-1,3-Dichloropropene	6.6	26		0.43	10 U	10 U	10 U	20 U			1 U	5 U	5 U		5.0 U	
Ethylbenzene	700	700	700	1.5	10 U	10 U	10 U	20 U	1 U	1 U	1 U	5 U	5 U		5.0 U	0 U
Methyl tert-butyl ether	20	20		12	10 U	10 U	10 U	20 U								
Methylene chloride	5	5		4.8	2.9 J B	5.3 J	3.6 J B	14 J	2 U	2 U	2 U	10 U	10 U		10 U	0 U
Styrene	100	100	100	1600	10 U	10 U	10 U	20 U				5 U	5 U		5.0 U	
Tetrachloroethene	5	5	5	0.11	160	400	120	250	190	66	4	5 U	5 U	95	22	13
Toluene	1000	1000	1000	2300	10 U	10 U	10 U	20 U	2 U	2 U	2 U	5 U	5 U		5.0 U	0 U
trans-1,2-Dichloroethene	100	100	100	110	10 U	10 U	10 U	20 U	670	570		5 U	5 U	740	5.0 U	0 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 2.4-3
Groundwater Data Summary - VOC 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 Dup 5/14/2008	MW-37S 9/18/2008	MW-37S 7/1/2009	MW-37S 6/28/2010	MW-38D 1/26/1990	MW-38D 4/3/1990	MW-38D 1/31/1992	MW-38D 4/28/1994	MW-38D 7/11/1994	MW-38D 10/31/1995	MW-38D 7/15/1996	MW-38D 10/20/1997
trans-1,3-Dichloropropene	6.6	26		0.43	10 U	10 U	10 U	20 U				5 U	5 U		5.0 U	
Trichloroethene	5	5	5	2	15	34	12	17 J	1200	530	29	240	360	1200	230	220
Vinyl Acetate	420	1800		410								50 U	50 U		50 U	
Vinyl Chloride	2	2	2	0.016	10 U	10 U	10 U	20 U	25	19	1 U	30	10 U		10 U	10
VOC Library Search																
Xylenes (Total)	10000	10000	10000	200	30 U	30 U	30 U	60 U				25 U	25 U		25 U	0 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 2.4-3
Groundwater Data Summary - VOC 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 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 6/3/2003	MW-38D 4/15/2004	MW-38D 6/9/2004	MW-38D 6/14/2005	MW-38D 6/22/2006	MW-38D 6/26/2007	MW-38D 4/28/2008	MW-38D 9/16/2008
TOTAL VOC																	
				11.03	187	42.9	166.9	30.9	60	49.3	90.9	53.6	76	34.1	68.8	55.43	75.84
Volatile Organic Compound																	
1,1,1,2-Tetrachloroethane	70	70		0.52												2 U	2 U
1,1,1-Trichloroethane	200	200	200	9100	16	10 U	3.2	4	0 U	1.6	0.8 J	1.8 J	1 J	5 U	5 U	0.56 J	2 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067		10 U	1 U				1 U	1 U	1 U	5 U	5 U	2 U	2 U
1,1,2-Trichloroethane	5	5	5	0.24	0 U	10 U	1 U	0 U	0 U	0 U	3 U	3 U	3 U	5 U	5 U	2 U	2 U
1,1,2-Trichlorofluoromethane	2000	2000		1300			1 U										
1,1,2-Trichlorotrifluoroethane	63000	170000		59000													
1,1-Dichloroethane	31	160		2.4	13	10 U	1.7	2.8	1.9	2	0.9 J	1.5 J	1.2 J	5 U	5 U	1.1 J	2 U
1,1-Dichloroethene	7	7	7	340	0 U	10 U	1 U	1.4	0 U	0 U	2 U	2 U	2 U	5 U	5 U	0.49 J	2 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065												2 U	2 U
1,2-Dichloroethane	5	5	5	0.15	0 U	10 U	1 U	0 U	0 U	0 U	2 U	2 U	2 U	5 U	5 U	2 U	2 U
1,2-Dichloroethene	70	70	70	330		91											
1,2-Dichloropropane	5	5	5	0.39		10 U	1 U				1 U	1 U	1 U	5 U	5 U	2 U	2 U
1,3-Dichlorobenzene	600	600					2 U										
1,3-Dichloropropene	6.6	26		0.43													
1,4-Dioxane	6.4	32		0.67								1000 U	1000 U	1000 U	1000 U	400 U	400 U
2-Butanone	4000	4000		7100		200 U					5 U	5 U	5 U	5 U	5 U	20 U	20 U
2-Chloroethyl Vinyl Ether							1 U				5 U	5 U	5 U	10 U	10 U		
2-Hexanone	11	44		47		200 U										20 U	20 U
4-Methyl-2-Pentanone	2900	8200		2000		100 U										20 U	20 U
Acetone	33000	92000		22000	0 U	200 U		0 U	0 U							20 U	20 U
Acrolein	0.042	0.18		0.042							100 U	100 U	100 U	100 U	100 U		
Acrylonitrile	0.72	3.7		0.045							50 U	50 U	50 U	100 U	100 U	40 U	40 U
Benzene	5	5	5	0.41	0 U	10 U		0 U	0 U	0 U	1 U	1 U	1 U	5 U	5 U	2 U	2 U
Bromochloromethane	90	90														2 U	2 U
Bromodichloromethane	80	80		0.12	0 U	10 U	1 U	0 U	0 U	0 U	1 U	1 U	1 U	5 U	5 U	2 U	2 U
Bromoform	80	80		8.5		10 U	1 U				4 U	4 U	4 U	5 U	5 U	2 U	2 U
Bromomethane	10	10		8.7		10 U	2 U				5 U	5 U	5 U	5 U	5 U	2 U	2 U
Carbon Disulfide	1500	6200		1000	0 U	100 U		0 U	0 U							2 U	2 U
Carbon Tetrachloride	5	5	5	0.44	0 U	10 U	1 U	0 U	0 U	0 U	2 U	2 U	2 U	5 U	5 U	2 U	2 U
Chlorobenzene	100	100	100	91	0 U	10 U	2 U	0 U	0 U	0 U	5 U	5 U	5 U	5 U	5 U	2 U	2 U
Chlorodibromomethane	80	80		0.15		10 U	1 U				5 U	5 U	5 U	5 U	5 U	2 U	2 U
Chloroethane	230	900		21000	0 U	10 U	2 U	0 U	0 U	0 U	5 U	5 U	5 U	5 U	5 U	2 U	2 U
Chloroform	80	80		0.19	0 U	10 U	1 U	0.9 J	0 U	0 U	5 U	5 U	5 U	5 U	5 U	0.19 J	2 U
Chloromethane	30	30		190		10 U					5 U	5 U	5 U	5 U	5 U	2 U	2 U
cis-1,2-Dichloroethene	70	70	70	73	240			36	14		15	22	19	21	10	15	0.74 J
cis-1,3-Dichloropropene	6.6	26		0.43		10 U	1 U				5 U	5 U	5 U	5 U	5 U	2 U	2 U
Ethylbenzene	700	700	700	1.5	0 U	10 U		0 U	0 U	0 U	4 U	4 U	4 U	5 U	5 U	2 U	2 U
Methyl tert-butyl ether	20	20		12												2 U	2 U
Methylene chloride	5	5		4.8	0 U	10 U	1 U	0 U	0 U	0 U	3 U	3 U	3 U	5 U	5 U	2 U	0.89 J B
Styrene	100	100	100	1600		10 U										2 U	2 U
Tetrachloroethene	5	5	5	0.11	0 U	17	2	2.9	0 U	4.1	3.6	7.6	4.4	3 J	1.1 J	2.1	2.8
Toluene	1000	1000	1000	2300	0 U	10 U		0 U	0 U	0 U	5 U	5 U	5 U	5 U	5 U	2 U	2 U
trans-1,2-Dichloroethene	100	100	100	110	0 U		1 U	0 U	0 U	0 U	5 U	5 U	5 U	5 U	5 U	2 U	2 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 2.4-3
Groundwater Data Summary - VOC 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 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 6/3/2003	MW-38D 4/15/2004	MW-38D 6/9/2004	MW-38D 6/14/2005	MW-38D 6/22/2006	MW-38D 6/26/2007	MW-38D 4/28/2008	MW-38D 9/16/2008
trans-1,3-Dichloropropene	6.6	26		0.43		10 U	1 U				5 U	5 U	5 U	5 U	5 U	2 U	2 U
Trichloroethene	5	5	5	2	0 U	79	36	118	15	50.1	29	58	28	52	23	49	51
Vinyl Acetate	420	1800		410													
Vinyl Chloride	2	2	2	0.016	110	10 U	1 U	0.9 J	0 U	2.2	5 U	5 U	5 U	5 U	5 U	0.36 J	2 U
VOC Library Search						0 U											
Xylenes (Total)	10000	10000	10000	200	0 U	10 U		0 U	0 U							6 U	6 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 2.4-3
Groundwater Data Summary - VOC 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 6/18/2009	MW-38S 2/7/1990	MW-38S 4/3/1990	MW-38S 1/31/1992	MW-38S 10/31/1995	MW-38S 7/15/1996	MW-38S 10/20/1997	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
TOTAL VOC																
				11.03	131	120	19	9	8	4	9.4	1	1.1	0	1.3	4525
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52	2 U											
1,1,1-Trichloroethane	200	200	200	9100	0.64 J	4	5	1 U		4	2	2	1 U	1 U	0 U	0 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	2 U	1 U	1 U	2 U		1 U			1 U	1 U		
1,1,2-Trichloroethane	5	5	5	0.24	2 U	1 U	1 U	1 U		1 U	0 U	0 U	1 U	1 U	0 U	0 U
1,1,2-Trichlorofluoromethane	2000	2000		1300										1 U		
1,1,2-Trichlorotrifluoroethane	63000	170000		59000		1 U	1 U	1 U								
1,1-Dichloroethane	31	160		2.4	1.3 J	2	3	1	3	1	1	0 U	1 U	1 U	0 U	0 U
1,1-Dichloroethene	7	7	7	340	2 U	1 U	1 U	1 U		1 U	0 U	0 U	1 U	1 U	0 U	0 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	2 U											
1,2-Dichloroethane	5	5	5	0.15	2 U	1 U	1 U	1 U		1 U	0 U	0 U	1 U	1 U	0 U	0 U
1,2-Dichloroethene	70	70	70	330									1 U			
1,2-Dichloropropane	5	5	5	0.39	2 U	1 U	1 U	1 U		1 U			1 U	1 U		
1,3-Dichlorobenzene	600	600												2 U		
1,3-Dichloropropene	6.6	26		0.43		1 U	1 U									
1,4-Dioxane	6.4	32		0.67	400 U											
2-Butanone	4000	4000		7100	20 U					20 U			20 U			
2-Chloroethyl Vinyl Ether						10 U	10 U	10 U		10 U				1 U		
2-Hexanone	11	44		47	20 U					10 U			20 U			
4-Methyl-2-Pentanone	2900	8200		2000	20 U					10 U			10 U			
Acetone	33000	92000		22000	20 U					20 U	0 U	0 U	20 U		0 U	0 U
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045	40 U											
Benzene	5	5	5	0.41	2 U	2 U	2 U	2 U		1 U	0 U	0 U	1 U		0 U	0 U
Bromochloromethane	90	90			2 U											
Bromodichloromethane	80	80		0.12	2 U	2 U	2 U			1 U	0 U	0 U	1 U	1 U	0 U	0 U
Bromoform	80	80		8.5	2 U	2 U	2 U	2 U		1 U			1 U	1 U		
Bromomethane	10	10		8.7	2 U	5 U	5 U	5 U		2 U			1 U	2 U		
Carbon Disulfide	1500	6200		1000	2 U					1 U	0 U	0 U	10 U		0 U	0 U
Carbon Tetrachloride	5	5	5	0.44	2 U	1 U	1 U	1 U		1 U	0 U	0 U	1 U	1 U	0 U	0 U
Chlorobenzene	100	100	100	91	2 U	1 U	1 U	1 U		1 U	0 U	0 U	1 U	2 U	0 U	0 U
Chlorodibromomethane	80	80		0.15	2 U	2 U	2 U	2 U		1 U			1 U	1 U		
Chloroethane	230	900		21000	2 U	1 U	1 U	1 U		2 U	0 U	0 U	1 U	2 U	0 U	0 U
Chloroform	80	80		0.19	2 U	1 U	1 U	1 U		1 U	1	0 U	1 U	1 U	0 U	0 U
Chloromethane	30	30		190	2 U	5 U	5 U	5 U		2 U			1 U			
cis-1,2-Dichloroethene	70	70	70	73	16			12		U		0 U			0 U	0 U
cis-1,3-Dichloropropene	6.6	26		0.43	2 U			1 U		1 U			1 U	1 U		
Ethylbenzene	700	700	700	1.5	2 U	1 U	1 U	1 U		1 U	0 U	0 U	1 U		0 U	0 U
Methyl tert-butyl ether	20	20		12	2 U											
Methylene chloride	5	5		4.8	2 U	2 U	2 U	2 U		2 U	0 U	0 U	1 U	1 U	0 U	0 U
Styrene	100	100	100	1600	2 U					1 U			1 U			
Tetrachloroethene	5	5	5	0.11	1.9 J	1 U	2	1		1	0 U	0 U	1 U	1 U	0 U	0 U
Toluene	1000	1000	1000	2300	2 U	2 U	2 U	2 U		1 U	0 U	0 U	1 U		0 U	0 U
trans-1,2-Dichloroethene	100	100	100	110	2 U	90	85			1 U	0 U	0 U		1 U	0 U	0 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 2.4-3
Groundwater Data Summary - VOC 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 6/18/2009	MW-38S 2/7/1990	MW-38S 4/3/1990	MW-38S 1/31/1992	MW-38S 10/31/1995	MW-38S 7/15/1996	MW-38S 10/20/1997	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
trans-1,3-Dichloropropene	6.6	26		0.43	2 U					1 U			1 U	1 U		
Trichloroethene	5	5	5	2	56	35	25	5	6	2	0 U	7.4	1	1.1	0 U	1.3
Vinyl Acetate	420	1800		410						10 U						
Vinyl Chloride	2	2	2	0.016	2 U	1 U	1 U	1 U		2 U	0 U	0 U	1 U	1 U	0 U	0 U
VOC Library Search													0 U			
Xylenes (Total)	10000	10000	10000	200	6 U					5 U	0 U	0 U	1 U		0 U	0 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 2.4-3
Groundwater Data Summary - VOC 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 2/22/1990	MW-39D 4/3/1990	MW-39D 1/31/1992	MW-39D 4/29/1994	MW-39D 7/12/1994	MW-39D 11/1/1995	MW-39D 7/15/1996	MW-39D 10/20/1997	MW-39D 12/11/1998	MW-39D 9/1/1999	MW-39D 3/30/2000	MW-39D 6/25/2001
TOTAL VOC																
				11.03	4936	2612	6025	5520	540	886	116	217.7	298	862.1	723.5	504.5
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52												
1,1,1-Trichloroethane	200	200	200	9100	7	10	4	50	40		9	1	0 U	10 U	6.2	5
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	5 U	5 U	2 U	25 U	20 U		5.0 U			10 U	1 U	
1,1,2-Trichloroethane	5	5	5	0.24	100 U	100 U	20 U	25 U	20 U		5.0 U	0 U	0 U	10 U	1 U	0 U
1,1,2-Trichlorofluoromethane	2000	2000		1300											1 U	
1,1,2-Trichlorotrifluoroethane	63000	170000		59000	1 U	20 U	50 U									
1,1-Dichloroethane	31	160		2.4	1 U	1	1 U	25 U	20 U		5.0 U	2	0 U	10 U	1.5	1.7
1,1-Dichloroethene	7	7	7	340	1	2	1 U	25	20 U		5.0 U	0 U	0 U	10 U	2.6	2
1,2-Dibromoethane	0.05	0.05	0.05	0.0065												
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	1 U	25 U	20 U		5.0 U	0 U	0 U	10 U	1 U	0 U
1,2-Dichloroethene	70	70	70	330										100		
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	25 U	20 U		5.0 U			10 U	1 U	
1,3-Dichlorobenzene	600	600													2 U	
1,3-Dichloropropene	6.6	26		0.43	1 U	1 U										
1,4-Dioxane	6.4	32		0.67												
2-Butanone	4000	4000		7100				250 U	200 U		100 U			200 U		
2-Chloroethyl Vinyl Ether					10 U	10 U	10 U	250 U	200 U		50 U				1 U	
2-Hexanone	11	44		47				250 U	200 U		50 U			200 U		
4-Methyl-2-Pentanone	2900	8200		2000				250 U	200 U		50 U			100 U		
Acetone	33000	92000		22000				250 U	200 U		100 U	0 U	0 U	200 U		0 U
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045												
Benzene	5	5	5	0.41	100 U	2 U	50 U	25 U	20 U		5.0 U	0 U	0 U	10 U		0 U
Bromochloromethane	90	90														
Bromodichloromethane	80	80		0.12	2 U	5 U		25 U	20 U		5.0 U	0 U	0 U	10 U	1 U	0 U
Bromoform	80	80		8.5	2 U	2 U	2 U	25 U	20 U		5.0 U			10 U	1 U	
Bromomethane	10	10		8.7	5 U	5 U	5 U	50 U	40 U		10 U			10 U	2 U	
Carbon Disulfide	1500	6200		1000				25 U	20 U		5.0 U	0 U	0 U	100 U		0 U
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	1 U	25 U	20 U		5.0 U	0 U	0 U	10 U	1 U	0 U
Chlorobenzene	100	100	100	91	1 U	1 U	1 U	25 U	20 U		5.0 U	0 U	0 U	10 U	2 U	0 U
Chlorodibromomethane	80	80		0.15	200 U	200 U	50 U				5.0 U			10 U	1 U	
Chloroethane	230	900		21000	1 U	1 U	1 U	50 U	40 U		10 U	0 U	0 U	10 U	2 U	0 U
Chloroform	80	80		0.19	50 U	20 U	100 U	25 U	20 U		5.0 U	0 U	0 U	10 U	1 U	0 U
Chloromethane	30	30		190	5 U	5 U	5 U	50 U	40 U		10 U			10 U		
cis-1,2-Dichloroethene	70	70	70	73			1400	2600	2700		320		92			185
cis-1,3-Dichloropropene	6.6	26		0.43			1 U	25 U	20 U		5.0 U			10 U	1 U	
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	25 U	20 U		5.0 U	0 U	0 U	10 U		0 U
Methyl tert-butyl ether	20	20		12												
Methylene chloride	5	5		4.8	2 U	2 U	2 U	50 U	40 U		10 U	0 U	0 U	10 U	1 U	0 U
Styrene	100	100	100	1600				25 U	20 U		5.0 U			10 U		
Tetrachloroethene	5	5	5	0.11	15	20	8	150	80	10	17	3	5.7	28	120	48
Toluene	1000	1000	1000	2300	2 U	2 U	2 U	25 U	20 U		5.0 U	0 U	0 U	10 U		0 U
trans-1,2-Dichloroethene	100	100	100	110	2200	2500		25 U	20 U	230	5.0 U	0 U	0 U		1.8	3.8

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 2.4-3
Groundwater Data Summary - VOC 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 2/22/1990	MW-39D 4/3/1990	MW-39D 1/31/1992	MW-39D 4/29/1994	MW-39D 7/12/1994	MW-39D 11/1/1995	MW-39D 7/15/1996	MW-39D 10/20/1997	MW-39D 12/11/1998	MW-39D 9/1/1999	MW-39D 3/30/2000	MW-39D 6/25/2001
trans-1,3-Dichloropropene	6.6	26		0.43				25 U	20 U		5.0 U			10 U	1 U	
Trichloroethene	5	5	5	2	2300	2400	1200	3200	2700	300	540	110	120	170	730	478
Vinyl Acetate	420	1800		410				250 U	200 U		50 U					
Vinyl Chloride	2	2	2	0.016	2	3	1 U	50 U	40 U		10 U	0 U	0 U	10 U	1 U	0 U
VOC Library Search														0 U		
Xylenes (Total)	10000	10000	10000	200				125 U	100 U		25 U	0 U	0 U	10 U		0 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 2.4-3
Groundwater Data Summary - VOC 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 6/12/2002	MW-39D 6/5/2003	MW-39D 6/10/2004	MW-39D 6/17/2005	MW-39D 6/22/2006	MW-39D 6/27/2007	MW-39D 5/9/2008	MW-39D 9/18/2008	MW-39D Dup 9/18/2008	MW-39D 6/29/2009	MW-39S 2/5/1990	MW-39S 4/3/1990
TOTAL VOC																
				11.03	224.9	569.2	468.5	153	407	237	237.8	310	278	1943	187	7754
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52							10 U	10 U	10 U	10 U		
1,1,1-Trichloroethane	200	200	200	9100	3.2	1.8	3.2 J	1.5 J	5 U	5 U	10 U	10 U	10 U	10 U	5	1
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067			2 U	2 U	5 U	5 U	10 U	10 U	10 U	10 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	0 U	0 U	6 U	6 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1,2-Trichlorotrifluoroethane	63000	170000		59000											1 U	1 U
1,1-Dichloroethane	31	160		2.4	1.3	0 U	10 U	10 U	5 U	5 U	10 U	10 U	10 U	10 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	1.9	0 U	4 U	4 U	5 U	5 U	10 U	10 U	10 U	10 U	1 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065							10 U	10 U	10 U	10 U		
1,2-Dichloroethane	5	5	5	0.15	0 U	0 U	4 U	4 U	5 U	5 U	10 U	10 U	10 U	10 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330												
1,2-Dichloropropane	5	5	5	0.39			2 U	2 U	5 U	5 U	10 U	10 U	10 U	10 U	5 U	1 U
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.43											1 U	1 U
1,4-Dioxane	6.4	32		0.67			2000 U	2000 U	1000 U	1000 U	2000 U	2000 U	2000 U	2000 U		
2-Butanone	4000	4000		7100			10 U	10 U	5 U	5 U	100 U	100 U	100 U	100 U		
2-Chloroethyl Vinyl Ether							10 U	10 U	10 U	10 U					10 U	10 U
2-Hexanone	11	44		47							100 U	100 U	100 U	100 U		
4-Methyl-2-Pentanone	2900	8200		2000							100 U	100 U	100 U	100 U		
Acetone	33000	92000		22000	0 U						100 U	100 U	100 U	100 U		
Acrolein	0.042	0.18		0.042			200 U	200 U	100 U	100 U						
Acrylonitrile	0.72	3.7		0.045			100 U	100 U	100 U	100 U	200 U	200 U	200 U	200 U		
Benzene	5	5	5	0.41	0 U	0 U	2 U	2 U	5 U	5 U	10 U	10 U	10 U	10 U	50 U	2 U
Bromochloromethane	90	90									10 U	10 U	10 U	10 U		
Bromodichloromethane	80	80		0.12	0 U	0 U	2 U	2 U	5 U	5 U	10 U	10 U	10 U	10 U	2 U	2 U
Bromoform	80	80		8.5			8 U	8 U	5 U	5 U	10 U	10 U	10 U	10 U	2 U	2 U
Bromomethane	10	10		8.7			10 U	10 U	5 U	5 U	10 U	10 U	10 U	10 U	5 U	5 U
Carbon Disulfide	1500	6200		1000	0 U						10 U	10 U	10 U	10 U		
Carbon Tetrachloride	5	5	5	0.44	0 U	0 U	4 U	4 U	5 U	5 U	10 U	10 U	10 U	10 U	1 U	1 U
Chlorobenzene	100	100	100	91	0 U	0 U	10 U	10 U	5 U	5 U	10 U	10 U	10 U	10 U	1 U	1 U
Chlorodibromomethane	80	80		0.15			10 U	10 U	5 U	5 U	10 U	10 U	10 U	10 U	20 U	2 U
Chloroethane	230	900		21000	0 U	0 U	10 U	10 U	5 U	5 U	10 U	10 U	10 U	10 U	1 U	1 U
Chloroform	80	80		0.19	0 U	0 U	10 U	10 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	1 U
Chloromethane	30	30		190			10 U	10 U	5 U	5 U	10 U	10 U	10 U	10 U	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	73	129		100	97	42	120	67	58	76	68		
cis-1,3-Dichloropropene	6.6	26		0.43			10 U	10 U	5 U	5 U	10 U	10 U	10 U	10 U		
Ethylbenzene	700	700	700	1.5	0 U	0 U	8 U	8 U	5 U	5 U	10 U	10 U	10 U	10 U	1 U	1 U
Methyl tert-butyl ether	20	20		12							10 U	10 U	10 U	10 U		
Methylene chloride	5	5		4.8	0 U	0 U	6 U	6 U	5 U	5 U	10 U	10 U	10 U	10 U	2 U	2 U
Styrene	100	100	100	1600							10 U	10 U	10 U	10 U		
Tetrachloroethene	5	5	5	0.11	33	30.1	96	69	18	27	10 U	9.8 J	14	10	8	3
Toluene	1000	1000	1000	2300	0 U	0 U	10 U	10 U	5 U	5 U	10 U	10 U	10 U	10 U	2 U	2 U
trans-1,2-Dichloroethene	100	100	100	110	1.1	0 U	10 U	1 J	5 U	5 U	10 U	10 U	10 U	10 U	940	53

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 2.4-3
Groundwater Data Summary - VOC 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 6/12/2002	MW-39D 6/5/2003	MW-39D 6/10/2004	MW-39D 6/17/2005	MW-39D 6/22/2006	MW-39D 6/27/2007	MW-39D 5/9/2008	MW-39D 9/18/2008	MW-39D Dup 9/18/2008	MW-39D 6/29/2009	MW-39S 2/5/1990	MW-39S 4/3/1990
trans-1,3-Dichloropropene	6.6	26		0.43			10 U	10 U	5 U	5 U	10 U	10 U	10 U	10 U		
Trichloroethene	5	5	5	2	335	193	370	300	93	260	170	170	220	200	990	130
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	0 U	0 U	10 U	10 U	5 U	5 U	10 U	10 U	10 U	10 U	1 U	1 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	200	0 U						30 U	30 U	30 U	30 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 2.4-3
Groundwater Data Summary - VOC 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 1/31/1992	MW-39S 4/28/1994	MW-39S 7/12/1994	MW-39S 11/1/1995	MW-39S 7/15/1996	MW-39S 6/2/2003	MW-39S 6/10/2004	MW-39S 6/15/2005	MW-39S 6/22/2006	MW-39S 6/27/2007	MW-39S 5/6/2008	MW-39S 9/15/2008
TOTAL VOC																
				11.03	815	1850	592	178	60.7	167.2	163.1	141	125	46.4	74.96	98.7
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52											1 U	1 U
1,1,1-Trichloroethane	200	200	200	9100	9	15	10 U	7 B	5.0 U	0 U	1.2 J	0.6 J	5 U	5 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	5 U	5 U	10 U		5.0 U		1 U	1 U	5 U	5 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	100 U	5 U	10 U		5.0 U	0 U	3 U	3 U	5 U	5 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1,2-Trichlorotrifluoroethane	63000	170000		59000	100 U											
1,1-Dichloroethane	31	160		2.4	2	5 U	10 U		5.0 U	0 U	5 U	5 U	5 U	5 U	1 U	0.35 J
1,1-Dichloroethene	7	7	7	340	2	5	10 U		5.0 U	0 U	2 U	2 U	5 U	5 U	1 U	0.31 J
1,2-Dibromoethane	0.05	0.05	0.05	0.0065											1 U	1 U
1,2-Dichloroethane	5	5	5	0.15	50 U	5 U			5.0 U	0 U	2 U	2 U	5 U	5 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330												
1,2-Dichloropropane	5	5	5	0.39	1 U	5 U	10 U		5.0 U		1 U	1 U	5 U	5 U	1 U	1 U
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.43												
1,4-Dioxane	6.4	32		0.67							1000 U	1000 U	1000 U	1000 U	200 U	200 U
2-Butanone	4000	4000		7100		50 U	100 U		100 U		5 U	5 U	5 U	5 U	10 U	10 U
2-Chloroethyl Vinyl Ether					10 U	50 U	100 U		50 U		5 U	5 U	10 U	10 U		
2-Hexanone	11	44		47		50 U	100 U		50 U						10 U	10 U
4-Methyl-2-Pentanone	2900	8200		2000		50 U	100 U		50 U						10 U	10 U
Acetone	33000	92000		22000		50 U	100 U		100 U						10 U	10 U
Acrolein	0.042	0.18		0.042							100 U	100 U	100 U	100 U		
Acrylonitrile	0.72	3.7		0.045							50 U	50 U	100 U	100 U	20 U	20 U
Benzene	5	5	5	0.41	200 U	5 U	10 U		5.0 U	0 U	1 U	1 U	5 U	5 U	1 U	1 U
Bromochloromethane	90	90													1 U	1 U
Bromodichloromethane	80	80		0.12		5 U	10 U		5.0 U	0 U	1 U	1 U	5 U	5 U	1 U	1 U
Bromoform	80	80		8.5	2 U	5 U	10 U		5.0 U		4 U	4 U	5 U	5 U	1 U	1 U
Bromomethane	10	10		8.7	5 U	10 U	20 U		10 U		5 U	5 U	5 U	5 U	1 U	1 U
Carbon Disulfide	1500	6200		1000		5 U	10 U		5.0 U						1 U	1 U
Carbon Tetrachloride	5	5	5	0.44	1 U	5 U	10 U		5.0 U	0 U	2 U	2 U	5 U	5 U	1 U	1 U
Chlorobenzene	100	100	100	91	1 U	5 U	10 U		5.0 U	0 U	5 U	5 U	5 U	5 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	200 U				5.0 U		5 U	5 U	5 U	5 U	1 U	1 U
Chloroethane	230	900		21000	1 U	10 U	20 U		10 U	0 U	5 U	5 U	5 U	5 U	1 U	1 U
Chloroform	80	80		0.19	200 U	5 U	10 U	7 B	5.0 U	0 U	5 U	5 U	5 U	5 U	1 U	1 U
Chloromethane	30	30		190	5 U	10 U	20 U		10 U		5 U	5 U	5 U	5 U	1 U	1 U
cis-1,2-Dichloroethene	70	70	70	73	4200	320	930		U		31	45	44	26	8.5	23
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	5 U	10 U		5.0 U		5 U	5 U	5 U	5 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	1 U	5 U	10 U		5.0 U	0 U	4 U	4 U	5 U	5 U	1 U	1 U
Methyl tert-butyl ether	20	20		12											1 U	1 U
Methylene chloride	5	5		4.8	2 U	10 U	20 U		10 U	0 U	3 U	3 U	5 U	5 U	1 U	1 U
Styrene	100	100	100	1600		5 U	10 U		5.0 U						1 U	1 U
Tetrachloroethene	5	5	5	0.11	41	35	40	38	8	9.8	25	16	11	22	5.9	6.3
Toluene	1000	1000	1000	2300	2 U	5 U	10 U		5.0 U	0 U	5 U	5 U	5 U	5 U	1 U	1 U
trans-1,2-Dichloroethene	100	100	100	110		5 U	10 U	230	5.0 U	0 U	5 U	1.5 J	5 U	5 U	1 U	1 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 2.4-3
Groundwater Data Summary - VOC 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 1/31/1992	MW-39S 4/28/1994	MW-39S 7/12/1994	MW-39S 11/1/1995	MW-39S 7/15/1996	MW-39S 6/2/2003	MW-39S 6/10/2004	MW-39S 6/15/2005	MW-39S 6/22/2006	MW-39S 6/27/2007	MW-39S 5/6/2008	MW-39S 9/15/2008
trans-1,3-Dichloropropene	6.6	26		0.43		5 U	10 U		5.0 U		5 U	5 U	5 U	5 U	1 U	1 U
Trichloroethene	5	5	5	2	3500	440	880	310	170	50.9	110	100	86	77	32	45
Vinyl Acetate	420	1800		410		50 U	100 U		50 U							
Vinyl Chloride	2	2	2	0.016	1 U	10 U	20 U		10 U	0 U	5 U	5 U	5 U	5 U	1 U	1 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	200		25 U	50 U		25 U						3 U	3 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 2.4-3
Groundwater Data Summary - VOC 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 6/22/2009	MW-40D 2/5/1990	MW-40D 10/24/1995	MW-40D 12/10/1998	MW-40D 9/15/1999	MW-40D 3/20/2000	MW-40D 3/30/2000	MW-40D 6/20/2001	MW-40D 6/11/2002	MW-40D 6/5/2003	MW-40D 6/8/2004	MW-40D 6/14/2005	MW-40D 6/20/2006
TOTAL VOC																	
				11.03	67	127	31.4	106	75.06	71.4	125.4	17.7	5.4	12.9	5	2.6	0
Volatile Organic Compound																	
1,1,1,2-Tetrachloroethane	70	70		0.52	2 U												
1,1,1-Trichloroethane	200	200	200	9100	2 U	1 U	3	0 U	6	2.98	3	4.1	0 U	0 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	2 U	1 U	1 U		1 U		1 U				1 U	1 U	5 U
1,1,2-Trichloroethane	5	5	5	0.24	2 U	1 U	1 U	0 U	1 U	0 U	1 U	0 U	0 U	0 U	3 U	3 U	5 U
1,1,2-Trichlorofluoromethane	2000	2000		1300							1 U						
1,1,2-Trichlorotrifluoroethane	63000	170000		59000		1 U	1 U										
1,1-Dichloroethane	31	160		2.4	2 U	1 U	1 U	0 U	1 U	1.82	1 U	0 U	0 U	0 U	5 U	5 U	5 U
1,1-Dichloroethene	7	7	7	340	2 U	1 U	1 U	0 U		0 U	1.8	2.5	0 U	0 U	2 U	2 U	5 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	2 U												
1,2-Dichloroethane	5	5	5	0.15	2 U	1 U	1 U	0 U	1 U	0 U	1 U	0 U	0 U	0 U	2 U	2 U	5 U
1,2-Dichloroethene	70	70	70	330			20		17								
1,2-Dichloropropane	5	5	5	0.39	2 U	1 U	1 U		1 U		1 U				1 U	1 U	5 U
1,3-Dichlorobenzene	600	600									2 U						
1,3-Dichloropropene	6.6	26		0.43			1 U										
1,4-Dioxane	6.4	32		0.67	400 U										1000 U	1000 U	1000 U
2-Butanone	4000	4000		7100	20 U				20 U						5 U	5 U	5 U
2-Chloroethyl Vinyl Ether						10 U	10 U				1 U				5 U	5 U	10 U
2-Hexanone	11	44		47	20 U				20 U								
4-Methyl-2-Pentanone	2900	8200		2000	20 U				10 U								
Acetone	33000	92000		22000	20 U			0 U	20 U			0 U	0 U				
Acrolein	0.042	0.18		0.042											100 U	100 U	100 U
Acrylonitrile	0.72	3.7		0.045	40 U										50 U	50 U	100 U
Benzene	5	5	5	0.41	2 U	2 U	2 U	0 U	1 U			0 U	0 U	0 U	1 U	1 U	5 U
Bromochloromethane	90	90			2 U												
Bromodichloromethane	80	80		0.12	2 U		2 U	0 U	1 U		1 U	0 U	0 U	0 U	1 U	1 U	5 U
Bromoform	80	80		8.5	2 U	2 U	2 U		1 U		1 U				4 U	4 U	5 U
Bromomethane	10	10		8.7	2 U	5 U	5 U		1 U		2 U				5 U	5 U	5 U
Carbon Disulfide	1500	6200		1000	2 U			0 U	10 U			0 U	0 U				
Carbon Tetrachloride	5	5	5	0.44	2 U	1 U	1 U	0 U	1 U	0 U	1 U	0 U	0 U	0 U	2 U	2 U	5 U
Chlorobenzene	100	100	100	91	2 U	1 U	1 U	0 U	1 U		2 U	0 U	0 U	0 U	5 U	5 U	5 U
Chlorodibromomethane	80	80		0.15	2 U	2 U	2 U		1 U		1 U				5 U	5 U	5 U
Chloroethane	230	900		21000	2 U	1 U	1 U	0 U	1 U		2 U	0 U	0 U	0 U	5 U	5 U	5 U
Chloroform	80	80		0.19	2 U	5	10	1.4	3	5.1	1.5	1.8	0 U	0 U	5 U	5 U	5 U
Chloromethane	30	30		190	2 U	5 U	5 U		1 U						5 U	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	73	26	9		4				17	2.7		1.9 J	0.7 J	5 U
cis-1,3-Dichloropropene	6.6	26		0.43	2 U	1 U			1 U		1 U				5 U	5 U	5 U
Ethylbenzene	700	700	700	1.5	2 U	1 U	1 U	0 U	1 U			0 U	0 U	0 U	4 U	4 U	5 U
Methyl tert-butyl ether	20	20		12	2 U												
Methylene chloride	5	5		4.8	2 U	2 U	2 U	0 U	1 U	0 U	1 U	0 U	0 U	2.2	3 U	3 U	5 U
Styrene	100	100	100	1600	2 U				1 U								
Tetrachloroethene	5	5	5	0.11	5.7	2	2	0 U	2	2.06	2.1	3	0 U	0 U	1 U	1 U	5 U
Toluene	1000	1000	1000	2300	2 U	2 U	2 U	0 U	1 U			0 U	0 U	0 U	5 U	5 U	5 U
trans-1,2-Dichloroethene	100	100	100	110	2 U			0 U		0 U	1 U	0 U	0 U	0 U	5 U	5 U	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 2.4-3
Groundwater Data Summary - VOC 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 6/22/2009	MW-40D 2/5/1990	MW-40D 10/24/1995	MW-40D 12/10/1998	MW-40D 9/15/1999	MW-40D 3/20/2000	MW-40D 3/30/2000	MW-40D 6/20/2001	MW-40D 6/11/2002	MW-40D 6/5/2003	MW-40D 6/8/2004	MW-40D 6/14/2005	MW-40D 6/20/2006
trans-1,3-Dichloropropene	6.6	26		0.43	2 U				1 U		1 U				5 U	5 U	5 U
Trichloroethene	5	5	5	2	67	51	92	26	78	63.1	63	97	15	3.2	11	4.3	2.6 J
Vinyl Acetate	420	1800		410													
Vinyl Chloride	2	2	2	0.016	2 U	1 U	1 U	0 U	1 U	0 U	1 U	0 U	0 U	0 U	5 U	5 U	5 U
VOC Library Search									0 U								
Xylenes (Total)	10000	10000	10000	200	6 U			0 U	1 U			0 U	0 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 2.4-3
Groundwater Data Summary - VOC 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 6/25/2007	MW-40D 4/25/2008	MW-40D 9/8/2008	MW-40D 6/19/2009	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	MW-40S 6/19/2001	MW-40S 6/11/2002	MW-40S 6/2/2003
TOTAL VOC																	
				11.03	2.69	0.8	0.83	0.92	31	77	66	16	2.3	57.7	73.7	6.6	0
Volatile Organic Compound																	
1,1,1,2-Tetrachloroethane	70	70		0.52		1 U	1 U	1 U	1 U								
1,1,1-Trichloroethane	200	200	200	9100	5 U	1 U	1 U	1 U	1 U	1 U	4	0 U	1 U	1 U	2.3	2.4	0 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	5 U	1 U	1 U	1 U	1 U	1 U	1 U		1 U	1 U			
1,1,2-Trichloroethane	5	5	5	0.24	5 U	1 U	1 U	1 U	1 U	1 U	1 U	0 U	1 U	1 U	0.3 J	0 U	0 U
1,1,2-Trichlorofluoromethane	2000	2000		1300										1 U			
1,1,2-Trichlorotrifluoroethane	63000	170000		59000						1 U	1 U						
1,1-Dichloroethane	31	160		2.4	5 U	1 U	1 U	1 U	1 U	1 U	1 U	0 U	1 U	1 U	0 U	0 U	0 U
1,1-Dichloroethene	7	7	7	340	5 U	1 U	1 U	1 U	1 U	1 U	1 U	0 U	1 U	1 U	1.7	1.2	0 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065		1 U	1 U	1 U	1 U								
1,2-Dichloroethane	5	5	5	0.15	5 U	1 U	1 U	1 U	1 U	1 U	1 U	0 U	1 U	1 U	0 U	0 U	0 U
1,2-Dichloroethene	70	70	70	330							7		3				
1,2-Dichloropropane	5	5	5	0.39	5 U	1 U	1 U	1 U	1 U	1 U	1 U		1 U	1 U			
1,3-Dichlorobenzene	600	600												2 U			
1,3-Dichloropropene	6.6	26		0.43							1 U						
1,4-Dioxane	6.4	32		0.67	1000 U	200 U	200 U	200 U	200 U								
2-Butanone	4000	4000		7100	5 U	10 U	10 U	10 U	10 U				20 U				
2-Chloroethyl Vinyl Ether					10 U					10 U	10 U			1 U			
2-Hexanone	11	44		47		10 U	10 U	10 U	10 U				20 U				
4-Methyl-2-Pentanone	2900	8200		2000		10 U	10 U	10 U	10 U				10 U				
Acetone	33000	92000		22000		10 U	10 U	10 U	10 U			0 U	20 U		0 U	0 U	
Acrolein	0.042	0.18		0.042	100 U												
Acrylonitrile	0.72	3.7		0.045	100 U	20 U	20 U	20 U	20 U								
Benzene	5	5	5	0.41	5 U	1 U	1 U	1 U	1 U	2 U	2 U	0 U	1 U		0 U	0 U	0 U
Bromochloromethane	90	90				1 U	1 U	1 U	1 U								
Bromodichloromethane	80	80		0.12	5 U	1 U	1 U	1 U	1 U		2 U	0 U	1 U	1 U	0 U	0 U	0 U
Bromoform	80	80		8.5	5 U	1 U	1 U	1 U	1 U	2 U	2 U		1 U	1 U			
Bromomethane	10	10		8.7	5 U	1 U	1 U	1 U	1 U	5 U	5 U		1 U	2 U			
Carbon Disulfide	1500	6200		1000		1 U	1 U	1 U	0.32 J B			0 U	10 U		0 U	0 U	
Carbon Tetrachloride	5	5	5	0.44	5 U	1 U	1 U	1 U	1 U	1 U	1 U	0 U	1 U	1 U	0 U	0 U	0 U
Chlorobenzene	100	100	100	91	5 U	1 U	1 U	1 U	1 U	1 U	1 U	0 U	1 U	2 U	0 U	0 U	0 U
Chlorodibromomethane	80	80		0.15	5 U	1 U	1 U	1 U	1 U	2 U	2 U		1 U	1 U			
Chloroethane	230	900		21000	5 U	1 U	1 U	1 U	1 U	1 U	1 U	0 U	1 U	2 U	0 U	0 U	0 U
Chloroform	80	80		0.19	5 U	0.17 J	0.13 J	1 U	1 U	6	1 U	0 U	1 U	1 U	0.2 J	0 U	0 U
Chloromethane	30	30		190	5 U	1 U	1 U	1 U	1 U	5 U	5 U		1 U				
cis-1,2-Dichloroethene	70	70	70	73	5 U	0.22 J	1 U	1 U	1 U	3		14			7.7	11	
cis-1,3-Dichloropropene	6.6	26		0.43	5 U	1 U	1 U	1 U	1 U	1 U			1 U	1 U			
Ethylbenzene	700	700	700	1.5	5 U	1 U	1 U	1 U	1 U	1 U	1 U	0 U	1 U		0 U	0 U	0 U
Methyl tert-butyl ether	20	20		12		1 U	1 U	1 U	1 U								
Methylene chloride	5	5		4.8	5 U	1 U	1 U	1 U	1 U	2 U	2 U	0 U	1 U	1 U	0 U	0 U	0 U
Styrene	100	100	100	1600		1 U	1 U	1 U	1 U				1 U				
Tetrachloroethene	5	5	5	0.11	5 U	1 U	1 U	1 U	1 U	1 U	2	0 U	1	1 U	1.5	2.1	0 U
Toluene	1000	1000	1000	2300	5 U	1 U	1 U	1 U	1 U	2 U	2 U	0 U	1 U		0 U	0 U	0 U
trans-1,2-Dichloroethene	100	100	100	110	5 U	1 U	1 U	1 U	1 U			0 U		1 U	0 U	0 U	0 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 2.4-3
Groundwater Data Summary - VOC 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 6/25/2007	MW-40D 4/25/2008	MW-40D 9/8/2008	MW-40D 6/19/2009	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	MW-40S 6/19/2001	MW-40S 6/11/2002	MW-40S 6/2/2003
trans-1,3-Dichloropropene	6.6	26		0.43	5 U	1 U	1 U	1 U	1 U				1 U	1 U			
Trichloroethene	5	5	5	2	5 U	2.3	0.67 J	0.83 J	0.6 J	22	64	52	12	2.3	44	57	6.6
Vinyl Acetate	420	1800		410													
Vinyl Chloride	2	2	2	0.016	5 U	1 U	1 U	1 U	1 U	1 U	1 U	0 U	1 U	1 U	0 U	0 U	0 U
VOC Library Search													0 U				
Xylenes (Total)	10000	10000	10000	200		3 U	3 U	3 U	3 U			0 U	1 U		0 U	0 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 2.4-3
Groundwater Data Summary - VOC 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 6/8/2004	MW-40S 6/14/2005	MW-40S 6/20/2006	MW-40S 6/25/2007	MW-40S 4/25/2008	MW-40S 9/4/2008	MW-40S 6/15/2009	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
TOTAL VOC																	
				11.03	0	0	0	0	0	0	0	115	88	135	103	88	39
Volatile Organic Compound																	
1,1,1,2-Tetrachloroethane	70	70		0.52					1 U	1 U	1 U	1 U					
1,1,1-Trichloroethane	200	200	200	9100	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	11	10	10	3	4
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U	5 U
1,1,2-Trichloroethane	5	5	5	0.24	3 U	3 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300													
1,1,2-Trichlorotrifluoroethane	63000	170000		59000									1 U	1 U			1 U
1,1-Dichloroethane	31	160		2.4	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	2 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	2	2	4	1	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065					1 U	1 U	1 U	1 U					
1,2-Dichloroethane	5	5	5	0.15	2 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330													1 U
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	600	600															
1,3-Dichloropropene	6.6	26		0.43													1 U
1,4-Dioxane	6.4	32		0.67	1000 U	1000 U	1000 U	1000 U	200 U	200 U	200 U	200 U					
2-Butanone	4000	4000		7100	5 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U				10 U	
2-Chloroethyl Vinyl Ether					5 U	5 U	10 U	10 U					10 U	10 U	10 U	10 U	10 U
2-Hexanone	11	44		47					10 U	10 U	10 U	10 U				10 U	
4-Methyl-2-Pentanone	2900	8200		2000					10 U	10 U	10 U	10 U				10 U	
Acetone	33000	92000		22000					10 U	10 U	10 U	10 U				10 U	
Acrolein	0.042	0.18		0.042	100 U	100 U	100 U	100 U									
Acrylonitrile	0.72	3.7		0.045	50 U	50 U	100 U	100 U	20 U	20 U	20 U	20 U					
Benzene	5	5	5	0.41	1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	2 U
Bromochloromethane	90	90							1 U	1 U	1 U	1 U					
Bromodichloromethane	80	80		0.12	1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U				1 U	2 U
Bromoform	80	80		8.5	4 U	4 U	5 U	5 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	2 U
Bromomethane	10	10		8.7	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	5 U	5 U		2 U	5 U
Carbon Disulfide	1500	6200		1000					1 U	1 U	1 U	1 U				1 U	
Carbon Tetrachloride	5	5	5	0.44	2 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	91	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U		2 U
Chloroethane	230	900		21000	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U
Chloroform	80	80		0.19	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	30	30		190	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	5 U	5 U		2 U	5 U
cis-1,2-Dichloroethene	70	70	70	73	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	3	1 U	
cis-1,3-Dichloropropene	6.6	26		0.43	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Ethylbenzene	700	700	700	1.5	4 U	4 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl ether	20	20		12					1 U	1 U	1 U	1 U					
Methylene chloride	5	5		4.8	3 U	3 U	5 U	5 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U
Styrene	100	100	100	1600					1 U	1 U	1 U	1 U				1 U	
Tetrachloroethene	5	5	5	0.11	1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U	6	3	8	8	9
Toluene	1000	1000	1000	2300	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	2 U
trans-1,2-Dichloroethene	100	100	100	110	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U			1 U	1 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 2.4-3
Groundwater Data Summary - VOC 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 6/8/2004	MW-40S 6/14/2005	MW-40S 6/20/2006	MW-40S 6/25/2007	MW-40S 4/25/2008	MW-40S 9/4/2008	MW-40S 6/15/2009	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
trans-1,3-Dichloropropene	6.6	26		0.43	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U				1 U	
Trichloroethene	5	5	5	2	1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U	96	73	110	91	75
Vinyl Acetate	420	1800		410												10 U	
Vinyl Chloride	2	2	2	0.016	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U
VOC Library Search																	
Xylenes (Total)	10000	10000	10000	200					3 U	3 U	3 U	3 U				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 2.4-3
Groundwater Data Summary - VOC 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 12/9/1998	MW-41D 9/20/1999	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
TOTAL VOC																	
				11.03	51	20.5	16.8	139	224	127	86	127	60	40	13.8	32.5	187
Volatile Organic Compound																	
1,1,1,2-Tetrachloroethane	70	70		0.52													
1,1,1-Trichloroethane	200	200	200	9100	0 U	5 U	1 U	0.3 J	10	16	5	2	3	0 U	5 U	1 U	0 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067		5 U	1 U		1 U	5 U	1 U	1 U	5 U		5 U	1 U	
1,1,2-Trichloroethane	5	5	5	0.24	0 U	5 U	1 U	0 U	1 U	5 U	1 U	1 U	1 U	0 U	5 U	1 U	0 U
1,1,2-Trichlorofluoromethane	2000	2000		1300			1 U									1 U	
1,1,2-Trichlorotrifluoroethane	63000	170000		59000					1 U	1 U			1 U				
1,1-Dichloroethane	31	160		2.4	0 U	5 U	1 U	0 U	1 U	1 U	1 U	1 U	1 U	0 U	5 U	1 U	0 U
1,1-Dichloroethene	7	7	7	340	0 U	5 U	1 U	0 U	2	2	1 U	1 U	1 U	0 U	5 U	1 U	0 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065													
1,2-Dichloroethane	5	5	5	0.15	0 U	5 U	1 U	0 U	1 U	1 U	1 U	1 U	1 U	0 U	5 U	1 U	0 U
1,2-Dichloroethene	70	70	70	330		5 U							1 U		5 U		
1,2-Dichloropropane	5	5	5	0.39		5 U	1 U		1 U	1 U	1 U	1 U	1 U		5 U	1 U	
1,3-Dichlorobenzene	600	600					2 U									2 U	
1,3-Dichloropropene	6.6	26		0.43									1 U				
1,4-Dioxane	6.4	32		0.67													
2-Butanone	4000	4000		7100		100 U						10 U			100 U		
2-Chloroethyl Vinyl Ether							1 U		10 U	10 U	10 U	10 U	10 U			1 U	
2-Hexanone	11	44		47		100 U						10 U			100 U		
4-Methyl-2-Pentanone	2900	8200		2000		50 U						10 U			50 U		
Acetone	33000	92000		22000	0 U	100 U		0 U				10 U		0 U	100 U		0 U
Acrolein	0.042	0.18		0.042													
Acrylonitrile	0.72	3.7		0.045													
Benzene	5	5	5	0.41	0 U	5 U		0 U	10 U	10 U	1 U	1 U	2 U	0 U	5 U		0 U
Bromochloromethane	90	90															
Bromodichloromethane	80	80		0.12	0 U	5 U	1 U	0 U				1 U	2 U	0 U	5 U	1 U	0 U
Bromoform	80	80		8.5		5 U	1 U		2 U	2 U	1 U	1 U	2 U		5 U	1 U	
Bromomethane	10	10		8.7		5 U	2 U		5 U	5 U		2 U	5 U		5 U	2 U	
Carbon Disulfide	1500	6200		1000	0 U	50 U		0.6 J				1 U		0 U	50 U		0 U
Carbon Tetrachloride	5	5	5	0.44	0 U	5 U	1 U	0 U	1 U	1 U	1 U	1 U	1 U	0 U	5 U	1 U	0 U
Chlorobenzene	100	100	100	91	0 U	5 U	2 U	0 U	1 U	1 U	1 U	1 U	1 U	0 U	5 U	2 U	0 U
Chlorodibromomethane	80	80		0.15		5 U	1 U		2 U	10 U	1 U		2 U		5 U	1 U	
Chloroethane	230	900		21000	0 U	5 U	2 U	0 U	1 U	1 U	2 U	2 U	1 U	0 U	5 U	2 U	0 U
Chloroform	80	80		0.19	0 U	5 U	1 U	0 U	1 U	1 U	1 U	1 U	1 U	0 U	5 U	1 U	0 U
Chloromethane	30	30		190		5 U			5 U	5 U		2 U	5 U		5 U		
cis-1,2-Dichloroethene	70	70	70	73	0 U			12	1 U	1 U	1 U	1 U		0 U			0 U
cis-1,3-Dichloropropene	6.6	26		0.43		5 U	1 U		1 U	1 U	1 U	1 U			5 U	1 U	
Ethylbenzene	700	700	700	1.5	0 U	5 U		0 U	1 U	1 U	1 U	1 U	1 U	0 U	5 U		0 U
Methyl tert-butyl ether	20	20		12													
Methylene chloride	5	5		4.8	0 U	5 U	1 U	0 U	2 U	2 U	2 U	2 U	2 U	0 U	5 U	1 U	0 U
Styrene	100	100	100	1600		5 U						1 U			5 U		
Tetrachloroethene	5	5	5	0.11	12	13	3.5	0.6 J	7	26	12	7	14	17	10	1.8	3.5
Toluene	1000	1000	1000	2300	0 U	5 U		0 U	2 U	2 U	1 U	4	2 U	0 U	5 U		0 U
trans-1,2-Dichloroethene	100	100	100	110	0 U		1 U	0 U				1 U		0 U		1 U	0 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 2.4-3
Groundwater Data Summary - VOC 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 12/9/1998	MW-41D 9/20/1999	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
trans-1,3-Dichloropropene	6.6	26		0.43		5 U	1 U					1 U			5 U	1 U	
Trichloroethene	5	5	5	2	27	38	17	3.3	120	180	110	73	110	43	30	12	29
Vinyl Acetate	420	1800		410								10 U					
Vinyl Chloride	2	2	2	0.016	0 U	5 U	1 U	0 U	1 U	1 U	2 U	2 U	1 U	0 U	5 U	1 U	0 U
VOC Library Search						0 U									0 U		
Xylenes (Total)	10000	10000	10000	200	0 U	5 U		0 U				5 U		0 U	5 U		0 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 2.4-3
Groundwater Data Summary - VOC 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 2/6/1990	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
TOTAL VOC																
				11.03	131	63	34	0	0	41.1	151	248	142.6	96	60.2	71.4
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52												
1,1,1-Trichloroethane	200	200	200	9100	6	4	1.9	1	0 U	1 U	0.7 J	3	1	0 U	5 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	5 U		1 U		1 U		1 U	10 U		5 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	1 U	0 U	1 U	0 U	1 U	0 U	1 U	1 U	0 U	5 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300						1 U						1 U
1,1,2-Trichlorotrifluoroethane	63000	170000		59000	1 U	1 U						1 U	1 U			
1,1-Dichloroethane	31	160		2.4	1 U	1 U	0 U	1 U	0 U	1 U	0 U	1 U	1 U	0 U	5 U	1 U
1,1-Dichloroethene	7	7	7	340	1	1	0 U	1 U	0 U	1 U	0 U	1 U	1 U	0 U	5 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065												
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	0 U	1 U	0 U	1 U	0 U	1 U	1 U	0 U	5 U	1 U
1,2-Dichloroethene	70	70	70	330		1 U		5					2		10	
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U		1 U		1 U		1 U	1 U		5 U	1 U
1,3-Dichlorobenzene	600	600								2 U						2 U
1,3-Dichloropropene	6.6	26		0.43		1 U							1 U			
1,4-Dioxane	6.4	32		0.67												
2-Butanone	4000	4000		7100				20 U							20 U	
2-Chloroethyl Vinyl Ether					10 U	10 U				1 U		10 U	10 U			1 U
2-Hexanone	11	44		47				20 U							20 U	
4-Methyl-2-Pentanone	2900	8200		2000				10 U							10 U	
Acetone	33000	92000		22000			0 U	20 U			0 U			0 U	20 U	
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045												
Benzene	5	5	5	0.41	10 U	2 U	0 U	1 U			0 U	10 U	2 U	0 U	5 U	
Bromochloromethane	90	90														
Bromodichloromethane	80	80		0.12		2 U	0 U	1 U		1 U	0 U		2 U	0 U	5 U	1 U
Bromoform	80	80		8.5	2 U	2 U		1 U		1 U		2 U	2 U		5 U	1 U
Bromomethane	10	10		8.7	5 U	5 U		1 U		2 U		5 U	5 U		5 U	2 U
Carbon Disulfide	1500	6200		1000			0 U	10 U			0.8 J			0 U	10 U	
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	0 U	1 U	0 U	1 U	0 U	1 U	1 U	0 U	5 U	1 U
Chlorobenzene	100	100	100	91	1 U	1 U	0 U	1 U		2 U	0 U	1 U	1 U	0 U	5 U	2 U
Chlorodibromomethane	80	80		0.15	2 U	2 U		1 U		1 U		2 U	2 U		5 U	1 U
Chloroethane	230	900		21000	1 U	1 U	0 U	1 U		2 U	0 U	1 U	1 U	0 U	5 U	2 U
Chloroform	80	80		0.19	1 U	1 U	0 U	1 U	0 U	1 U	0 U	1 U	1 U	0 U	5 U	1 U
Chloromethane	30	30		190	5 U	5 U		1 U				5 U	5 U		5 U	
cis-1,2-Dichloroethene	70	70	70	73	1 U		0 U				35	1 U		6.4		
cis-1,3-Dichloropropene	6.6	26		0.43	1 U			1 U		1 U		1 U			5 U	1 U
Ethylbenzene	700	700	700	1.5	1 U	1 U	0 U	1 U			0 U	1 U	1 U	0 U	5 U	
Methyl tert-butyl ether	20	20		12												
Methylene chloride	5	5		4.8	2 U	2 U	0 U	1 U	0 U	1 U	0 U	2 U	2 U	0 U	5 U	1 U
Styrene	100	100	100	1600				1 U							5 U	
Tetrachloroethene	5	5	5	0.11	10	6	3.1	2	0 U	1 U	0.5 J	5	15	6.2	5	4.2
Toluene	1000	1000	1000	2300	2 U	2 U	0 U	1 U			0 U	3	2 U	0 U	5 U	
trans-1,2-Dichloroethene	100	100	100	110			0 U		0 U	1 U	0 U			0 U		1 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 2.4-3
Groundwater Data Summary - VOC 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 2/6/1990	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
trans-1,3-Dichloropropene	6.6	26		0.43				1 U		1 U					5 U	1 U
Trichloroethene	5	5	5	2	170	120	58	26	0 U	1 U	4.1	140	230	130	81	56
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	1 U	1 U	0 U	1 U	0 U	1 U	0 U	1 U	1 U	0 U	5 U	1 U
VOC Library Search								0 U							0 U	
Xylenes (Total)	10000	10000	10000	200			0 U	1 U			0 U			0 U	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 2.4-3
Groundwater Data Summary - VOC 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
TOTAL VOC										
				11.03	53	54	1.3	863	57	
Volatile Organic Compound										
1,1,1,2-Tetrachloroethane	70	70		0.52						
1,1,1-Trichloroethane	200	200	200	9100	0.3 J	2	5 U	1 U	2	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067		1 U	5 U	1 U	2 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	0 U	1 U	5 U	1 U	100 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300				1 U		
1,1,2-Trichlorotrifluoroethane	63000	170000		59000		1 U			1 U	1 U
1,1-Dichloroethane	31	160		2.4	0 U	1 U	5 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	0 U	1 U	5 U	1 U	1 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065						
1,2-Dichloroethane	5	5	5	0.15	0 U	1 U	5 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330			5 U			
1,2-Dichloropropane	5	5	5	0.39		1 U	5 U	1 U	1 U	1 U
1,3-Dichlorobenzene	600	600						2 U		
1,3-Dichloropropene	6.6	26		0.43						
1,4-Dioxane	6.4	32		0.67						
2-Butanone	4000	4000		7100			20 U			
2-Chloroethyl Vinyl Ether						10 U		1 U	10 U	10 U
2-Hexanone	11	44		47			20 U			
4-Methyl-2-Pentanone	2900	8200		2000			10 U			
Acetone	33000	92000		22000	0 U		20 U			
Acrolein	0.042	0.18		0.042						
Acrylonitrile	0.72	3.7		0.045						
Benzene	5	5	5	0.41	0 U	5 U	5 U		20 U	2 U
Bromochloromethane	90	90								
Bromodichloromethane	80	80		0.12	0 U		5 U	1 U		
Bromoform	80	80		8.5		2 U	5 U	1 U	2 U	2 U
Bromomethane	10	10		8.7		5 U	5 U	2 U	5 U	5 U
Carbon Disulfide	1500	6200		1000	0 U		10 U			
Carbon Tetrachloride	5	5	5	0.44	0 U	1 U	5 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	91	0 U	1 U	5 U	2 U	1 U	1 U
Chlorodibromomethane	80	80		0.15		2 U	5 U	1 U	200 U	2 U
Chloroethane	230	900		21000	0 U	1 U	5 U	2 U	1 U	1 U
Chloroform	80	80		0.19	0 U	1 U	5 U	1 U	1 U	1 U
Chloromethane	30	30		190		5 U	5 U		5 U	5 U
cis-1,2-Dichloroethene	70	70	70	73	1.9	1 U			22	1
cis-1,3-Dichloropropene	6.6	26		0.43		1 U	5 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	0 U	1 U	5 U		1 U	1 U
Methyl tert-butyl ether	20	20		12						
Methylene chloride	5	5		4.8	0 U	2 U	5 U	1 U	2 U	2 U
Styrene	100	100	100	1600			5 U			
Tetrachloroethene	5	5	5	0.11	4.2	3	5 U	1 U	9	1 U
Toluene	1000	1000	1000	2300	0 U	2 U	5 U		2 U	2 U
trans-1,2-Dichloroethene	100	100	100	110	0 U			1 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 2.4-3
Groundwater Data Summary - VOC 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
trans-1,3-Dichloropropene	6.6	26		0.43			5 U	1 U		
Trichloroethene	5	5	5	2	65	48	54	1.3	830	56
Vinyl Acetate	420	1800		410						
Vinyl Chloride	2	2	2	0.016	0 U	1 U	5 U	1 U	1 U	1 U
VOC Library Search							0 U			
Xylenes (Total)	10000	10000	10000	200	0 U		10 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 2.4-3
Groundwater Data Summary - VOC 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 6/23/1993	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	MW-43D 6/22/2001	MW-43D 6/13/2002	MW-43D 6/5/2003	MW-43D 6/8/2004	MW-43D 6/15/2005	MW-43D 6/20/2006
TOTAL VOC																
				729	670	847	610.3	405	385.2	470	320.6	327.7	270.5	182.2	266.7	246
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52												
1,1,1-Trichloroethane	200	200	200	9100	1	10 U	1 U	0 U	1 U	1 U	0 U	0 U	0 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	10 U	5 U		1 U	1 U				2 U	2 U	10 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	10 U	5 U	0 U	1 U	1 U	0 U	0 U	0 U	6 U	6 U	10 U
1,1,2-Trichlorofluoromethane	2000	2000		1300						1 U						
1,1,2-Trichlorotrifluoroethane	63000	170000		59000			1 U									
1,1-Dichloroethane	31	160		2.4	1 U	10 U	1 U	0 U	1 U	1 U	0 U	0 U	0 U	10 U	10 U	10 U
1,1-Dichloroethene	7	7	7	340	1 U	10 U	1 U	0 U	1 U	1 U	0 U	0 U	0 U	4 U	4 U	10 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0065												
1,2-Dichloroethane	5	5	5	0.15	1 U		1 U	0 U	1 U	1 U	0 U	0 U	0 U	4 U	4 U	10 U
1,2-Dichloroethene	70	70	70	330			22		17							
1,2-Dichloropropane	5	5	5	0.39	1 U	10 U	1 U		1 U	1 U				2 U	2 U	10 U
1,3,5-Trimethylbenzene	13	53		370												
1,3-Dichlorobenzene	600	600								2 U						
1,3-Dichloropropene	6.6	26		0.43			1 U									
1,4-Dioxane	6.4	32		0.67										2000 U	2000 U	2000 U
2-Butanone	4000	4000		7100		100 U			20 U					10 U	10 U	10 U
2-Chloroethyl Vinyl Ether					10 U	100 U	10 U			1 U				10 U	10 U	20 U
2-Hexanone	11	44		47		100 U			20 U							
4-Methyl-2-Pentanone	2900	8200		2000		100 U			10 U							
Acetone	33000	92000		22000		100 U		0 U	20 U		0 U	0 U				
Acrolein	0.042	0.18		0.042										200 U	200 U	200 U
Acrylonitrile	0.72	3.7		0.045										100 U	100 U	200 U
Benzene	5	5	5	0.41	1 U	10 U	10 U	0 U	1 U		0 U	0 U	0 U	2 U	2 U	10 U
Bromochloromethane	90	90														
Bromodichloromethane	80	80		0.12		10 U	2 U	0 U	1 U	1 U	0 U	0 U	0 U	2 U	2 U	10 U
Bromoform	80	80		8.5	1 U	10 U	2 U		1 U	1 U				8 U	8 U	10 U
Bromomethane	10	10		8.7		20 U	5 U		1 U	2 U				10 U	10 U	10 U
Carbon Disulfide	1500	6200		1000		10 U		0 U	10 U		0 U	0 U				
Carbon Tetrachloride	5	5	5	0.44	1 U	10 U	1 U	0 U	1 U	1 U	0 U	0 U	0 U	4 U	4 U	10 U
Chlorobenzene	100	100	100	91	1 U	10 U	1 U	0 U	1 U	2 U	0 U	0 U	0 U	10 U	10 U	10 U
Chlorodibromomethane	80	80		0.15	1 U		10 U		1 U	1 U				10 U	10 U	10 U
Chloroethane	230	900		21000	2 U	20 U	1 U	0 U	1 U	2 U	0 U	0 U	0 U	10 U	10 U	10 U
Chloroform	80	80		0.19	1 U	10 U	1 U	0 U	1 U	1 U	0 U	0 U	0 U	10 U	10 U	10 U
Chloromethane	30	30		190		20 U	5 U		1 U					10 U	10 U	10 U
cis-1,2-Dichloroethene	70	70	70	73	24	10 U		21			21	13		14	8.9 J	11
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	10 U			1 U	1 U				10 U	10 U	10 U
Ethylbenzene	700	700	700	1.5	1 U	10 U	1 U	0 U	1 U		0 U	0 U	0 U	8 U	8 U	10 U
Isopropylbenzene	840	3500		680												
Methyl tert-butyl ether	20	20		12												
Methylene chloride	5	5		4.8	2 U	20 U	2 U	0 U	1 U	1 U	0 U	0 U	0 U	6 U	6 U	10 U
Naphthalene	100	100		0.14												

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 2.4-3
Groundwater Data Summary - VOC 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 6/23/1993	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	MW-43D 6/22/2001	MW-43D 6/13/2002	MW-43D 6/5/2003	MW-43D 6/8/2004	MW-43D 6/15/2005	MW-43D 6/20/2006
Styrene	100	100	100	1600		10 U			1 U							
Tetrachloroethene	5	5	5	0.11	14	10 U	15	9.3	8	5.2	10	6.6	6.7	6.5	3.3	5.7 J
Toluene	1000	1000	1000	2300	1 U	10 U	2 U	0 U	1 U		0 U	0 U	0 U	10 U	10 U	10 U
trans-1,2-Dichloroethene	100	100	100	110	1 U	10 U		0 U		1 U	0 U	0 U	0 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	6.6	26		0.43		10 U			1 U	1 U				10 U	10 U	10 U
Trichloroethene	5	5	5	2	690	670	810	580	380	380	439	301	321	250	170	250
Vinyl Acetate	420	1800		410		100 U										
Vinyl Chloride	2	2	2	0.016	2 U	20 U	1 U	0 U	1 U	1 U	0 U	0 U	0 U	10 U	10 U	10 U
VOC Library Search									0 U							
Xylenes (Total)	10000	10000	10000	200		50 U		0 U	1 U		0 U	0 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 2.4-3
Groundwater Data Summary - VOC 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 6/25/2007	MW-43D 5/13/2008	MW-43D 9/25/2008	MW-43D 6/26/2009	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
TOTAL VOC																
				729	349	235.6	310.9	267.7	1	11	3	2	4	1.8	1	0
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52		20 U	20 U	20 U	20 U							
1,1,1-Trichloroethane	200	200	200	9100	10 U	20 U	20 U	20 U	20 U	1 U	1 U	1 U	1 U	1 U	0 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	10 U	20 U	20 U	20 U	20 U	1 U	1 U	1 U	1 U	1 U		1 U
1,1,2-Trichloroethane	5	5	5	0.24	10 U	20 U	20 U	20 U	20 U	1 U	1 U	1 U	1 U	1 U	0 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1,2-Trichlorotrifluoroethane	63000	170000		59000						1 U	1 U			1 U		
1,1-Dichloroethane	31	160		2.4	10 U	20 U	20 U	20 U	20 U	1 U	1 U	1 U	1 U	1 U	0 U	1 U
1,1-Dichloroethene	7	7	7	340	10 U	20 U	20 U	20 U	20 U	1 U	1 U	1 U	1 U	1 U	0 U	1 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0065		20 U	20 U	20 U	20 U							
1,2-Dichloroethane	5	5	5	0.15	10 U	20 U	20 U	20 U	8.1 J	1 U	1 U	1 U	1 U	1 U	0 U	1 U
1,2-Dichloroethene	70	70	70	330										1 U		1 U
1,2-Dichloropropane	5	5	5	0.39	10 U	20 U	20 U	20 U	20 U	1 U	1 U	1 U	1 U	1 U		1 U
1,3,5-Trimethylbenzene	13	53		370												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.43										1 U		
1,4-Dioxane	6.4	32		0.67	2000 U	4000 U	4000 U	4000 U	4000 U							
2-Butanone	4000	4000		7100	10 U	200 U	200 U	200 U	200 U				10 U			20 U
2-Chloroethyl Vinyl Ether					20 U					10 U	10 U	10 U	10 U	10 U		
2-Hexanone	11	44		47		200 U	200 U	200 U	200 U				10 U			20 U
4-Methyl-2-Pentanone	2900	8200		2000		200 U	200 U	200 U	200 U				10 U			10 U
Acetone	33000	92000		22000		200 U	200 U	200 U	200 U				10 U		0 U	20 U
Acrolein	0.042	0.18		0.042	200 U											
Acrylonitrile	0.72	3.7		0.045	200 U	400 U	400 U	400 U	400 U							
Benzene	5	5	5	0.41	10 U	20 U	20 U	20 U	20 U	2 U	2 U	1 U	1 U	2 U	0 U	1 U
Bromochloromethane	90	90				20 U	20 U	20 U	20 U							
Bromodichloromethane	80	80		0.12	10 U	20 U	20 U	20 U	20 U				1 U	2 U	0 U	1 U
Bromoform	80	80		8.5	10 U	20 U	20 U	20 U	20 U	2 U	2 U	1 U	1 U	2 U		1 U
Bromomethane	10	10		8.7	10 U	20 U	20 U	20 U	20 U	5 U	5 U		2 U	5 U		1 U
Carbon Disulfide	1500	6200		1000		20 U	20 U	20 U	11 J				1 U		0 U	10 U
Carbon Tetrachloride	5	5	5	0.44	10 U	20 U	20 U	20 U	20 U	1 U	1 U	1 U	1 U	1 U	0 U	1 U
Chlorobenzene	100	100	100	91	10 U	20 U	20 U	20 U	20 U	1 U	1 U	1 U	1 U	1 U	0 U	1 U
Chlorodibromomethane	80	80		0.15	10 U	20 U	20 U	20 U	6.7 J	2 U	2 U	1 U		2 U		1 U
Chloroethane	230	900		21000	10 U	20 U	20 U	20 U	20 U	1 U	1 U	2 U	2 U	1 U	0 U	1 U
Chloroform	80	80		0.19	10 U	20 U	20 U	20 U	20 U	1 U	1 U	1 U	1 U	1 U	0 U	1 U
Chloromethane	30	30		190	10 U	20 U	20 U	20 U	20 U	5 U	5 U		2 U	5 U		1 U
cis-1,2-Dichloroethene	70	70	70	73	11	15 J	10 J	13 J	12 J	1 U	1 U	1 U	1 U		0 U	
cis-1,3-Dichloropropene	6.6	26		0.43	10 U	20 U	20 U	20 U	20 U	1 U	1 U	1 U	1 U			1 U
Ethylbenzene	700	700	700	1.5	10 U	20 U	20 U	20 U	20 U	1 U	1 U	1 U	1 U	1 U	0 U	1 U
Isopropylbenzene	840	3500		680												
Methyl tert-butyl ether	20	20		12		20 U	20 U	20 U	20 U							
Methylene chloride	5	5		4.8	10 U	6 J	20 U	20 U	13 J	2 U	2 U	2 U	2 U	2 U	0 U	1 U
Naphthalene	100	100		0.14												

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 2.4-3
Groundwater Data Summary - VOC 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 6/25/2007	MW-43D 5/13/2008	MW-43D 9/25/2008	MW-43D 6/26/2009	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
Styrene	100	100	100	1600		20 U	20 U	20 U	20 U				1 U			1 U
Tetrachloroethene	5	5	5	0.11	5 J	18 J	5.6 J	7.9 J	6.9 J	1 U	1 U	1 U	1 U	1	0 U	1 U
Toluene	1000	1000	1000	2300	10 U	20 U	20 U	20 U	20 U	2 U	2 U	1 U	1 U	2 U	0 U	1 U
trans-1,2-Dichloroethene	100	100	100	110	10 U	20 U	20 U	20 U	20 U				1 U		0 U	
trans-1,3-Dichloropropene	6.6	26		0.43	10 U	20 U	20 U	20 U	20 U				1 U			1 U
Trichloroethene	5	5	5	2	230	310	220	290	210	1	11	3	2	3	1.8	1
Vinyl Acetate	420	1800		410									10 U			
Vinyl Chloride	2	2	2	0.016	10 U	20 U	20 U	20 U	20 U	1 U	1 U	2 U	2 U	1 U	0 U	1 U
VOC Library Search																0 U
Xylenes (Total)	10000	10000	10000	200		60 U	60 U	60 U	60 U				5 U		0 U	1 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 2.4-3
Groundwater Data Summary - VOC 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 6/2/2003	MW-43S 6/8/2004	MW-43S 6/13/2005	MW-43S 6/20/2006	MW-43S 6/25/2007	MW-43S 4/24/2008	MW-43S 9/4/2008	MW-43S 6/16/2009	MW-43S 6/16/2010	MW-44 4/19/1990
TOTAL VOC																	
				729	0	0	0	2	0	0	0	0.18	0.24	0	0.63	79	19
Volatile Organic Compound																	
1,1,1,2-Tetrachloroethane	70	70		0.52									1 U	1 U	1 U	1 U	
1,1,1-Trichloroethane	200	200	200	9100	1 U	0 U	0 U	0 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	6
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U				1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	0 U	0 U	0 U	3 U	3 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300	1 U												
1,1,2-Trichlorotrifluoroethane	63000	170000		59000													1 U
1,1-Dichloroethane	31	160		2.4	1 U	0 U	0 U	0 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	1 U	0 U	0 U	0 U	2 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1
1,2,4-Trimethylbenzene	15	62		15													
1,2-Dibromoethane	0.05	0.05	0.05	0.0065									1 U	1 U	1 U	1 U	
1,2-Dichloroethane	5	5	5	0.15	1 U	0 U	0 U	0 U	2 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330													
1,2-Dichloropropane	5	5	5	0.39	1 U				1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	13	53		370													
1,3-Dichlorobenzene	600	600			2 U												
1,3-Dichloropropene	6.6	26		0.43													
1,4-Dioxane	6.4	32		0.67					1000 U	1000 U	1000 U	1000 U	200 U	200 U	200 U	200 U	
2-Butanone	4000	4000		7100					5 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U	
2-Chloroethyl Vinyl Ether					1 U				5 U	5 U	10 U	10 U					10 U
2-Hexanone	11	44		47									10 U	10 U	10 U	10 U	
4-Methyl-2-Pentanone	2900	8200		2000									10 U	10 U	10 U	10 U	
Acetone	33000	92000		22000		0 U	0 U						10 U	10 U	10 U	10 U	
Acrolein	0.042	0.18		0.042					100 U	100 U	100 U	100 U					
Acrylonitrile	0.72	3.7		0.045					50 U	50 U	100 U	100 U	20 U	20 U	20 U	20 U	
Benzene	5	5	5	0.41		0 U	0 U	0 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U	5 U
Bromochloromethane	90	90											1 U	1 U	1 U	1 U	
Bromodichloromethane	80	80		0.12	1 U	0 U	0 U	0 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U	
Bromoform	80	80		8.5	1 U				4 U	4 U	5 U	5 U	1 U	1 U	1 U	1 U	2 U
Bromomethane	10	10		8.7	2 U				5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	5 U
Carbon Disulfide	1500	6200		1000		0 U	0 U						1 U	1 U	1 U	0.32 J B	
Carbon Tetrachloride	5	5	5	0.44	1 U	0 U	0 U	0 U	2 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	91	2 U	0 U	0 U	0 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	1 U				5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	2 U
Chloroethane	230	900		21000	2 U	0 U	0 U	0 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Chloroform	80	80		0.19	1 U	0 U	0 U	0 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	30	30		190					5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	5 U
cis-1,2-Dichloroethene	70	70	70	73		0 U	0 U		5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	6.6	26		0.43	1 U				5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5		0 U	0 U	0 U	4 U	4 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	840	3500		680													
Methyl tert-butyl ether	20	20		12									1 U	1 U	1 U	1 U	
Methylene chloride	5	5		4.8	1 U	0 U	0 U	0 U	3 U	3 U	5 U	5 U	1 U	1 U	1 U	1 U	2 U
Naphthalene	100	100		0.14													

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 2.4-3
Groundwater Data Summary - VOC 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 6/2/2003	MW-43S 6/8/2004	MW-43S 6/13/2005	MW-43S 6/20/2006	MW-43S 6/25/2007	MW-43S 4/24/2008	MW-43S 9/4/2008	MW-43S 6/16/2009	MW-43S 6/16/2010	MW-44 4/19/1990
Styrene	100	100	100	1600									1 U	1 U	1 U	1 U	
Tetrachloroethene	5	5	5	0.11	1 U	0 U	0 U	0 U	1.5	1 U	5 U	5 U	0.18 J	0.24 J	1 U	0.31 J	4
Toluene	1000	1000	1000	2300		0 U	0 U	0 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	2 U
trans-1,2-Dichloroethene	100	100	100	110	1 U	0 U	0 U	0 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	
trans-1,3-Dichloropropene	6.6	26		0.43	1 U				5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	
Trichloroethene	5	5	5	2	1 U	0 U	0 U	0 U	0.5 J	1 U	5 U	5 U	1 U	1 U	1 U	1 U	68
Vinyl Acetate	420	1800		410													
Vinyl Chloride	2	2	2	0.016	1 U	0 U	0 U	0 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
VOC Library Search																	
Xylenes (Total)	10000	10000	10000	200		0 U	0 U						3 U	3 U	3 U	3 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 2.4-3
Groundwater Data Summary - VOC 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-44 10/26/1995	MW-44 9/22/1999	MW-44 3/23/2000	MW-45 5/17/1990	MW-45 9/30/1999	MW-45 3/23/2000	MW-45 5/20/2008	MW-46 5/17/1990	MW-46 2/28/1991	MW-46 11/2/1995	MW-46 9/29/1999	MW-46 4/4/2000
TOTAL VOC																
				729	8	7.1	2010	99	37.3	234.7	7055	10938	2022	1196	1250	619
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52							10 U					
1,1,1-Trichloroethane	200	200	200	9100	1	1 U	1 U	69	5 U	1 U	10 U	120	240	12	6	10 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	1 U	200 U	5 U	1 U	10 U	1000 U	2000 U		5 U	10 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	1 U	1 U	10 U	5 U	1 U	10 U	50 U	100 U		5 U	10 U
1,1,2-Trichlorofluoromethane	2000	2000		1300			1 U			1 U						10 U
1,1,2-Trichlorotrifluoroethane	63000	170000		59000	1 U			2				5 U	10 U			
1,1-Dichloroethane	31	160		2.4	1 U	1 U	1 U	4	5 U	1 U	10 U	5 U	15		5 U	10 U
1,1-Dichloroethene	7	7	7	340	1 U	1 U	1 U	27	5 U	1 U	10 U	20	80		5 U	10 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0065							10 U					
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	1 U	2	5 U	1 U	10 U	5 U	5 U		5 U	10 U
1,2-Dichloroethene	70	70	70	330	1 U	1 U			8						100	
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U	5 U	1 U	10 U	5 U	1 U		5 U	10 U
1,3,5-Trimethylbenzene	13	53		370												
1,3-Dichlorobenzene	600	600					2 U			2 U						20 U
1,3-Dichloropropene	6.6	26		0.43	1 U			1 U				5 U				
1,4-Dioxane	6.4	32		0.67							2000 U					
2-Butanone	4000	4000		7100		20 U			100 U		100 U				100 U	
2-Chloroethyl Vinyl Ether					10 U		1 U	10 U		1 U		50 U	10 U			10 U
2-Hexanone	11	44		47		20 U			100 U		100 U				100 U	
4-Methyl-2-Pentanone	2900	8200		2000		10 U			50 U		100 U				50 U	
Acetone	33000	92000		22000		20 U			100 U		100 U				100 U	
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045							200 U					
Benzene	5	5	5	0.41	2 U	1 U		100 U	5 U		10 U	200 U	200 U		5 U	
Bromochloromethane	90	90									10 U					
Bromodichloromethane	80	80		0.12	2 U	1 U	1 U	2 U	5 U	1 U	10 U	10 U			5 U	10 U
Bromoform	80	80		8.5	2 U	1 U	1 U	2 U	5 U	1 U	10 U	10 U	2 U		5 U	10 U
Bromomethane	10	10		8.7	5 U	1 U	2 U	5 U	5 U	2 U	10 U	25 U	5 U		5 U	20 U
Carbon Disulfide	1500	6200		1000		10 U			50 U		10 U				50 U	
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	1 U	5 U	5 U	1 U	10 U	20 U	11		5 U	10 U
Chlorobenzene	100	100	100	91	1 U	1 U	2 U	1 U	5 U	2 U	10 U	5 U	1 U		5 U	20 U
Chlorodibromomethane	80	80		0.15	2 U	1 U	1 U	20 U	5 U	1 U	10 U	100 U	200 U		5 U	10 U
Chloroethane	230	900		21000	1 U	1 U	2 U	1 U	5 U	2 U	10 U	5 U	1 U		5 U	20 U
Chloroform	80	80		0.19	1 U	1 U	1 U	6	5 U	1 U	10 U	15	12	20 B	5 U	10 U
Chloromethane	30	30		190	5 U	1 U		5 U	5 U		10 U	25 U	5 U		5 U	
cis-1,2-Dichloroethene	70	70	70	73							18		580			
cis-1,3-Dichloropropene	6.6	26		0.43		1 U	1 U		5 U	1 U	10 U		1 U		5 U	10 U
Ethylbenzene	700	700	700	1.5	1 U	1 U		1 U	5 U		10 U	5 U	1 U		5 U	
Isopropylbenzene	840	3500		680												
Methyl tert-butyl ether	20	20		12							10 U					
Methylene chloride	5	5		4.8	2 U	1 U	1 U	2 U	5 U	1 U	3.7 J	10 U	2 U		5 U	10 U
Naphthalene	100	100		0.14												

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 2.4-3
Groundwater Data Summary - VOC 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-44 10/26/1995	MW-44 9/22/1999	MW-44 3/23/2000	MW-45 5/17/1990	MW-45 9/30/1999	MW-45 3/23/2000	MW-45 5/20/2008	MW-46 5/17/1990	MW-46 2/28/1991	MW-46 11/2/1995	MW-46 9/29/1999	MW-46 4/4/2000
Styrene	100	100	100	1600		1 U			5 U		10 U				5 U	
Tetrachloroethene	5	5	5	0.11	1	1 U	1 U	530	70	31	150	4400	6600	1300	890	1000
Toluene	1000	1000	1000	2300	2 U	1 U		2 U	5 U		10 U	10 U	2 U		5 U	
trans-1,2-Dichloroethene	100	100	100	110			1 U	270		1 U	10 U	300		250		10 U
trans-1,3-Dichloropropene	6.6	26		0.43		1 U	1 U		5 U	1 U	10 U				5 U	10 U
Trichloroethene	5	5	5	2	17	8	7.1	1100	21	6.3	63	2200	3400	440	200	250
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	1 U	1 U	1 U	1 U	5 U	1 U	10 U	5 U	1 U		5 U	10 U
VOC Library Search						0 U			0 U						0 U	
Xylenes (Total)	10000	10000	10000	200		1 U			5 U		30 U				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 2.4-3
Groundwater Data Summary - VOC 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-46 5/19/2008	MW-46 10/3/2008	MW-47 5/17/1990	MW-47 9/29/1999	MW-47 Dup 9/29/1999	MW-47 3/31/2000	MW-47 6/5/2003	MW-47 6/9/2004	MW-47 6/16/2005	MW-47 6/24/2006	MW-47 6/29/2007	MW-47 5/20/2008
TOTAL VOC																
				729	179	114	434	521	140	308.7	385.2	2903.9	280.5	256.4	114.6	161.6
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52	25 U	5 U										4 U
1,1,1-Trichloroethane	200	200	200	9100	25 U	5 U	10	5 U	9	1 U	36.1	30	77	3.9 J	2.5 J	0.5 J
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	25 U	5 U	10 U	5 U	25 U	1 U		1 U	10 U	5 U	5 U	4 U
1,1,2-Trichloroethane	5	5	5	0.24	25 U	5 U	1 U	5 U	5 U	1 U	0 U	3 U	30 U	5 U	5 U	4 U
1,1,2-Trichlorofluoromethane	2000	2000		1300						1 U						
1,1,2-Trichlorotrifluoroethane	63000	170000		59000			1 U									
1,1-Dichloroethane	31	160		2.4	25 U	5 U	5	5 U	25 U	1 U	5	2.2 J	20 J	5 U	5 U	4 U
1,1-Dichloroethene	7	7	7	340	25 U	5 U	6	9	16	1 U	46.7	26	170	9.6	8.9	2.5 J
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	25 U	5 U										4 U
1,2-Dichloroethane	5	5	5	0.15	25 U	5 U	1 U	5 U	5 U	1 U	0 U	2 U	20 U	5 U	5 U	4 U
1,2-Dichloroethene	70	70	70	330				75	96							
1,2-Dichloropropane	5	5	5	0.39	25 U	5 U	1 U	5 U	5 U	1 U		1 U	10 U	5 U	5 U	4 U
1,3,5-Trimethylbenzene	13	53		370												
1,3-Dichlorobenzene	600	600								2 U						
1,3-Dichloropropene	6.6	26		0.43			1 U									
1,4-Dioxane	6.4	32		0.67	5000 U	1000 U						1000 U	10000 U	1000 U	1000 U	800 U
2-Butanone	4000	4000		7100	250 U	50 U		100 U	50 U			5 U	50 U	5 U	5 U	40 U
2-Chloroethyl Vinyl Ether							10 U			1 U		5 U	50 U	10 U	10 U	
2-Hexanone	11	44		47	250 U	50 U		100 U	50 U							40 U
4-Methyl-2-Pentanone	2900	8200		2000	250 U	50 U		50 U	50 U							40 U
Acetone	33000	92000		22000	250 U	50 U		100 U	50 U							40 U
Acrolein	0.042	0.18		0.042								100 U	1000 U	100 U	100 U	
Acrylonitrile	0.72	3.7		0.045	500 U	100 U						50 U	500 U	100 U	100 U	80 U
Benzene	5	5	5	0.41	25 U	5 U	2 U	5 U	25 U		0 U	1 U	10 U	5 U	5 U	4 U
Bromochloromethane	90	90			25 U	5 U										4 U
Bromodichloromethane	80	80		0.12	25 U	5 U	2 U	5 U	25 U	1 U	0 U	1 U	10 U	5 U	5 U	4 U
Bromoform	80	80		8.5	25 U	5 U	2 U	5 U	5 U	1 U		4 U	40 U	5 U	5 U	4 U
Bromomethane	10	10		8.7	25 U	5 U	5 U	5 U	5 U	2 U		5 U	50 U	5 U	5 U	4 U
Carbon Disulfide	1500	6200		1000	25 U	5 U		50 U	25 U							4 U
Carbon Tetrachloride	5	5	5	0.44	25 U	5 U	1 U	5 U	25 U	1 U	0 U	2 U	20 U	5 U	5 U	4 U
Chlorobenzene	100	100	100	91	25 U	5 U	1 U	5 U	25 U	2 U	0 U	5 U	50 U	5 U	5 U	4 U
Chlorodibromomethane	80	80		0.15	25 U	5 U	2 U	5 U	25 U	1 U		5 U	50 U	5 U	5 U	4 U
Chloroethane	230	900		21000	25 U	5 U	1 U	5 U	25 U	2 U	0 U	5 U	50 U	5 U	5 U	4 U
Chloroform	80	80		0.19	25 U	5 U	2	5 U	25 U	1 U	0 U	5 U	50 U	5 U	5 U	4 U
Chloromethane	30	30		190	25 U	5 U	5 U	5 U	5 U			5 U	50 U	5 U	5 U	4 U
cis-1,2-Dichloroethene	70	70	70	73	29	15						47	670	77	65	20
cis-1,3-Dichloropropene	6.6	26		0.43	25 U	5 U		5 U	5 U	1 U		5 U	50 U	5 U	5 U	4 U
Ethylbenzene	700	700	700	1.5	25 U	5 U	1 U	5 U	5 U		0 U	4 U	40 U	5 U	5 U	4 U
Isopropylbenzene	840	3500		680												
Methyl tert-butyl ether	20	20		12	25 U	5 U										4 U
Methylene chloride	5	5		4.8	22 J	5 U	2 U	5 U	5 U	1 U	0 U	3 U	30 U	5 U	5 U	1.6 J
Naphthalene	100	100		0.14												

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 2.4-3
Groundwater Data Summary - VOC 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-46 5/19/2008	MW-46 10/3/2008	MW-47 5/17/1990	MW-47 9/29/1999	MW-47 Dup 9/29/1999	MW-47 3/31/2000	MW-47 6/5/2003	MW-47 6/9/2004	MW-47 6/16/2005	MW-47 6/24/2006	MW-47 6/29/2007	MW-47 5/20/2008
Styrene	100	100	100	1600	25 U	5 U		5 U	25 U							4 U
Tetrachloroethene	5	5	5	0.11	500	120	61	150	150	110	64.5	110	260	30	40	42
Toluene	1000	1000	1000	2300	25 U	5 U	2 U	5 U	25 U		0 U	5 U	50 U	5 U	5 U	4 U
trans-1,2-Dichloroethene	100	100	100	110	25 U	5 U	2			1 U	0 U	5 U	50 U	5 U	5 U	4 U
trans-1,3-Dichloropropene	6.6	26		0.43	25 U	5 U		5 U	5 U	1 U		5 U	50 U	5 U	5 U	4 U
Trichloroethene	5	5	5	2	68	44	28	200	250	30	154	170	1700	160	140	48 B
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	25 U	5 U	1 U	5 U	5 U	1 U	2.4	5 U	6.9 J	5 U	5 U	4 U
VOC Library Search								0 U	0 U							
Xylenes (Total)	10000	10000	10000	200	75 U	15 U		5 U	5 U							12 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 2.4-3
Groundwater Data Summary - VOC 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-47 10/9/2008	MW-47 7/15/2009	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-49D 7/13/2009	MW-49S 10/22/1991
TOTAL VOC															
				729	453.5	566.9	363480	406000	151820	230000	22590	6610	20030	166860	162000
Volatile Organic Compound															
1,1,1,2-Tetrachloroethane	70	70		0.52	4 U	10 U	12 U					400 U	200 U	400 U	
1,1,1-Trichloroethane	200	200	200	9100	4 U	10 U	12 U	90400	94000	50000	86000	4800	820	4900	58000
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	4 U	10 U	12 U	5000 U	2000 U	200 U	1000 U	400 U	200 U	400 U	200 U
1,1,2-Trichloroethane	5	5	5	0.24	4 U	10 U	12 U	2000 U	5000 U	2000 U	2000 U	400 U	200 U	400 U	2000 U
1,1,2-Trichlorofluoromethane	2000	2000		1300											
1,1,2-Trichlorotrifluoroethane	63000	170000		59000				20 U	1000 U	20 U	1000 U				20 U
1,1-Dichloroethane	31	160		2.4	1 J	10 U	3.6 J	700	2000	420	2000	2100	680	1600	440
1,1-Dichloroethene	7	7	7	340	3 J	11	14	20400	19000	5400	6000	550	170 J	640	6200
1,2,4-Trimethylbenzene	15	62		15											
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	4 U	10 U	12 U					400 U	200 U	400 U	
1,2-Dichloroethane	5	5	5	0.15	4 U	10 U	12 U	100	1000 U	200	1000 U	400 U	200 U	400 U	220
1,2-Dichloroethene	70	70	70	330											
1,2-Dichloropropane	5	5	5	0.39	4 U	10 U	12 U	20 U	1000 U	20 U	1000 U	400 U	200 U	400 U	20 U
1,3,5-Trimethylbenzene	13	53		370											
1,3-Dichlorobenzene	600	600													
1,3-Dichloropropene	6.6	26		0.43				20 U							
1,4-Dioxane	6.4	32		0.67	800 U	2000 U	2500 U					80000 U	40000 U	80000 U	
2-Butanone	4000	4000		7100	40 U	100 U	120 U					4000 U	2000 U	4000 U	
2-Chloroethyl Vinyl Ether								200 U	1000 U	200 U	10000 U				200 U
2-Hexanone	11	44		47	40 U	100 U	120 U					4000 U	2000 U	4000 U	
4-Methyl-2-Pentanone	2900	8200		2000	40 U	100 U	120 U					4000 U	2000 U	4000 U	
Acetone	33000	92000		22000	40 U	100 U	120 U					4000 U	2000 U	4000 U	
Acrolein	0.042	0.18		0.042											
Acrylonitrile	0.72	3.7		0.045	80 U	200 U	250 U					8000 U	4000 U	8000 U	
Benzene	5	5	5	0.41	4 U	10 U	12 U	5000 U	10000 U	2000 U	5000 U	400 U	200 U	400 U	2000 U
Bromochloromethane	90	90			4 U	10 U	12 U					400 U	200 U	400 U	
Bromodichloromethane	80	80		0.12	4 U	10 U	12 U	5000 U				400 U	200 U	400 U	
Bromoform	80	80		8.5	4 U	10 U	12 U	40 U	2000 U	40 U	2000 U	400 U	200 U	400 U	40 U
Bromomethane	10	10		8.7	4 U	10 U	12 U	100 U	5000 U	100 U	5000 U	400 U	200 U	400 U	100 U
Carbon Disulfide	1500	6200		1000	4 U	10 U	12 U					400 U	200 U	400 U	
Carbon Tetrachloride	5	5	5	0.44	4 U	10 U	12 U	10000 U	10000 U	5000 U	10000 U	400 U	200 U	400 U	5000 U
Chlorobenzene	100	100	100	91	4 U	10 U	12 U	20 U	1000 U	20 U	1000 U	400 U	200 U	400 U	20 U
Chlorodibromomethane	80	80		0.15	4 U	10 U	12 U	5000 U	10000 U	5000 U	5000 U	400 U	200 U	400 U	5000 U
Chloroethane	230	900		21000	4 U	10 U	12 U	20 U	1000 U	20 U	1000 U	400 U	200 U	400 U	20 U
Chloroform	80	80		0.19	4 U	10 U	12 U	120	5000 U	40	1000 U	400 U	200 U	400 U	40
Chloromethane	30	30		190	4 U	10 U	12 U	100 U	5000 U	100 U	5000 U	400 U	200 U	400 U	100 U
cis-1,2-Dichloroethene	70	70	70	73	42	110	150		1000 U	280	1000 U	8400	3000	6800	320
cis-1,3-Dichloropropene	6.6	26		0.43	4 U	10 U	12 U		1000 U	20 U	1000 U	400 U	200 U	400 U	20 U
Ethylbenzene	700	700	700	1.5	4 U	10 U	12 U	20 U	1000 U	20 U	1000 U	400 U	200 U	400 U	20 U
Isopropylbenzene	840	3500		680											
Methyl tert-butyl ether	20	20		12	4 U	10 U	12 U					400 U	200 U	400 U	
Methylene chloride	5	5		4.8	1.6 J	2.5 J	3 J	40 U	2000 U	180	2000 U	200 J	200 U	230 J	240
Naphthalene	100	100		0.14											

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 2.4-3
Groundwater Data Summary - VOC 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-47 10/9/2008	MW-47 7/15/2009	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-49D 7/13/2009	MW-49S 10/22/1991
Styrene	100	100	100	1600	4 U	10 U	12 U					400 U	200 U	400 U	
Tetrachloroethene	5	5	5	0.11	26	70	64	11600	11000	3300	6000	740	240	660	20 U
Toluene	1000	1000	1000	2300	4 U	10 U	12 U	40 U	2000 U	40 U	2000 U	400 U	200 U	400 U	3400
trans-1,2-Dichloroethene	100	100	100	110	4 U	10 U	2.3 J	160				400 U	200 U	400 U	
trans-1,3-Dichloropropene	6.6	26		0.43	4 U	10 U	12 U					400 U	200 U	400 U	
Trichloroethene	5	5	5	2	88	260	330	240000	280000	92000	130000	5800 B	1700	5200	98000
Vinyl Acetate	420	1800		410											
Vinyl Chloride	2	2	2	0.016	4 U	10 U	12 U	20 U	1000 U	20 U	1000 U	400 U	200 U	400 U	20 U
VOC Library Search															
Xylenes (Total)	10000	10000	10000	200	12 U	30 U	38 U					1200 U	600 U	1200 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 2.4-3
Groundwater Data Summary - VOC 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 Dup 6/9/2004	MW-50D 6/9/2004	MW-50D 6/23/2005
TOTAL VOC															
				729	35580	17900	8730	4615	1067	2215	1693	33980	30670	22236	18660
Volatile Organic Compound															
1,1,1,2-Tetrachloroethane	70	70		0.52		1000 U	400 U	400 U							
1,1,1-Trichloroethane	200	200	200	9100	61000	1900	1700	850	1100	12	12	11	480 J	470	270 J
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1000 U	1000 U	400 U	400 U	20 U	5 U	10 U	10 U	200 U		100 U
1,1,2-Trichloroethane	5	5	5	0.24	1000 U	1000 U	400 U	400 U	50 U	5 U	10 U	10 U	600 U	0 U	300 U
1,1,2-Trichlorofluoromethane	2000	2000		1300							10 U	10 U			
1,1,2-Trichlorotrifluoroethane	63000	170000		59000	1000 U				1 U						
1,1-Dichloroethane	31	160		2.4	2000	2700	1600	800	140	140	530	470	4000	3700	2600
1,1-Dichloroethene	7	7	7	340	4000	2100	930	390 J	180	56	200	160	1800	1500	940
1,2,4-Trimethylbenzene	15	62		15											
1,2-Dibromoethane	0.05	0.05	0.05	0.0065		1000 U	400 U	400 U							
1,2-Dichloroethane	5	5	5	0.15	1000 U	1000 U	400 U	400 U	1 U	5 U	10 U	10 U	400 U	0 U	200 U
1,2-Dichloroethene	70	70	70	330						620					
1,2-Dichloropropane	5	5	5	0.39	1000 U	1000 U	400 U	400 U	1 U	5 U	10 U	10 U	200 U		100 U
1,3,5-Trimethylbenzene	13	53		370											
1,3-Dichlorobenzene	600	600									20 U	20 U			
1,3-Dichloropropene	6.6	26		0.43											
1,4-Dioxane	6.4	32		0.67		200000 U	80000 U	80000 U					200000 U		100000 U
2-Butanone	4000	4000		7100		10000 U	4000 U	4000 U		20 U			1000 U		500 U
2-Chloroethyl Vinyl Ether					10000 U				10 U		10 U	10 U	1000 U		500 U
2-Hexanone	11	44		47		10000 U	4000 U	4000 U		20 U					
4-Methyl-2-Pentanone	2900	8200		2000		10000 U	4000 U	4000 U		10 U					
Acetone	33000	92000		22000		10000 U	4000 U	4000 U		20 U					
Acrolein	0.042	0.18		0.042									20000 U		10000 U
Acrylonitrile	0.72	3.7		0.045		20000 U	8000 U	8000 U					10000 U		5000 U
Benzene	5	5	5	0.41	2000 U	1000 U	400 U	400 U	20 U	5 U			200 U	0 U	100 U
Bromochloromethane	90	90				1000 U	400 U	400 U							
Bromodichloromethane	80	80		0.12		1000 U	400 U	400 U		5 U	10 U	10 U	200 U	0 U	100 U
Bromoform	80	80		8.5	2000 U	1000 U	400 U	400 U	2 U	5 U	10 U	10 U	800 U		400 U
Bromomethane	10	10		8.7	5000 U	1000 U	400 U	400 U	5 U	5 U	20 U	20 U	1000 U		500 U
Carbon Disulfide	1500	6200		1000		1000 U	400 U	400 U		10 U					
Carbon Tetrachloride	5	5	5	0.44	5000 U	1000 U	400 U	400 U	100 U	5 U	10 U	10 U	400 U	0 U	200 U
Chlorobenzene	100	100	100	91	1000 U	1000 U	400 U	400 U	1 U	5 U	20 U	20 U	1000 U	0 U	500 U
Chlorodibromomethane	80	80		0.15	2000 U	1000 U	400 U	400 U	100 U	5 U	10 U	10 U	1000 U		500 U
Chloroethane	230	900		21000	1000 U	1000 U	400 U	400 U	1 U	5 U	20 U	20 U	1000 U	0 U	500 U
Chloroform	80	80		0.19	1000 U	1000 U	400 U	400 U	50 U	5 U	10 U	10 U	1000 U	0 U	500 U
Chloromethane	30	30		190	5000 U	1000 U	400 U	400 U	5 U	5 U			1000 U		500 U
cis-1,2-Dichloroethene	70	70	70	73	1000 U	15000	7900	4200	1100				6300	5800	6400
cis-1,3-Dichloropropene	6.6	26		0.43	1000 U	1000 U	400 U	400 U	1 U	5 U	10 U	10 U	1000 U		500 U
Ethylbenzene	700	700	700	1.5	1000 U	1000 U	400 U	400 U	1 U	5 U			800 U	0 U	400 U
Isopropylbenzene	840	3500		680											
Methyl tert-butyl ether	20	20		12		1000 U	400 U	400 U							
Methylene chloride	5	5		4.8	2000 U	360 J	160 J	400 U	2 U	5 U	10 U	10 U	600 U	0 U	300 U
Naphthalene	100	100		0.14											

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 2.4-3
Groundwater Data Summary - VOC 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 Dup 6/9/2004	MW-50D 6/9/2004	MW-50D 6/23/2005
Styrene	100	100	100	1600		1000 U	400 U	400 U		5 U					
Tetrachloroethene	5	5	5	0.11	4000	520 J	410	190 J	75	5	54	35	1400	1200	970
Toluene	1000	1000	1000	2300	2000 U	1000 U	400 U	400 U	2 U	5 U			1000 U	0 U	500 U
trans-1,2-Dichloroethene	100	100	100	110		1000 U	400 U	400 U			10 U	10 U	1000 U	0 U	500 U
trans-1,3-Dichloropropene	6.6	26		0.43		1000 U	400 U	400 U		5 U	10 U	10 U	1000 U		500 U
Trichloroethene	5	5	5	2	91000	13000	5200	2300	1900	210	1400	1000	20000	18000	11000
Vinyl Acetate	420	1800		410											
Vinyl Chloride	2	2	2	0.016	1000 U	1000 U	400 U	400 U	120	24	19	17	1000 U	0 U	56 J
VOC Library Search										0 U					
Xylenes (Total)	10000	10000	10000	200		3000 U	1200 U	1200 U		10 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 2.4-3
Groundwater Data Summary - VOC 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-50D 6/23/2006	MW-50D 6/28/2007	MW-50D 5/22/2008	MW-50D 10/7/2008	MW-50D 7/14/2009	MW-50D 7/2/2010	MW-50S 11/1/1991	MW-50S 9/28/1999	MW-50S 4/6/2000	MW-50S 6/10/2004	MW-50S 6/20/2005	MW-50S 6/24/2006
TOTAL VOC																
				729	14870	18675	12860	9433	13140	5888	1014	141	1018	1609	888.6	1179
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52			250 U	250 U	250 U	250 U						
1,1,1-Trichloroethane	200	200	200	9100	500 U	500 U	240 J	150 J	160 J	150 J	840	11	31	13	19 J	25 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	500 U	500 U	250 U	250 U	250 U	250 U	50 U	5 U	10 U		10 U	25 U
1,1,2-Trichloroethane	5	5	5	0.24	500 U	500 U	250 U	250 U	250 U	250 U	100 U	5 U	10 U	0 U	30 U	25 U
1,1,2-Trichlorofluoromethane	2000	2000		1300									10 U			
1,1,2-Trichlorotrifluoroethane	63000	170000		59000							1 U					
1,1-Dichloroethane	31	160		2.4	2100	1600	1600	1400	860	1200	85	68	61	37	39 J	18 J
1,1-Dichloroethene	7	7	7	340	620	630	850	580	360	320	210	51	49	24	28	7.6 J
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0065			250 U	250 U	250 U	250 U						
1,2-Dichloroethane	5	5	5	0.15	500 U	500 U	250 U	250 U	250 U	250 U	3	5 U	10 U	0 U	20 U	25 U
1,2-Dichloroethene	70	70	70	330								620				
1,2-Dichloropropane	5	5	5	0.39	500 U	500 U	250 U	250 U	250 U	250 U	1 U	5 U	10 U		10 U	25 U
1,3,5-Trimethylbenzene	13	53		370												
1,3-Dichlorobenzene	600	600											20 U			
1,3-Dichloropropene	6.6	26		0.43												
1,4-Dioxane	6.4	32		0.67	100000 U	100000 U	50000 U	50000 U	50000 U	50000 U					10000 U	5000 U
2-Butanone	4000	4000		7100	500 U	500 U	2500 U	2500 U	2500 U	2500 U		20 U			50 U	25 U
2-Chloroethyl Vinyl Ether					1000 U	1000 U					10 U		10 U		50 U	50 U
2-Hexanone	11	44		47			2500 U	2500 U	2500 U	2500 U		20 U				
4-Methyl-2-Pentanone	2900	8200		2000			2500 U	2500 U	2500 U	2500 U		10 U				
Acetone	33000	92000		22000			2500 U	2500 U	2500 U	2500 U		20 U				
Acrolein	0.042	0.18		0.042	10000 U	10000 U									1000 U	500 U
Acrylonitrile	0.72	3.7		0.045	10000 U	10000 U	5000 U	5000 U	5000 U	5000 U					500 U	500 U
Benzene	5	5	5	0.41	500 U	500 U	250 U	250 U	250 U	250 U	50 U	5 U		0 U	10 U	25 U
Bromochloromethane	90	90					250 U	250 U	250 U	250 U						
Bromodichloromethane	80	80		0.12	500 U	500 U	250 U	250 U	250 U	250 U		5 U	10 U	0 U	10 U	25 U
Bromoform	80	80		8.5	500 U	500 U	250 U	250 U	250 U	250 U	2 U	5 U	10 U		40 U	25 U
Bromomethane	10	10		8.7	500 U	500 U	120 J	250 U	250 U	250 U	5 U	5 U	20 U		50 U	25 U
Carbon Disulfide	1500	6200		1000			250 U	250 U	250 U	2600 B		10 U				
Carbon Tetrachloride	5	5	5	0.44	500 U	500 U	250 U	250 U	250 U	250 U	50 U	5 U	10 U	0 U	20 U	25 U
Chlorobenzene	100	100	100	91	500 U	500 U	250 U	250 U	250 U	250 U	1 U	5 U	20 U	0 U	50 U	25 U
Chlorodibromomethane	80	80		0.15	500 U	500 U	250 U	250 U	250 U	250 U	200 U	5 U	10 U		50 U	25 U
Chloroethane	230	900		21000	500 U	500 U	250 U	250 U	250 U	250 U	1 U	5 U	20 U	0 U	50 U	25 U
Chloroform	80	80		0.19	500 U	500 U	250 U	250 U	250 U	250 U	3	5 U	10 U	0 U	50 U	25 U
Chloromethane	30	30		190	500 U	500 U	250 U	250 U	250 U	250 U	5 U	5 U			50 U	25 U
cis-1,2-Dichloroethene	70	70	70	73	6000	5000	6700	4500	3600	5100	97			380	580	340
cis-1,3-Dichloropropene	6.6	26		0.43	500 U	500 U	250 U	250 U	250 U	250 U	1 U	5 U	10 U		50 U	25 U
Ethylbenzene	700	700	700	1.5	500 U	500 U	250 U	250 U	250 U	250 U	1 U	5 U		0 U	40 U	25 U
Isopropylbenzene	840	3500		680												
Methyl tert-butyl ether	20	20		12			250 U	250 U	250 U	250 U						
Methylene chloride	5	5		4.8	500 U	500 U	120 J	120 J	250 U	250 U	2 U	5 U	10 U	0 U	30 U	25 U
Naphthalene	100	100		0.14												

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 2.4-3
Groundwater Data Summary - VOC 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-50D 6/23/2006	MW-50D 6/28/2007	MW-50D 5/22/2008	MW-50D 10/7/2008	MW-50D 7/14/2009	MW-50D 7/2/2010	MW-50S 11/1/1991	MW-50S 9/28/1999	MW-50S 4/6/2000	MW-50S 6/10/2004	MW-50S 6/20/2005	MW-50S 6/24/2006
Styrene	100	100	100	1600			250 U	250 U	250 U	250 U		5 U				
Tetrachloroethene	5	5	5	0.11	640	740	800	710	590	470	150	14	10 U	34	63	23 J
Toluene	1000	1000	1000	2300	500 U	500 U	250 U	250 U	250 U	250 U	2 U	5 U		0 U	50 U	25 U
trans-1,2-Dichloroethene	100	100	100	110	500 U	500 U	250 U	250 U	250 U	250 U			10 U	0 U	50 U	25 U
trans-1,3-Dichloropropene	6.6	26		0.43	500 U	500 U	250 U	250 U	250 U	250 U		5 U	10 U		50 U	25 U
Trichloroethene	5	5	5	2	9300	6900	8200	5400 J	3800	3300	4500	250	10 U	520	880	500
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	500 U	500 U	45 J	250 U	63 J	250 U	1 U	5 U	10 U	10	50 U	25 U
VOC Library Search												0 U				
Xylenes (Total)	10000	10000	10000	200			750 U	750 U	750 U	750 U		10 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 2.4-3
Groundwater Data Summary - VOC 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 6/28/2007	MW-50S 5/15/2008	MW-50S 9/30/2008	MW-50S 7/1/2009	MW-50S 6/29/2010	MW-51D 11/1/1991	MW-51D 11/2/1995	MW-51D 7/17/1996	MW-51D 10/21/1997	MW-51D 12/11/1998	MW-51D 9/21/1999	MW-51D 4/6/2000
TOTAL VOC																
				729	797.4	615.1	223.2	388.7	9685	6114	2526	878	2581	2526	837	1903
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52		20 U	20 U	10 U	10 U							
1,1,1-Trichloroethane	200	200	200	9100	25 U	20 U	20 U	10 U	10 U	800	560	70	21	0 U	39	28
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	25 U	20 U	20 U	10 U	10 U	100 U		10 U			5 U	10 U
1,1,2-Trichloroethane	5	5	5	0.24	25 U	20 U	20 U	10 U	10 U	100 U		10 U	0 U	0 U	5 U	10 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												10 U
1,1,2-Trichlorotrifluoroethane	63000	170000		59000						5 U						
1,1-Dichloroethane	31	160		2.4	19 J	9 J	6.9 J	1.9 J	4.4 J	60	84	34	37	120	210	160
1,1-Dichloroethene	7	7	7	340	19 J	8.9 J	7.2 J	3.2 J	10 U	410	280	52	36	120	200	180
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0065		20 U	20 U	10 U	10 U							
1,2-Dichloroethane	5	5	5	0.15	25 U	20 U	20 U	10 U	10 U	5 U		10 U	0 U	0 U	5 U	10 U
1,2-Dichloroethene	70	70	70	330											920	
1,2-Dichloropropane	5	5	5	0.39	25 U	20 U	20 U	10 U	10 U	5 U		10 U			5 U	10 U
1,3,5-Trimethylbenzene	13	53		370												
1,3-Dichlorobenzene	600	600														20 U
1,3-Dichloropropene	6.6	26		0.43												
1,4-Dioxane	6.4	32		0.67	5000 U	4000 U	4000 U	2000 U	2000 U							
2-Butanone	4000	4000		7100	25 U	200 U	200 U	100 U	100 U			200 U			100 U	
2-Chloroethyl Vinyl Ether					50 U					50 U		100 U				10 U
2-Hexanone	11	44		47		200 U	200 U	100 U	100 U			100 U			100 U	
4-Methyl-2-Pentanone	2900	8200		2000		200 U	200 U	100 U	100 U			100 U			50 U	
Acetone	33000	92000		22000		200 U	200 U	100 U	100 U			200 U	0 U	0 U	100 U	
Acrolein	0.042	0.18		0.042	500 U											
Acrylonitrile	0.72	3.7		0.045	500 U	400 U	400 U	200 U	200 U							
Benzene	5	5	5	0.41	25 U	20 U	20 U	10 U	10 U	200 U		10 U	0 U	0 U	5 U	
Bromochloromethane	90	90				20 U	20 U	10 U	10 U							
Bromodichloromethane	80	80		0.12	25 U	20 U	20 U	10 U	10 U			10 U	0 U	0 U	5 U	10 U
Bromoform	80	80		8.5	25 U	20 U	20 U	10 U	10 U	10 U		10 U			5 U	10 U
Bromomethane	10	10		8.7	25 U	20 U	20 U	10 U	10 U	25 U		20 U			5 U	20 U
Carbon Disulfide	1500	6200		1000		20 U	13 J	10 U	3.5 J			10 U	0 U	0 U	50 U	
Carbon Tetrachloride	5	5	5	0.44	25 U	20 U	20 U	10 U	10 U	50 U		10 U	0 U	0 U	5 U	10 U
Chlorobenzene	100	100	100	91	25 U	20 U	20 U	10 U	10 U	5 U		10 U	0 U	0 U	5 U	20 U
Chlorodibromomethane	80	80		0.15	25 U	20 U	20 U	10 U	10 U	200 U		10 U			5 U	10 U
Chloroethane	230	900		21000	25 U	20 U	20 U	10 U	10 U	5 U		20 U	0 U	0 U	5 U	20 U
Chloroform	80	80		0.19	25 U	20 U	20 U	10 U	10 U	5 U		10 U	0 U	0 U	5 U	10 U
Chloromethane	30	30		190	25 U	20 U	20 U	10 U	10 U	25 U		20 U			5 U	
cis-1,2-Dichloroethene	70	70	70	73	430	330	250	110	190	1200		870		1200		
cis-1,3-Dichloropropene	6.6	26		0.43	25 U	20 U	20 U	10 U	10 U	5 U		10 U			5 U	10 U
Ethylbenzene	700	700	700	1.5	25 U	20 U	20 U	10 U	10 U	5 U		10 U	0 U	0 U	5 U	
Isopropylbenzene	840	3500		680												
Methyl tert-butyl ether	20	20		12		20 U	20 U	10 U	10 U							
Methylene chloride	5	5		4.8	25 U	7.1 J	20 U	3.2 J B	10 U	10 U		20 U	0 U	0 U	5 U	10 U
Naphthalene	100	100		0.14												

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 2.4-3
Groundwater Data Summary - VOC 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 6/28/2007	MW-50S 5/15/2008	MW-50S 9/30/2008	MW-50S 7/1/2009	MW-50S 6/29/2010	MW-51D 11/1/1991	MW-51D 11/2/1995	MW-51D 7/17/1996	MW-51D 10/21/1997	MW-51D 12/11/1998	MW-51D 9/21/1999	MW-51D 4/6/2000
Styrene	100	100	100	1600		20 U	20 U	10 U	10 U			10 U			5 U	
Tetrachloroethene	5	5	5	0.11	51	23	18 J	4.9 J	9 J	1000	190	100	60	86	57	32
Toluene	1000	1000	1000	2300	25 U	20 U	20 U	10 U	1.8 J	10 U		10 U	0 U	0 U	5 U	
trans-1,2-Dichloroethene	100	100	100	110	25 U	5.1 J	20 U	10 U	10 U		2000	10 U	0 U	0 U		10 U
trans-1,3-Dichloropropene	6.6	26		0.43	25 U	20 U	20 U	10 U	10 U			10 U			5 U	10 U
Trichloroethene	5	5	5	2	660	410	320	100	180	6200	3000	1400	710	1000	1100	400
Vinyl Acetate	420	1800		410								100 U				
Vinyl Chloride	2	2	2	0.016	25 U	4.3 J	20 U	10 U	10 U	15		20 U	14	55	5 U	37
VOC Library Search															0 U	
Xylenes (Total)	10000	10000	10000	200		60 U	60 U	30 U	30 U			50 U	0 U	0 U	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 2.4-3
Groundwater Data Summary - VOC 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 6/25/2001	MW-51D 6/18/2002	MW-51D 6/6/2003	MW-51D 6/9/2004	MW-51D 8/4/2004	MW-51D 6/21/2005	MW-51D 6/24/2006	MW-51D 6/29/2007	MW-51D 5/12/2008	MW-51D 9/18/2008	MW-51D 7/7/2009	MW-51D 6/30/2010
TOTAL VOC																
				729	1827.6	665.7	30670	1835.2	1831.6	1320	307	397	258.3	51.36	28.34	34765
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52									10 U	10 U	1 U	1 U
1,1,1-Trichloroethane	200	200	200	9100	27	14	10.8	470 J	12 J	18 J	50 U	5 U	10 U	10 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067				200 U	5 U	10 U	50 U	5 U	10 U	10 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	0 U	0 U	0 U	600 U	15 U	30 U	50 U	5 U	10 U	10 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1,2-Trichlorotrifluoroethane	63000	170000		59000												
1,1-Dichloroethane	31	160		2.4	179	57	57.1	3700	59	52	50	7.8	7 J	10 U	0.55 J	1 U
1,1-Dichloroethene	7	7	7	340	62	53	33.4	1500	75	78	46 J	13	19	10	2.3	1
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0065									10 U	10 U	1 U	1 U
1,2-Dichloroethane	5	5	5	0.15	0 U	0 U	0 U	400 U	10 U	20 U	50 U	5 U	10 U	10 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330												
1,2-Dichloropropane	5	5	5	0.39				200 U	5 U	10 U	50 U	5 U	10 U	10 U	1 U	1 U
1,3,5-Trimethylbenzene	13	53		370												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.43												
1,4-Dioxane	6.4	32		0.67				200000 U	5000 U	10000 U	10000 U	1000 U	2000 U	2000 U	200 U	200 U
2-Butanone	4000	4000		7100				1000 U	25 U	50 U	50 U	5 U	100 U	100 U	10 U	10 U
2-Chloroethyl Vinyl Ether								1000 U	25 U	50 U	100 U	10 U				
2-Hexanone	11	44		47									100 U	100 U	10 U	10 U
4-Methyl-2-Pentanone	2900	8200		2000									100 U	100 U	10 U	10 U
Acetone	33000	92000		22000	0 U	0 U							100 U	100 U	10 U	2.9 J
Acrolein	0.042	0.18		0.042				20000 U	500 U	1000 U	1000 U	100 U				
Acrylonitrile	0.72	3.7		0.045				10000 U	250 U	500 U	1000 U	100 U	200 U	200 U	20 U	20 U
Benzene	5	5	5	0.41	0 U	0 U	0 U	200 U	5 U	10 U	50 U	5 U	10 U	10 U	1 U	0.12 J
Bromochloromethane	90	90											10 U	10 U	1 U	1 U
Bromodichloromethane	80	80		0.12	0 U	0 U	0 U	200 U	5 U	10 U	50 U	5 U	10 U	10 U	1 U	1 U
Bromoform	80	80		8.5				800 U	20 U	40 U	50 U	5 U	10 U	10 U	1 U	1 U
Bromomethane	10	10		8.7				1000 U	25 U	50 U	50 U	5 U	10 U	10 U	1 U	1 U
Carbon Disulfide	1500	6200		1000	0 U	0 U							10 U	10 U	1 U	0.53 J
Carbon Tetrachloride	5	5	5	0.44	0 U	0 U	0 U	400 U	10 U	20 U	50 U	5 U	10 U	10 U	1 U	1 U
Chlorobenzene	100	100	100	91	0 U	0 U	0 U	1000 U	25 U	50 U	50 U	5 U	10 U	10 U	1 U	1 U
Chlorodibromomethane	80	80		0.15				1000 U	25 U	50 U	50 U	5 U	10 U	10 U	1 U	1 U
Chloroethane	230	900		21000	0 U	0 U	0 U	1000 U	25 U	50 U	50 U	5 U	10 U	10 U	1 U	1 U
Chloroform	80	80		0.19	0 U	1.5	0 U	1000 U	25 U	50 U	50 U	5 U	10 U	10 U	1 U	1 U
Chloromethane	30	30		190				1000 U	25 U	50 U	50 U	5 U	10 U	10 U	1 U	0.4 J
cis-1,2-Dichloroethene	70	70	70	73	990	1240		5800	900	610	410	88	160	90	15	5.6
cis-1,3-Dichloropropene	6.6	26		0.43				1000 U	25 U	50 U	50 U	5 U	10 U	10 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	0 U	0 U	0 U	800 U	20 U	40 U	50 U	5 U	10 U	10 U	1 U	1 U
Isopropylbenzene	840	3500		680												
Methyl tert-butyl ether	20	20		12									10 U	10 U	1 U	1 U
Methylene chloride	5	5		4.8	0 U	0 U	0 U	600 U	15 U	30 U	50 U	5 U	10 U	4.2 J	1 U	1 U
Naphthalene	100	100		0.14												

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 2.4-3
Groundwater Data Summary - VOC 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 6/25/2001	MW-51D 6/18/2002	MW-51D 6/6/2003	MW-51D 6/9/2004	MW-51D 8/4/2004	MW-51D 6/21/2005	MW-51D 6/24/2006	MW-51D 6/29/2007	MW-51D 5/12/2008	MW-51D 9/18/2008	MW-51D 7/7/2009	MW-51D 6/30/2010
Styrene	100	100	100	1600									10 U	10 U	1 U	1 U
Tetrachloroethene	5	5	5	0.11	0 U	28	45.4	1200	37	67	34 J	8.2	11	8.7 J	1.9	1.1
Toluene	1000	1000	1000	2300	0 U	0 U	0 U	1000 U	25 U	50 U	50 U	5 U	10 U	5.4 J	0.29 J	0.69 J
trans-1,2-Dichloroethene	100	100	100	110	44	4.1	41.4	1000 U	7.2 J	6.6 J	50 U	5 U	10 U	10 U	1 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.43				1000 U	25 U	50 U	50 U	5 U	10 U	10 U	1 U	1 U
Trichloroethene	5	5	5	2	24	348	452	18000	730	1000	780	190	200	140	31	16
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	577	82	25.6	1000 U	15 J	50 U	50 U	5 U	10 U	10 U	0.32 J	1 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	200	0 U	0 U							30 U	30 U	3 U	3 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 2.4-3
Groundwater Data Summary - VOC 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-51S 10/4/1991	MW-51S 11/1/1991	MW-51S 11/2/1995	MW-51S 7/16/1996	MW-51S 10/20/1997	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
TOTAL VOC															
				729	18095	5300	11670	10414	7199	4324	3961	5640.5	5413.3	3450.8	1018
Volatile Organic Compound															
1,1,1,2-Tetrachloroethane	70	70		0.52											
1,1,1-Trichloroethane	200	200	200	9100	3800	2100	440	1400	1500	730	240	220	206	183	215
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	500 U	200 U		50 U			5 U	10 U			
1,1,2-Trichloroethane	5	5	5	0.24	500 U	250 U		50 U	0 U	0 U	5 U	10 U	0 U	0 U	0 U
1,1,2-Trichlorofluoromethane	2000	2000		1300								10 U			
1,1,2-Trichlorotrifluoroethane	63000	170000		59000	5 U	5 U									
1,1-Dichloroethane	31	160		2.4	45	35	20	50 U	54	36		21	34	22	28.1
1,1-Dichloroethene	7	7	7	340	1700	780	260	670	660	400	220	230	213	200	197
1,2,4-Trimethylbenzene	15	62		15											
1,2-Dibromoethane	0.05	0.05	0.05	0.0065											
1,2-Dichloroethane	5	5	5	0.15	10	5 U		50 U	0 U	0 U	5 U	10 U	2.4	1.7	0 U
1,2-Dichloroethene	70	70	70	330							870				
1,2-Dichloropropane	5	5	5	0.39	5 U	5 U		50 U			5 U	10 U			
1,3,5-Trimethylbenzene	13	53		370											
1,3-Dichlorobenzene	600	600										20 U			
1,3-Dichloropropene	6.6	26		0.43											
1,4-Dioxane	6.4	32		0.67											
2-Butanone	4000	4000		7100				1000 U			100 U				
2-Chloroethyl Vinyl Ether					50 U	50 U		500 U				10 U			
2-Hexanone	11	44		47				500 U			100 U				
4-Methyl-2-Pentanone	2900	8200		2000				500 U			50 U				
Acetone	33000	92000		22000				1000 U	0 U	0 U	100 U		0 U	0 U	
Acrolein	0.042	0.18		0.042											
Acrylonitrile	0.72	3.7		0.045											
Benzene	5	5	5	0.41	500 U	500 U		50 U	0 U	0 U	5 U		0 U	0 U	0 U
Bromochloromethane	90	90													
Bromodichloromethane	80	80		0.12				50 U	0 U	0 U	5 U	10 U	0 U	0 U	0 U
Bromoform	80	80		8.5	10 U	10 U		50 U			5 U	10 U			
Bromomethane	10	10		8.7	25 U	25 U		100 U			5 U	20 U			
Carbon Disulfide	1500	6200		1000				50 U	0 U	0 U	50 U		0 U	0 U	
Carbon Tetrachloride	5	5	5	0.44	500 U	200 U		50 U	0 U	0 U	6	10 U	5.1	3.1	1.8
Chlorobenzene	100	100	100	91	5 U	5 U		50 U	0 U	0 U	5 U	20 U	0 U	0 U	0 U
Chlorodibromomethane	80	80		0.15	1000 U	500 U		50 U			5 U	10 U			
Chloroethane	230	900		21000	5 U	5 U		100 U	0 U	0 U	5 U	20 U	0 U	0 U	0 U
Chloroform	80	80		0.19	10	5		50 U	0 U	0 U	5 U	10 U	3.4	2.7	2.5
Chloromethane	30	30		190	25 U	25 U		100 U			5 U				
cis-1,2-Dichloroethene	70	70	70	73	680	560		1000		1000			812	706	
cis-1,3-Dichloropropene	6.6	26		0.43	5 U	5 U		50 U			5 U	10 U			
Ethylbenzene	700	700	700	1.5	5 U	5 U		50 U	0 U	0 U	5 U		0 U	0 U	0 U
Isopropylbenzene	840	3500		680											
Methyl tert-butyl ether	20	20		12											
Methylene chloride	5	5		4.8	10 U	10 U		100 U	0 U	0 U	5 U	10 U	0 U	0 U	0 U
Naphthalene	100	100		0.14											

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

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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-51S 10/4/1991	MW-51S 11/1/1991	MW-51S 11/2/1995	MW-51S 7/16/1996	MW-51S 10/20/1997	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
Styrene	100	100	100	1600				50 U			5 U				
Tetrachloroethene	5	5	5	0.11	5500	2600	1100	1900	2000	1100	760	990	1380	1660	1070
Toluene	1000	1000	1000	2300	10 U	10 U		50 U	0 U	0 U	5 U		0 U	0 U	0 U
trans-1,2-Dichloroethene	100	100	100	110			480	50 U	0 U	0 U		10 U	3.6	1.8	1.7
trans-1,3-Dichloropropene	6.6	26		0.43				50 U			5 U	10 U			
Trichloroethene	5	5	5	2	23000	12000	3000	6700	6200	3900	2200	2500	2950	2600	1920
Vinyl Acetate	420	1800		410				500 U							
Vinyl Chloride	2	2	2	0.016	20	15		100 U	0 U	33	28	10 U	31	33	14.7
VOC Library Search											0 U				
Xylenes (Total)	10000	10000	10000	200				250 U	0 U	0 U	5 U		0 U	0 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 2.4-3
Groundwater Data Summary - VOC 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-51S 6/10/2004	MW-51S 8/4/2004	MW-51S 6/17/2005	MW-51S 6/24/2006	MW-51S 6/29/2007	MW-51S Dup 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
TOTAL VOC															
				729	5331	4682	3375	3567	3682	3770	2724	2413	3475	296	315
Volatile Organic Compound															
1,1,1,2-Tetrachloroethane	70	70		0.52							75 U	75 U	75 U	100 U	
1,1,1-Trichloroethane	200	200	200	9100	13 J	280	290	100	82	94	54 J	38 J	37 J	43 J	1
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	5 U	20 U	20 U	62 U	62 U	75 U	75 U	75 U	75 U	100 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	15 U	60 U	60 U	62 U	62 U	75 U	75 U	75 U	75 U	100 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300											
1,1,2-Trichlorotrifluoroethane	63000	170000		59000											1 U
1,1-Dichloroethane	31	160		2.4	37	39 J	28 J	62 U	62 U	75 U	75 U	75 U	75 U	14 J	51
1,1-Dichloroethene	7	7	7	340	24	320	200	110	100	110	89	63 J	59 J	68 J	1
1,2,4-Trimethylbenzene	15	62		15											
1,2-Dibromoethane	0.05	0.05	0.05	0.0065							75 U	75 U	75 U	100 U	
1,2-Dichloroethane	5	5	5	0.15	10 U	40 U	40 U	62 U	62 U	75 U	75 U	75 U	75 U	100 U	1 U
1,2-Dichloroethene	70	70	70	330											
1,2-Dichloropropane	5	5	5	0.39	5 U	20 U	20 U	62 U	62 U	75 U	75 U	75 U	75 U	100 U	1 U
1,3,5-Trimethylbenzene	13	53		370											
1,3-Dichlorobenzene	600	600													
1,3-Dichloropropene	6.6	26		0.43											
1,4-Dioxane	6.4	32		0.67	5000 U	20000 U	20000 U	12000 U	12000 U	15000 U	15000 U	15000 U	15000 U	20000 U	
2-Butanone	4000	4000		7100	25 U	100 U	100 U	62 U	62 U	75 U	750 U	750 U	750 U	1000 U	
2-Chloroethyl Vinyl Ether					25 U	100 U	100 U	120 U	120 U	150 U					10 U
2-Hexanone	11	44		47							750 U	750 U	750 U	1000 U	
4-Methyl-2-Pentanone	2900	8200		2000							750 U	750 U	750 U	1000 U	
Acetone	33000	92000		22000							750 U	750 U	750 U	1000 U	
Acrolein	0.042	0.18		0.042	500 U	2000 U	2000 U	1200 U	1200 U	1500 U					
Acrylonitrile	0.72	3.7		0.045	250 U	1000 U	1000 U	1200 U	1200 U	1500 U	1500 U	1500 U	1500 U	2000 U	
Benzene	5	5	5	0.41	5 U	20 U	20 U	62 U	62 U	75 U	75 U	75 U	75 U	100 U	2 U
Bromochloromethane	90	90									75 U	75 U	75 U	100 U	
Bromodichloromethane	80	80		0.12	5 U	20 U	20 U	62 U	62 U	75 U	75 U	75 U	75 U	100 U	
Bromoform	80	80		8.5	20 U	80 U	80 U	62 U	62 U	75 U	75 U	75 U	75 U	100 U	2 U
Bromomethane	10	10		8.7	25 U	100 U	100 U	62 U	62 U	75 U	75 U	75 U	75 U	100 U	5 U
Carbon Disulfide	1500	6200		1000							75 U	75 U	75 U	120 B	
Carbon Tetrachloride	5	5	5	0.44	10 U	40 U	40 U	62 U	62 U	75 U	75 U	75 U	75 U	100 U	2
Chlorobenzene	100	100	100	91	25 U	100 U	100 U	62 U	62 U	75 U	75 U	75 U	75 U	100 U	1 U
Chlorodibromomethane	80	80		0.15	25 U	100 U	100 U	62 U	62 U	75 U	75 U	75 U	75 U	100 U	2 U
Chloroethane	230	900		21000	25 U	100 U	100 U	62 U	62 U	75 U	75 U	75 U	75 U	100 U	1 U
Chloroform	80	80		0.19	25 U	100 U	100 U	62 U	62 U	75 U	75 U	75 U	75 U	100 U	5 U
Chloromethane	30	30		190	25 U	100 U	100 U	62 U	62 U	75 U	75 U	75 U	75 U	100 U	5 U
cis-1,2-Dichloroethene	70	70	70	73	380	1100	910	760	660	750	600	510	460	600	90
cis-1,3-Dichloropropene	6.6	26		0.43	25 U	100 U	100 U	62 U	62 U	75 U	75 U	75 U	75 U	100 U	1 U
Ethylbenzene	700	700	700	1.5	20 U	80 U	80 U	62 U	62 U	75 U	75 U	75 U	75 U	100 U	1 U
Isopropylbenzene	840	3500		680											
Methyl tert-butyl ether	20	20		12							75 U	75 U	75 U	100 U	
Methylene chloride	5	5		4.8	15 U	60 U	60 U	62 U	62 U	75 U	27 J	75 U	40 J B	100 U	2 U
Naphthalene	100	100		0.14											

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 2.4-3
Groundwater Data Summary - VOC Analyses
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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-51S 6/10/2004	MW-51S 8/4/2004	MW-51S 6/17/2005	MW-51S 6/24/2006	MW-51S 6/29/2007	MW-51S Dup 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
Styrene	100	100	100	1600							75 U	75 U	75 U	100 U	
Tetrachloroethene	5	5	5	0.11	34	920	1100	970	1300	1100	1600	990	950	1400	6
Toluene	1000	1000	1000	2300	25 U	100 U	100 U	62 U	62 U	75 U	75 U	75 U	75 U	100 U	2 U
trans-1,2-Dichloroethene	100	100	100	110	25 U	100 U	100 U	62 U	62 U	75 U	75 U	75 U	75 U	100 U	
trans-1,3-Dichloropropene	6.6	26		0.43	25 U	100 U	100 U	62 U	62 U	75 U	75 U	75 U	75 U	100 U	
Trichloroethene	5	5	5	2	520	2600	2100	1400	1400	1600	1400	1100	840	1200	100
Vinyl Acetate	420	1800		410											
Vinyl Chloride	2	2	2	0.016	10 J	72 J	54 J	35 J	25 J	28 J	75 U	23 J	27 J	30 J	45
VOC Library Search															
Xylenes (Total)	10000	10000	10000	200							220 U	220 U	220 U	300 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 2.4-3
Groundwater Data Summary - VOC 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-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	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
TOTAL VOC																
				729	1	0	0.85	11.09	0	0	0	0	0	0	41750	36004
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52				1 U	1 U					1 U	1 U	
1,1,1-Trichloroethane	200	200	200	9100	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	30000
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	250 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	250 U
1,1,2-Trichlorofluoromethane	2000	2000		1300			1 U						1 U			
1,1,2-Trichlorotrifluoroethane	63000	170000		59000	1 U					1 U	1 U					
1,1-Dichloroethane	31	160		2.4	71	1	1 U	0.3 J	2.9	1 U	1 U	1 U	1 U	1 U	1 U	750
1,1-Dichloroethene	7	7	7	340	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10000
1,2,4-Trimethylbenzene	15	62		15										1 U	1 U	
1,2-Dibromoethane	0.05	0.05	0.05	0.0065				1 U	1 U					1 U	1 U	
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	250 U
1,2-Dichloroethene	70	70	70	330		1 U						1 U				
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	250 U
1,3,5-Trimethylbenzene	13	53		370										1 U	1 U	
1,3-Dichlorobenzene	600	600					2 U						2 U			
1,3-Dichloropropene	6.6	26		0.43												
1,4-Dioxane	6.4	32		0.67				200 U	200 U					200 U	200 U	
2-Butanone	4000	4000		7100		20 U		10 U	10 U			20 U		10 U	10 U	2500 U
2-Chloroethyl Vinyl Ether					10 U		1 U			10 U	10 U		1 U			250 U
2-Hexanone	11	44		47		20 U		10 U	10 U			20 U		10 U	10 U	2500 U
4-Methyl-2-Pentanone	2900	8200		2000		10 U		10 U	10 U			10 U		10 U	10 U	2500 U
Acetone	33000	92000		22000		20 U		10 U	10 U			20 U		10 U	10 U	2500 U
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045				20 U	20 U					20 U	20 U	
Benzene	5	5	5	0.41	2 U	1 U		1 U	0.57 J	2 U	2 U	1 U		1 U	1 U	250 U
Bromochloromethane	90	90						1 U	1 U					1 U	1 U	
Bromodichloromethane	80	80		0.12		1 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	250 U
Bromoform	80	80		8.5	2 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U	250 U
Bromomethane	10	10		8.7	5 U	1 U	2 U	1 U	1 U	5 U	5 U	1 U	2 U	1 U	1 U	500 U
Carbon Disulfide	1500	6200		1000		10 U		1 U	1 U			10 U		1 U	1 U	250 U
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	500 U
Chlorobenzene	100	100	100	91	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U	2500 U
Chlorodibromomethane	80	80		0.15	2 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U	
Chloroethane	230	900		21000	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U	500 U
Chloroform	80	80		0.19	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	250 U
Chloromethane	30	30		190	5 U	1 U		1 U	1 U	5 U	5 U	1 U		1 U	1 U	250 U
cis-1,2-Dichloroethene	70	70	70	73	100			0.2 J	2.9	1 U	1 U			1 U	1 U	250 U
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	250 U
Ethylbenzene	700	700	700	1.5	1 U	1 U		1 U	1 U	1 U	1 U	1 U		1 U	1 U	250 U
Isopropylbenzene	840	3500		680										1 U	1 U	
Methyl tert-butyl ether	20	20		12				1 U	0.42 J					1 U	1 U	
Methylene chloride	5	5		4.8	2 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U	500 U
Naphthalene	100	100		0.14										1 U	1 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 2.4-3
Groundwater Data Summary - VOC 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-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	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
Styrene	100	100	100	1600		1 U		1 U	1 U			1 U		1 U	1 U	250 U
Tetrachloroethene	5	5	5	0.11	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	250 U
Toluene	1000	1000	1000	2300	20 U	1 U		1 U	1 U	2 U	2 U	1 U		1 U	1 U	250 U
trans-1,2-Dichloroethene	100	100	100	110			1 U	1 U	1 U				1 U	1 U	1 U	250 U
trans-1,3-Dichloropropene	6.6	26		0.43		1 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	250 U
Trichloroethene	5	5	5	2	78	1 U	1 U	0.23 J	2.1	1 U	1 U	1 U	1 U	1 U	1 U	1000
Vinyl Acetate	420	1800		410												2500 U
Vinyl Chloride	2	2	2	0.016	57	1 U	1 U	0.12 J	2.2	1 U	1 U	1 U	1 U	1 U	1 U	500 U
VOC Library Search						0 U						0 U				
Xylenes (Total)	10000	10000	10000	200		1 U		3 U	3 U			1 U		3 U	3 U	1250 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 2.4-3
Groundwater Data Summary - VOC 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 11/1/1995	MW-54 7/17/1996	MW-54 10/23/1997	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 6/6/2003	MW-54 6/9/2004	MW-54 6/21/2005	MW-54 6/23/2006
TOTAL VOC																
				729	3750	3618	2740.6	1099	1046	896.7	4265.8	617.9	570.2	2324.9	677.8	768.6
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52												
1,1,1-Trichloroethane	200	200	200	9100	29000 B	1400	1600	760	150	60	108	187	23.8	19	21 J	12 J
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067		20 U			5 U	10 U				2 U	5 U	25 U
1,1,2-Trichloroethane	5	5	5	0.24	50	20 U	0 U	6.6	5 U	10 U	2.5	0 U	0 U	6 U	16	7.1 J
1,1,2-Trichlorofluoromethane	2000	2000		1300						10 U						
1,1,2-Trichlorotrifluoroethane	63000	170000		59000												
1,1-Dichloroethane	31	160		2.4	1000	70	160	150	27	11	26	68	14.5	14	26	21 J
1,1-Dichloroethene	7	7	7	340	4900	690	1000	750	190	99	47	2840	74.2	120	64	110
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0065												
1,2-Dichloroethane	5	5	5	0.15	100	20 U	0 U	20	5 U	10 U	2.7	8.8	0 U	8.7	21	8.7 J
1,2-Dichloroethene	70	70	70	330					160							
1,2-Dichloropropane	5	5	5	0.39		20 U			5 U	10 U				2 U	5 U	25 U
1,3,5-Trimethylbenzene	13	53		370												
1,3-Dichlorobenzene	600	600								20 U						
1,3-Dichloropropene	6.6	26		0.43												
1,4-Dioxane	6.4	32		0.67										2000 U	1700 J	5000 U
2-Butanone	4000	4000		7100		400 U			100 U					10 U	25 U	25 U
2-Chloroethyl Vinyl Ether						200 U				10 U				10 U	25 U	50 U
2-Hexanone	11	44		47		200 U			100 U							
4-Methyl-2-Pentanone	2900	8200		2000		200 U			50 U							
Acetone	33000	92000		22000		400 U	0 U	0 U	100 U		0 U	0 U				
Acrolein	0.042	0.18		0.042										200 U	500 U	500 U
Acrylonitrile	0.72	3.7		0.045										100 U	250 U	500 U
Benzene	5	5	5	0.41		20 U	0 U	0 U	5 U		0 U	0 U	0 U	1.6 J	5 U	25 U
Bromochloromethane	90	90														
Bromodichloromethane	80	80		0.12		20 U	0 U	0 U	5 U	10 U	0 U	0 U	0 U	2 U	5 U	25 U
Bromoform	80	80		8.5		20 U			5 U	10 U				8 U	20 U	25 U
Bromomethane	10	10		8.7		40 U			5 U	20 U				10 U	25 U	25 U
Carbon Disulfide	1500	6200		1000		20 U	0 U	0 U	50 U		0 U	0 U				
Carbon Tetrachloride	5	5	5	0.44		20 U	0 U	0 U	5 U	10 U	0 U	0 U	0 U	4 U	10 U	25 U
Chlorobenzene	100	100	100	91		20 U	0 U	0 U	5 U	20 U	0 U	0 U	0 U	10 U	25 U	25 U
Chlorodibromomethane	80	80		0.15		20 U			5 U	10 U				10 U	25 U	25 U
Chloroethane	230	900		21000		40 U	0 U	0 U	5 U	20 U	0 U	0 U	0 U	10 U	25 U	25 U
Chloroform	80	80		0.19	14	20 U	0 U	11	5 U	10 U	2.6	19	0 U	2.7 J	4.8 J	25 U
Chloromethane	30	30		190		40 U			5 U					10 U	25 U	25 U
cis-1,2-Dichloroethene	70	70	70	73		360		260			165	113		68	88	100
cis-1,3-Dichloropropene	6.6	26		0.43		20 U			5 U	10 U				10 U	25 U	25 U
Ethylbenzene	700	700	700	1.5		20 U	0 U	0 U	5 U		0 U	0 U	0 U	8 U	20 U	25 U
Isopropylbenzene	840	3500		680												
Methyl tert-butyl ether	20	20		12												
Methylene chloride	5	5		4.8		40 U	0 U	0 U	5 U	10 U	0 U	20	0 U	6 U	15 U	25 U
Naphthalene	100	100		0.14												

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 2.4-3
Groundwater Data Summary - VOC 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 11/1/1995	MW-54 7/17/1996	MW-54 10/23/1997	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 6/6/2003	MW-54 6/9/2004	MW-54 6/21/2005	MW-54 6/23/2006
Styrene	100	100	100	1600		20 U			5 U							
Tetrachloroethene	5	5	5	0.11	60	130	68	43	62	96	136	45	77.4	34	39	29
Toluene	1000	1000	1000	2300		20 U	0 U	0 U	5 U		0 U	0 U	0 U	10 U	25 U	25 U
trans-1,2-Dichloroethene	100	100	100	110		20 U	0 U	0 U		10 U	1.9	0 U	0 U	10 U	5.1 J	25 U
trans-1,3-Dichloropropene	6.6	26		0.43		20 U			5 U	10 U				10 U	25 U	25 U
Trichloroethene	5	5	5	2	880	1100	790	740	510	780	405	965	428	300	340	390
Vinyl Acetate	420	1800		410		200 U										
Vinyl Chloride	2	2	2	0.016		40 U	0 U	0 U	5 U	10 U	0 U	0 U	0 U	2.2 J	25 U	25 U
VOC Library Search									0 U							
Xylenes (Total)	10000	10000	10000	200		100 U	0 U	0 U	5 U		0 U	0 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 2.4-3
Groundwater Data Summary - VOC 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 6/27/2007	MW-54 5/27/2008	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 7/9/2010	MW-56 11/19/1993	MW-56 10/27/1995	MW-56 9/30/1999
TOTAL VOC																
				729	929	697.7	926	7100	16774	4508	3467	3427	789	755	294	161.75
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52		50 U	25 U	50 U			200 U	200 U	100 U			
1,1,1-Trichloroethane	200	200	200	9100	17 J	13 J	11 J	50 U	2400	8400	200 U	200 U	100 U	46	48	8
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	25 U	50 U	25 U	50 U	50 U	10 U	200 U	200 U	100 U		5 U	5 U
1,1,2-Trichloroethane	5	5	5	0.24	4.2 J	50 U	25 U	50 U	50 U	10 U	200 U	200 U	100 U		5 U	5 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1,2-Trichlorotrifluoroethane	63000	170000		59000						1 U					1 U	
1,1-Dichloroethane	31	160		2.4	21 J	13 J	13 J	17 J	50	130	200 U	52 J	46 J	17	22	20
1,1-Dichloroethene	7	7	7	340	110	97	100	100	4200	7100	3000	2500	2500	16	10	5 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0065		50 U	25 U	50 U			200 U	200 U	100 U			
1,2-Dichloroethane	5	5	5	0.15	6.4 J	50 U	25 U	50 U	50 U	16	200 U	200 U	100 U		1 U	5 U
1,2-Dichloroethene	70	70	70	330						78					100	120
1,2-Dichloropropane	5	5	5	0.39	25 U	50 U	25 U	50 U	50 U	1 U	200 U	200 U	100 U		1 U	5 U
1,3,5-Trimethylbenzene	13	53		370												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.43						1 U					1 U	
1,4-Dioxane	6.4	32		0.67	5000 U	10000 U	5000 U	10000 U			40000 U	40000 U	20000 U			
2-Butanone	4000	4000		7100	25 U	500 U	250 U	500 U	500 U		2000 U	2000 U	1000 U			20 U
2-Chloroethyl Vinyl Ether					50 U				500 U	10 U					10 U	
2-Hexanone	11	44		47		500 U	250 U	500 U	500 U		2000 U	2000 U	1000 U			20 U
4-Methyl-2-Pentanone	2900	8200		2000		500 U	250 U	500 U	500 U		2000 U	2000 U	1000 U			10 U
Acetone	33000	92000		22000		500 U	250 U	500 U	500 U		2000 U	2000 U	1000 U			20 U
Acrolein	0.042	0.18		0.042	500 U											
Acrylonitrile	0.72	3.7		0.045	500 U	1000 U	500 U	1000 U			4000 U	4000 U	2000 U			
Benzene	5	5	5	0.41	25 U	50 U	25 U	50 U	50 U	20 U	200 U	200 U	100 U		10 U	5 U
Bromochloromethane	90	90				50 U	25 U	50 U			200 U	200 U	100 U			
Bromodichloromethane	80	80		0.12	25 U	50 U	25 U	50 U	50 U	50 U	200 U	200 U	100 U		2 U	5 U
Bromoform	80	80		8.5	25 U	50 U	25 U	50 U	50 U	2 U	200 U	200 U	100 U		2 U	5 U
Bromomethane	10	10		8.7	25 U	50 U	25 U	50 U	100 U	5 U	200 U	200 U	100 U		5 U	5 U
Carbon Disulfide	1500	6200		1000		50 U	25 U	50 U	50 U		200 U	200 U	43 J			10 U
Carbon Tetrachloride	5	5	5	0.44	25 U	50 U	25 U	50 U	50 U	100 U	200 U	200 U	100 U		1 U	5 U
Chlorobenzene	100	100	100	91	25 U	50 U	25 U	50 U	50 U	1 U	200 U	200 U	100 U		1 U	5 U
Chlorodibromomethane	80	80		0.15	25 U	50 U	25 U	50 U		20 U	200 U	200 U	100 U		10 U	5 U
Chloroethane	230	900		21000	25 U	50 U	25 U	50 U	100 U	1 U	200 U	200 U	100 U		1 U	5 U
Chloroform	80	80		0.19	25 U	50 U	25 U	50 U	50 U	25	24 J	200 U	100 U		1 U	5 U
Chloromethane	30	30		190	25 U	50 U	25 U	50 U	100 U	5 U	200 U	200 U	100 U		5 U	5 U
cis-1,2-Dichloroethene	70	70	70	73	150	160	110	140	50 U		130 J	78 J	69 J	200		
cis-1,3-Dichloropropene	6.6	26		0.43	25 U	50 U	25 U	50 U	50 U		200 U	200 U	100 U			5 U
Ethylbenzene	700	700	700	1.5	25 U	50 U	25 U	50 U	50 U	1 U	200 U	200 U	100 U		1 U	5 U
Isopropylbenzene	840	3500		680												
Methyl tert-butyl ether	20	20		12		50 U	25 U	50 U			200 U	200 U	100 U			
Methylene chloride	5	5		4.8	25 U	21 J	9.7 J	20 J	100 U	2 U	86 J	87 J	100 U		2 U	5 U
Naphthalene	100	100		0.14												

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 2.4-3
Groundwater Data Summary - VOC 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 6/27/2007	MW-54 5/27/2008	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 7/9/2010	MW-56 11/19/1993	MW-56 10/27/1995	MW-56 9/30/1999
Styrene	100	100	100	1600		50 U	25 U	50 U	50 U		200 U	200 U	100 U			5 U
Tetrachloroethene	5	5	5	0.11	50	75	54	79	50 U	35	68 J	200 U	29 J	6	5	5 U
Toluene	1000	1000	1000	2300	25 U	50 U	25 U	50 U	50 U	2 U	200 U	200 U	100 U		2 U	5 U
trans-1,2-Dichloroethene	100	100	100	110	25 U	50 U	25 U	50 U	50 U		200 U	200 U	100 U			
trans-1,3-Dichloropropene	6.6	26		0.43	25 U	50 U	25 U	50 U	50 U		200 U	200 U	100 U			5 U
Trichloroethene	5	5	5	2	410	550	400 J	570	450	990	1200	750 J	740	500	570	140
Vinyl Acetate	420	1800		410					500 U							
Vinyl Chloride	2	2	2	0.016	25 U	50 U	25 U	50 U	100 U	1 U	200 U	200 U	100 U	4	1 U	6
VOC Library Search																0 U
Xylenes (Total)	10000	10000	10000	200		150 U	75 U	150 U	250 U		600 U	600 U	300 U			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 2.4-3
Groundwater Data Summary - VOC 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 3/20/2000	MW-56 3/30/2000	MW-56 5/7/2008	MW-57 11/19/1993	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-58 11/24/1993	MW-59 5/26/1995	MW-59 9/21/1999
TOTAL VOC																
				729	158.3	10.57	355	195	444	100.6	649.3	235.6	4660	943	401	351
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52			1 U					12 U	12 U			
1,1,1-Trichloroethane	200	200	200	9100	5.42	5.4	1 U	1 U	2	14	2.4	6.9 J	12 U		10	5 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067		1 U	1 U	1 U	10 U	5 U	1 U	12 U	12 U			5 U
1,1,2-Trichloroethane	5	5	5	0.24	0 U	1 U	1 U	1 U	1 U	5 U	1 U	12 U	12 U		5	5 U
1,1,2-Trichlorofluoromethane	2000	2000		1300		1 U					1 U					
1,1,2-Trichlorotrifluoroethane	63000	170000		59000					1 U							
1,1-Dichloroethane	31	160		2.4	24.6	25	0.37 J	5	4	5 U	1 U	2.7 J	12 U			5 U
1,1-Dichloroethene	7	7	7	340	4.55	4.6	1 U	110	49	32	7.9	35	16		11	5 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0065			1 U					12 U	12 U			
1,2-Dichloroethane	5	5	5	0.15	0 U	1 U	1 U	1 U	1 U	5 U	1 U	12 U	12 U		5	5 U
1,2-Dichloroethene	70	70	70	330					8	84						110
1,2-Dichloropropane	5	5	5	0.39		1 U	1 U	1 U	1 U	5 U	1 U	12 U	12 U			5 U
1,3,5-Trimethylbenzene	13	53		370												
1,3-Dichlorobenzene	600	600				2 U					2 U					
1,3-Dichloropropene	6.6	26		0.43					1 U							
1,4-Dioxane	6.4	32		0.67			200 U					2500 U	2500 U			
2-Butanone	4000	4000		7100			10 U	10 U		100 U		120 U	120 U			100 U
2-Chloroethyl Vinyl Ether						1 U		10 U	10 U		1 U					
2-Hexanone	11	44		47			10 U	10 U		100 U		120 U	120 U			100 U
4-Methyl-2-Pentanone	2900	8200		2000			10 U	10 U		50 U		120 U	120 U			50 U
Acetone	33000	92000		22000			10 U	10 U		100 U		120 U	120 U		50	100 U
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045			20 U					250 U	250 U			
Benzene	5	5	5	0.41			1 U	1 U	2 U	5 U		12 U	12 U		5	5 U
Bromochloromethane	90	90					1 U					12 U	12 U			
Bromodichloromethane	80	80		0.12		1 U	1 U	1 U	2 U	5 U	1 U	12 U	12 U		5	5 U
Bromoform	80	80		8.5		1 U	1 U	1 U	2 U	5 U	1 U	12 U	12 U			5 U
Bromomethane	10	10		8.7		2 U	1 U	2 U	5 U	5 U	2 U	2.3 J	12 U			5 U
Carbon Disulfide	1500	6200		1000			1 U	1 U		50 U		12 U	12 U		5	50 U
Carbon Tetrachloride	5	5	5	0.44	0 U	1 U	1 U	1 U	1 U	5 U	1 U	12 U	12 U		5	5 U
Chlorobenzene	100	100	100	91		2 U	1 U	1 U	1 U	5 U	2 U	12 U	12 U		5	5 U
Chlorodibromomethane	80	80		0.15		1 U	1 U		2 U	5 U	1 U	12 U	12 U			5 U
Chloroethane	230	900		21000		2 U	1 U	2 U	1 U	5 U	2 U	12 U	12 U		10	5 U
Chloroform	80	80		0.19	0 U	1 U	1 U	3	1	5 U	2.6	3.5 J	12 U		7	5 U
Chloromethane	30	30		190			1 U	2 U	5 U	5 U		12 U	12 U			5 U
cis-1,2-Dichloroethene	70	70	70	73			1.4	7				160	59	260	150	
cis-1,3-Dichloropropene	6.6	26		0.43		1 U	1 U	1 U		5 U	1 U	12 U	12 U			5 U
Ethylbenzene	700	700	700	1.5			1 U	1 U	1 U	5 U		12 U	12 U		5	5 U
Isopropylbenzene	840	3500		680												
Methyl tert-butyl ether	20	20		12			1 U					12 U	12 U			
Methylene chloride	5	5		4.8	0 U	1 U	1 U	2 U	2 U	5 U	1 U	5.9 J	4.5 J		10	5 U
Naphthalene	100	100		0.14												

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 2.4-3
Groundwater Data Summary - VOC 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 3/20/2000	MW-56 3/30/2000	MW-56 5/7/2008	MW-57 11/19/1993	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-58 11/24/1993	MW-59 5/26/1995	MW-59 9/21/1999
Styrene	100	100	100	1600			1 U	1 U		5 U		12 U	12 U			5 U
Tetrachloroethene	5	5	5	0.11	1.28	1.3	5.5	60	21	14	3.7	13	6.1 J	500	130	81
Toluene	1000	1000	1000	2300			1 U	1 U	2 U	5 U		12 U	12 U		5	5 U
trans-1,2-Dichloroethene	100	100	100	110	0 U	1 U	1 U	1 U			1 U	12 U	12 U		5	
trans-1,3-Dichloropropene	6.6	26		0.43		1 U	1 U	1 U		5 U	1 U	12 U	12 U			5 U
Trichloroethene	5	5	5	2	104	100	3.3	170	110	300	84	420	150	3900	490	210
Vinyl Acetate	420	1800		410				10 U								
Vinyl Chloride	2	2	2	0.016	21.9	22	1 U	2 U	1 U	5 U	1 U	12 U	12 U			5 U
VOC Library Search										0 U						0 U
Xylenes (Total)	10000	10000	10000	200			3 U	5 U		5 U		38 U	38 U		25	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 2.4-3
Groundwater Data Summary - VOC 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-59 4/4/2000	MW-60 5/26/1995	MW-60 8/15/1995	MW-60 9/29/1999	MW-60 4/4/2000	MW-61D 10/27/1995	MW-61D 12/29/1995	MW-61D 9/27/1999	MW-61D 3/23/2000	MW-61S 10/27/1995	MW-61S 12/29/1995
TOTAL VOC															
				729	21289	9054	4487	1259	32	20	5	7.3	4	2	
Volatile Organic Compound															
1,1,1,2-Tetrachloroethane	70	70		0.52											
1,1,1-Trichloroethane	200	200	200	9100	3.6		58	23	10 U	3	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U			5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	20		5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300	1 U				10 U				1 U		
1,1,2-Trichlorotrifluoroethane	63000	170000		59000											
1,1-Dichloroethane	31	160		2.4	4.8	99	56	20	14	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	14	260	220	71	47	3	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	15	62		15											
1,2-Dibromoethane	0.05	0.05	0.05	0.0065											
1,2-Dichloroethane	5	5	5	0.15	1 U	20		5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330				2300				1 U			
1,2-Dichloropropane	5	5	5	0.39	1 U			5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	13	53		370											
1,3-Dichlorobenzene	600	600			2 U				20 U				2 U		
1,3-Dichloropropene	6.6	26		0.43											
1,4-Dioxane	6.4	32		0.67											
2-Butanone	4000	4000		7100				100 U		10 U	10 U	20 U		10 U	10 U
2-Chloroethyl Vinyl Ether					1 U				10 U	10 U	10 U		1 U	10 U	10 U
2-Hexanone	11	44		47				100 U		10 U	10 U	20 U		10 U	10 U
4-Methyl-2-Pentanone	2900	8200		2000				50 U		10 U	10 U	10 U		10 U	10 U
Acetone	33000	92000		22000		200		100 U		10 U	10 U	20 U		10 U	10 U
Acrolein	0.042	0.18		0.042											
Acrylonitrile	0.72	3.7		0.045											
Benzene	5	5	5	0.41		20		5 U		1 U	1 U	1 U		1 U	1 U
Bromochloromethane	90	90													
Bromodichloromethane	80	80		0.12	1 U	20		5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	80	80		8.5	1 U			5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	10	10		8.7	2 U			5 U	20 U	2 U	2 U	1 U	2 U	2 U	2 U
Carbon Disulfide	1500	6200		1000		20		50 U		1 U	1 U	10 U		1 U	1 U
Carbon Tetrachloride	5	5	5	0.44	1 U	20		5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	91	2 U	20		5 U	20 U	2	1 U	1 U	2 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	1 U			5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	230	900		21000	2 U	40		5 U	20 U	2 U	2 U	1 U	2 U	2 U	2 U
Chloroform	80	80		0.19	1.5		0 U	5 U	10 U	6	6	1 U	1 U	1 U	1 U
Chloromethane	30	30		190				5 U		2 U	2 U	1 U		2 U	2 U
cis-1,2-Dichloroethene	70	70	70	73		8400									
cis-1,3-Dichloropropene	6.6	26		0.43	1 U			5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5		20		5 U		1 U	1 U	1 U		1 U	1 U
Isopropylbenzene	840	3500		680											
Methyl tert-butyl ether	20	20		12											
Methylene chloride	5	5		4.8	1 U	40		5 U	10 U	2 U	2 U	1 U	1 U	2 U	2 U
Naphthalene	100	100		0.14											

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 2.4-3
Groundwater Data Summary - VOC 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-59 4/4/2000	MW-60 5/26/1995	MW-60 8/15/1995	MW-60 9/29/1999	MW-60 4/4/2000	MW-61D 10/27/1995	MW-61D 12/29/1995	MW-61D 9/27/1999	MW-61D 3/23/2000	MW-61S 10/27/1995	MW-61S 12/29/1995
Styrene	100	100	100	1600				5 U		1 U	1 U	1 U		1 U	1 U
Tetrachloroethene	5	5	5	0.11	76	1800	1700	330	210	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	1000	1000	1000	2300		20		5 U		2	1 U	1 U		1 U	1 U
trans-1,2-Dichloroethene	100	100	100	110	1.1	20			10 U	1 U	1 U		1 U	1 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.43	1 U			5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	5	5	2	250	10000	6800	1700	970	16	14	5	7.3	4	2
Vinyl Acetate	420	1800		410						10 U	10 U			10 U	10 U
Vinyl Chloride	2	2	2	0.016	1 U	150	220	43	18	2 U	2 U	1 U	1 U	2 U	2 U
VOC Library Search								0 U				0 U			
Xylenes (Total)	10000	10000	10000	200		100		5 U		5 U	5 U	1 U		5 U	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 2.4-3
Groundwater Data Summary - VOC 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-61S 9/27/1999	MW-61S 3/22/2000	MW-62D 10/27/1995	MW-62D 12/29/1995	MW-62S 10/27/1995	MW-62S 12/29/1995	MW-63D 10/27/1995	MW-63D 12/29/1995	MW-63S 10/27/1995	MW-63S 12/28/1995	MW-64D 10/27/1995	MW-64D 12/28/1995
TOTAL VOC																
				0	0	966	1141	662	625	1010	1080	1795	1678	2170	2470	2950
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52												
1,1,1-Trichloroethane	200	200	200	9100	1 U	1 U	75	84	30	33	46	40	110	95	10 U	10 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	5.0 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	1 U	5.0 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 U
1,1,2-Trichlorofluoromethane	2000	2000		1300		1 U										
1,1-Dichloroethane	31	160		2.4	1 U	1 U	5.0 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 U
1,1-Dichloroethene	7	7	7	340	1 U	1 U	35	39	10	11	17	25	42	46	10 U	10 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0065												
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	5.0 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 U
1,2-Dichloroethene	70	70	70	330	1 U											
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	5.0 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 U
1,3,5-Trimethylbenzene	13	53		370												
1,3-Dichlorobenzene	600	600				2 U										
1,4-Dioxane	6.4	32		0.67												
2-Butanone	4000	4000		7100	20 U		50 U	100 U	100 U	100 U	100 U	100 U	100 U	200 U	100 U	100 U
2-Chloroethyl Vinyl Ether						1 U	50 U	100 U	100 U	100 U	100 U	100 U	100 U	200 U	100 U	100 U
2-Hexanone	11	44		47	20 U		50 U	100 U	100 U	100 U	100 U	100 U	100 U	200 U	100 U	100 U
4-Methyl-2-Pentanone	2900	8200		2000	10 U		50 U	100 U	100 U	100 U	100 U	100 U	100 U	200 U	100 U	100 U
Acetone	33000	92000		22000	20 U		50 U	100 U	100 U	100 U	100 U	100 U	100 U	200 U	100 U	100 U
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045												
Benzene	5	5	5	0.41	1 U		5.0 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 U
Bromochloromethane	90	90														
Bromodichloromethane	80	80		0.12	1 U	1 U	5.0 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 U
Bromoform	80	80		8.5	1 U	1 U	5.0 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 U
Bromomethane	10	10		8.7	1 U	2 U	10 U	20 U	20 U	20 U	20 U	20 U	20 U	40 U	20 U	20 U
Carbon Disulfide	1500	6200		1000	10 U		5.0 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 U
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	5.0 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 U
Chlorobenzene	100	100	100	91	1 U	2 U	5.0 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 U
Chlorodibromomethane	80	80		0.15	1 U	1 U	5.0 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 U
Chloroethane	230	900		21000	1 U	2 U	10 U	20 U	20 U	20 U	20 U	20 U	20 U	40 U	20 U	20 U
Chloroform	80	80		0.19	1 U	1 U	5.0 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 U
Chloromethane	30	30		190	1 U		10 U	20 U	20 U	20 U	20 U	20 U	20 U	40 U	20 U	20 U
cis-1,2-Dichloroethene	70	70	70	73												
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	5.0 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 U
Dodecane																
Ethanol																
Ethylbenzene	700	700	700	1.5	1 U		5.0 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 U
Isopropylbenzene	840	3500		680												
Methyl tert-butyl ether	20	20		12												
Methylene chloride	5	5		4.8	1 U	1 U	10 U	20 U	20 U	20 U	20 U	20 U	20 U	40 U	20 U	20 U
Naphthalene	100	100		0.14												

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 2.4-3
Groundwater Data Summary - VOC 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-61S 9/27/1999	MW-61S 3/22/2000	MW-62D 10/27/1995	MW-62D 12/29/1995	MW-62S 10/27/1995	MW-62S 12/29/1995	MW-63D 10/27/1995	MW-63D 12/29/1995	MW-63S 10/27/1995	MW-63S 12/28/1995	MW-64D 10/27/1995	MW-64D 12/28/1995
P-Xylene	10000	10000	10000	1200												
Styrene	100	100	100	1600	1 U		5.0 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 U
Tetrachloroethene	5	5	5	0.11	1 U	1 U	26	28	12	11	17	15	43	37	370	370
Toluene	1000	1000	1000	2300	1 U		5.0 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 U
trans-1,2-Dichloroethene	100	100	100	110		1 U	5.0 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 U
trans-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	5.0 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 U
Trichloroethene	5	5	5	2	1 U	1 U	830	990	610	570	930	1000	1600	1500	1800	2100
Vinyl Acetate	420	1800		410			50 U	100 U	100 U	100 U	100 U	100 U	100 U	200 U	100 U	100 U
Vinyl Chloride	2	2	2	0.016	1 U	1 U	10 U	20 U	20 U	20 U	20 U	20 U	20 U	40 U	20 U	20 U
VOC Library Search					0 U											
Xylenes (Total)	10000	10000	10000	200	1 U		25 U	50 U	50 U	50 U	50 U	50 U	50 U	100 U	50 U	50 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 2.4-3
Groundwater Data Summary - VOC 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 12/8/1998	MW-64D 9/17/1999	MW-64D 4/6/2000	MW-64D 6/25/2001	MW-64D 6/14/2002	MW-64D 6/5/2003	MW-64D 6/10/2004	MW-64D 6/21/2005	MW-64D 6/23/2006	MW-64D 6/28/2007	MW-64D 5/19/2008	MW-64D 9/29/2008
TOTAL VOC																
				0	1400	1870	1844	999	1583	1820	2190	916.5	960	1772	1600	967
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52											50 U	50 U
1,1,1-Trichloroethane	200	200	200	9100	0 U	1000 U	10 U	0 U	0 U	0 U	50 U	100 U	25 U	25 U	50 U	50 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067		1000 U	10 U				10 U	20 U	25 U	25 U	50 U	50 U
1,1,2-Trichloroethane	5	5	5	0.24	0 U	1000 U	10 U	0 U	0 U	0 U	30 U	60 U	25 U	25 U	50 U	50 U
1,1,2-Trichlorofluoromethane	2000	2000		1300			10 U									
1,1-Dichloroethane	31	160		2.4		1000 U	10 U	0 U	0 U	0 U	50 U	100 U	25 U	25 U	50 U	50 U
1,1-Dichloroethene	7	7	7	340		1000 U	10 U	0 U	0 U	0 U	20 U	40 U	25 U	25 U	50 U	50 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0065											50 U	50 U
1,2-Dichloroethane	5	5	5	0.15		1000 U	10 U	0 U	0 U	0 U	20 U	40 U	25 U	25 U	50 U	50 U
1,2-Dichloroethene	70	70	70	330		1000 U										
1,2-Dichloropropane	5	5	5	0.39		1000 U	10 U				10 U	20 U	25 U	25 U	50 U	50 U
1,3,5-Trimethylbenzene	13	53		370												
1,3-Dichlorobenzene	600	600					20 U									
1,4-Dioxane	6.4	32		0.67							10000 U	20000 U	5000 U	5000 U	10000 U	10000 U
2-Butanone	4000	4000		7100		2000 U					50 U	100 U	25 U	25 U	500 U	500 U
2-Chloroethyl Vinyl Ether							10 U				50 U	100 U	50 U	50 U		
2-Hexanone	11	44		47		2000 U									500 U	500 U
4-Methyl-2-Pentanone	2900	8200		2000		2000 U									500 U	500 U
Acetone	33000	92000		22000		2000 U		0 U	0 U						500 U	500 U
Acrolein	0.042	0.18		0.042							1000 U	2000 U	500 U	500 U		
Acrylonitrile	0.72	3.7		0.045							500 U	1000 U	500 U	500 U	1000 U	1000 U
Benzene	5	5	5	0.41		1000 U		0 U	0 U	0 U	10 U	20 U	25 U	25 U	50 U	50 U
Bromochloromethane	90	90													50 U	50 U
Bromodichloromethane	80	80		0.12		1000 U	10 U	0 U	0 U	0 U	10 U	20 U	25 U	25 U	50 U	50 U
Bromoform	80	80		8.5		1000 U	10 U				40 U	80 U	25 U	25 U	50 U	50 U
Bromomethane	10	10		8.7		1000 U	20 U				50 U	100 U	25 U	25 U	50 U	50 U
Carbon Disulfide	1500	6200		1000		1000 U		0 U	0 U						50 U	50 U
Carbon Tetrachloride	5	5	5	0.44		1000 U	10 U	0 U	0 U	0 U	20 U	40 U	25 U	25 U	50 U	50 U
Chlorobenzene	100	100	100	91		1000 U	20 U	0 U	0 U	0 U	50 U	100 U	25 U	25 U	50 U	50 U
Chlorodibromomethane	80	80		0.15		1000 U	10 U				50 U	100 U	25 U	25 U	50 U	50 U
Chloroethane	230	900		21000		1000 U	20 U	0 U	0 U	0 U	50 U	100 U	25 U	25 U	50 U	50 U
Chloroform	80	80		0.19		1000 U	10 U	0 U	0 U	0 U	50 U	100 U	25 U	25 U	50 U	50 U
Chloromethane	30	30		190		1000 U					50 U	100 U	25 U	25 U	50 U	50 U
cis-1,2-Dichloroethene	70	70	70	73	0 U			0 U	0 U		50 U	100 U	25 U	25 U	50 U	50 U
cis-1,3-Dichloropropene	6.6	26		0.43		1000 U	10 U				50 U	100 U	25 U	25 U	50 U	50 U
Dodecane																
Ethanol																
Ethylbenzene	700	700	700	1.5		1000 U		0 U	0 U	0 U	40 U	80 U	25 U	25 U	50 U	50 U
Isopropylbenzene	840	3500		680												
Methyl tert-butyl ether	20	20		12											50 U	50 U
Methylene chloride	5	5		4.8		1000 U	10 U	0 U	0 U	0 U	30 U	60 U	6.5 J	25 U	42 J	50 U
Naphthalene	100	100		0.14												

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 2.4-3
Groundwater Data Summary - VOC 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 12/8/1998	MW-64D 9/17/1999	MW-64D 4/6/2000	MW-64D 6/25/2001	MW-64D 6/14/2002	MW-64D 6/5/2003	MW-64D 6/10/2004	MW-64D 6/21/2005	MW-64D 6/23/2006	MW-64D 6/28/2007	MW-64D 5/19/2008	MW-64D 9/29/2008
P-Xylene	10000	10000	10000	1200												
Styrene	100	100	100	1600		1000 U									50 U	50 U
Tetrachloroethene	5	5	5	0.11	550	1000 U	370	424	226	513	420	790	240	280	630	600
Toluene	1000	1000	1000	2300		1000 U		0 U	0 U	0 U	50 U	100 U	25 U	25 U	50 U	50 U
trans-1,2-Dichloroethene	100	100	100	110	0 U		10 U	0 U	0 U	0 U	50 U	100 U	25 U	25 U	50 U	50 U
trans-1,3-Dichloropropene	6.6	26		0.43		1000 U	10 U				50 U	100 U	25 U	25 U	50 U	50 U
Trichloroethene	5	5	5	2	2400	1400	1500	1420	773	1070	1400	1400	670	680	1100	1000
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016		1000 U	10 U	0 U	0 U	0 U	50 U	100 U	25 U	25 U	50 U	50 U
VOC Library Search						0 U										
Xylenes (Total)	10000	10000	10000	200		2000 U		0 U	0 U						150 U	150 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 2.4-3
Groundwater Data Summary - VOC 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 7/6/2009	MW-64D 6/28/2010	MW-64S 12/29/1995	MW-64S 12/8/1998	MW-64S 9/21/1999	MW-64S 4/10/2000	MW-64S 6/25/2001	MW-64S 6/5/2003	MW-64S 6/10/2004	MW-64S 6/20/2005	MW-64S 6/23/2006	MW-64S 6/29/2007
TOTAL VOC																
				0	1624	2040	1050	720	389.62	478	225.7	490	217	380	350	363.8
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52	50 U	50 U										
1,1,1-Trichloroethane	200	200	200	9100	50 U	50 U	10 U	0 U	50 U	1 U	0 U	0 U	10 U	5 U	10 U	5 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	50 U	50 U	10 U		50 U	1 U			2 U	1 U	10 U	5 U
1,1,2-Trichloroethane	5	5	5	0.24	50 U	50 U	10 U	0 U	50 U	1 U	0 U	0 U	6 U	3 U	10 U	5 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1-Dichloroethane	31	160		2.4	50 U	50 U	10 U	0 U	50 U	1 U	0 U	0 U	10 U	5 U	10 U	5 U
1,1-Dichloroethene	7	7	7	340	50 U	50 U	10 U	0 U	50 U	1 U	0 U	0 U	4 U	2 U	10 U	5 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	50 U	50 U										
1,2-Dichloroethane	5	5	5	0.15	50 U	50 U	10 U	0 U	50 U	1 U	0 U	0 U	4 U	2 U	10 U	5 U
1,2-Dichloroethene	70	70	70	330					50 U	1.3						
1,2-Dichloropropane	5	5	5	0.39	50 U	50 U	10 U		50 U	1 U			2 U	1 U	10 U	5 U
1,3,5-Trimethylbenzene	13	53		370												
1,3-Dichlorobenzene	600	600								10 U						
1,4-Dioxane	6.4	32		0.67	10000 U	10000 U							2000 U	1000 U	2000 U	1000 U
2-Butanone	4000	4000		7100	500 U	500 U	100 U		1000 U	20 U			10 U	5 U	10 U	5 U
2-Chloroethyl Vinyl Ether							100 U						10 U	5 U	20 U	10 U
2-Hexanone	11	44		47	500 U	500 U	100 U		1000 U	20 U						
4-Methyl-2-Pentanone	2900	8200		2000	500 U	500 U	100 U		500 U	10 U						
Acetone	33000	92000		22000	500 U	500 U	150	0 U	1000 U	20 U	0 U					
Acrolein	0.042	0.18		0.042									200 U	100 U	200 U	100 U
Acrylonitrile	0.72	3.7		0.045	1000 U	1000 U							100 U	50 U	200 U	100 U
Benzene	5	5	5	0.41	50 UJ	50 U	10 U	0 U	50 U	1 U	0 U	0 U	2 U	1 U	10 U	5 U
Bromochloromethane	90	90			50 U	50 U										
Bromodichloromethane	80	80		0.12	50 U	50 U	10 U	0 U	50 U	1 U	0 U	0 U	2 U	1 U	10 U	5 U
Bromoform	80	80		8.5	50 U	50 U	10 U		50 U	1 U			8 U	4 U	10 U	5 U
Bromomethane	10	10		8.7	50 U	50 U	20 U		50 U	1 U			10 U	5 U	10 U	5 U
Carbon Disulfide	1500	6200		1000	50 U	50 U	10 U	0 U	500 U	10 U	0 U					
Carbon Tetrachloride	5	5	5	0.44	50 U	50 U	10 U	0 U	50 U	1 U	0 U	0 U	4 U	2 U	10 U	5 U
Chlorobenzene	100	100	100	91	50 UJ	50 U	10 U	0 U	50 U	1 U	0 U	0 U	10 U	5 U	10 U	5 U
Chlorodibromomethane	80	80		0.15	50 U	50 U	10 U		50 U	1 U			10 U	5 U	10 U	5 U
Chloroethane	230	900		21000	50 U	50 U	20 U	0 U	50 U	1 U	0 U	0 U	10 U	5 U	10 U	5 U
Chloroform	80	80		0.19	50 U	50 U	10 U	0 U	50 U	1 U	0 U	0 U	10 U	5 U	10 U	5 U
Chloromethane	30	30		190	50 U	50 U	20 U		50 U	1 U			10 U	5 U	10 U	5 U
cis-1,2-Dichloroethene	70	70	70	73	50 U	50 U		0 U		1.32	0 U		10 U	5 U	10 U	5 U
cis-1,3-Dichloropropene	6.6	26		0.43	50 U	50 U	10 U		50 U	1 U			10 U	5 U	10 U	5 U
Dodecane										20 J						
Ethanol																
Ethylbenzene	700	700	700	1.5	50 U	50 U	10 U	0 U	50 U	1 U	0 U	0 U	8 U	4 U	10 U	5 U
Isopropylbenzene	840	3500		680												
Methyl tert-butyl ether	20	20		12	50 U	50 U										
Methylene chloride	5	5		4.8	17 J B	34 J	20 U	0 U	50 U	1 U	0 U	0 U	6 U	3 U	10 U	5 U
Naphthalene	100	100		0.14												

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 2.4-3
Groundwater Data Summary - VOC 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 7/6/2009	MW-64D 6/28/2010	MW-64S 12/29/1995	MW-64S 12/8/1998	MW-64S 9/21/1999	MW-64S 4/10/2000	MW-64S 6/25/2001	MW-64S 6/5/2003	MW-64S 6/10/2004	MW-64S 6/20/2005	MW-64S 6/23/2006	MW-64S 6/29/2007
P-Xylene	10000	10000	10000	1200												
Styrene	100	100	100	1600	50 U	50 U	10 U		50 U	1 U						
Tetrachloroethene	5	5	5	0.11	340	680	390	330	220	97	159	48.7	160	57	130	110
Toluene	1000	1000	1000	2300	50 UJ	50 U	10 U	0 U	50 U	1 U	0 U	0 U	10 U	5 U	10 U	5 U
trans-1,2-Dichloroethene	100	100	100	110	50 U	50 U	10 U	0 U		0 U	0 U	0 U	10 U	5 U	10 U	5 U
trans-1,3-Dichloropropene	6.6	26		0.43	50 U	50 U	10 U		50 U	1 U			10 U	5 U	10 U	5 U
Trichloroethene	5	5	5	2	610	910	1500	720	500	270	319	177	330	160	250	240
Vinyl Acetate	420	1800		410			100 U									
Vinyl Chloride	2	2	2	0.016	50 U	50 U	20 U	0 U	50 U	1 U	0 U	0 U	10 U	5 U	10 U	5 U
VOC Library Search									0 U							
Xylenes (Total)	10000	10000	10000	200	150 U	150 U	50 U	0 U	50 U	2 U	0 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 2.4-3
Groundwater Data Summary - VOC 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-64S 5/14/2008	MW-64S 9/25/2008	MW-64S 6/30/2009	MW-64S 7/1/2010	MW-65D 9/7/1999	MW-65D 3/27/2000	MW-65D 6/14/2005	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
TOTAL VOC																
				0	276	366	250	33	26	15.8	12.58	12.63	14.37	185	133.1	205.9
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52	15 U	5 U	15 U	10 U				1 U	1 U	1 U		
1,1,1-Trichloroethane	200	200	200	9100	15 U	5 U	15 U	10 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	15 U	5 U	15 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	15 U	5 U	15 U	10 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300						1 U						1 U
1,1-Dichloroethane	31	160		2.4	15 U	5 U	15 U	10 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	15 U	5 U	15 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	15 U	5 U	15 U	10 U				1 U	1 U	1 U		
1,2-Dichloroethane	5	5	5	0.15	15 U	5 U	15 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330					1 U						1	
1,2-Dichloropropane	5	5	5	0.39	15 U	5 U	15 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	13	53		370												
1,3-Dichlorobenzene	600	600							10 U	2 U					10 U	2 U
1,4-Dioxane	6.4	32		0.67	3000 U	1000 U	3000 U	2000 U			1000 U	200 U	200 U	200 U		
2-Butanone	4000	4000		7100	150 U	50 U	150 U	100 U	20 U		5 U	10 U	10 U	10 U	20 U	
2-Chloroethyl Vinyl Ether										1 U	5 U					1 U
2-Hexanone	11	44		47	150 U	50 U	150 U	100 U	20 U			10 U	10 U	10 U	20 U	
4-Methyl-2-Pentanone	2900	8200		2000	150 U	50 U	150 U	100 U	10 U			10 U	10 U	10 U	10 U	
Acetone	33000	92000		22000	150 U	50 U	150 U	100 U	20 U			10 U	10 U	2.6 J	20 U	
Acrolein	0.042	0.18		0.042							100 U					
Acrylonitrile	0.72	3.7		0.045	300 U	100 U	300 U	200 U			50 U	20 U	20 U	20 U		
Benzene	5	5	5	0.41	15 U	5 U	15 U	10 U	1 U		1 U	1 U	1 U	1 U	1 U	
Bromochloromethane	90	90			15 U	5 U	15 U	10 U				1 U	1 U	1 U		
Bromodichloromethane	80	80		0.12	15 U	5 U	15 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	80	80		8.5	15 U	5 U	15 U	10 U	1 U	1 U	4 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	10	10		8.7	15 U	5 U	15 U	10 U	1 U	2 U	5 U	1 U	1 U	1 U	1 U	2 U
Carbon Disulfide	1500	6200		1000	15 U	5 U	15 U	36 B	10 U			1 U	1 U	1 U	10 U	
Carbon Tetrachloride	5	5	5	0.44	15 U	5 U	15 U	10 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	91	15 U	5 U	15 U	10 U	1 U	2 U	5 U	1 U	1 U	1 U	1 U	2 U
Chlorodibromomethane	80	80		0.15	15 U	5 U	15 U	10 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	230	900		21000	15 U	5 U	15 U	10 U	1 U	2 U	5 U	1 U	1 U	1 U	1 U	2 U
Chloroform	80	80		0.19	15 U	5 U	15 U	10 U	1 U	1 U	2.2 J	2.1	2	2	1 U	1 U
Chloromethane	30	30		190	15 U	5 U	15 U	10 U	1 U		5 U	1 U	1 U	1 U	1 U	
cis-1,2-Dichloroethene	70	70	70	73	15 U	5 U	15 U	10 U			5 U	0.13 J	0.13 J	1 U		
cis-1,3-Dichloropropene	6.6	26		0.43	15 U	5 U	15 U	10 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
Dodecane																
Ethanol																
Ethylbenzene	700	700	700	1.5	15 U	5 U	15 U	10 U	1 U		4 U	1 U	1 U	1 U	1 U	
Isopropylbenzene	840	3500		680												
Methyl tert-butyl ether	20	20		12	15 U	5 U	15 U	10 U				1 U	0.13 J	1 U		
Methylene chloride	5	5		4.8	3.8 J B	5 U	6 J	10 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	1 U
Naphthalene	100	100		0.14												

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 2.4-3
Groundwater Data Summary - VOC 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-64S 5/14/2008	MW-64S 9/25/2008	MW-64S 6/30/2009	MW-64S 7/1/2010	MW-65D 9/7/1999	MW-65D 3/27/2000	MW-65D 6/14/2005	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
P-Xylene	10000	10000	10000	1200												
Styrene	100	100	100	1600	15 U	5 U	15 U	10 U	1 U			1 U	1 U	1 U	1 U	
Tetrachloroethene	5	5	5	0.11	120	96	120	74	1 U	1 U	0.6 J	0.35 J	0.37 J	0.37 J	4	3.1
Toluene	1000	1000	1000	2300	15 U	5 U	15 U	10 U	1 U		5 U	1 U	1 U	1 U	1 U	
trans-1,2-Dichloroethene	100	100	100	110	15 U	5 U	15 U	10 U		1 U	5 U	1 U	1 U	1 U		1 U
trans-1,3-Dichloropropene	6.6	26		0.43	15 U	5 U	15 U	10 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	5	5	2	240	180	240	140	33	26	13	10	10	9.4	180	130
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	15 U	5 U	15 U	10 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
VOC Library Search									0 U						0 U	
Xylenes (Total)	10000	10000	10000	200	45 U	15 U	45 U	30 U	2 U			3 U	3 U	3 U	2 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 2.4-3
Groundwater Data Summary - VOC 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-65S 6/15/2005	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	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
TOTAL VOC																	
				0	105	37	24	12.35	42	33.3	18.22	12.88	72	73	43.22	406	418.3
Volatile Organic Compound																	
1,1,1,2-Tetrachloroethane	70	70		0.52		3 U			1 U			1 U	1 U			1 U	
1,1,1-Trichloroethane	200	200	200	9100	5 U	3 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	260
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	3 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	3 U	3 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	7
1,1,2-Trichlorofluoromethane	2000	2000		1300				1 U			1 U				1 U		
1,1-Dichloroethane	31	160		2.4	5 U	3 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	2 U	3 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	39
1,2,4-Trimethylbenzene	15	62		15													
1,2-Dibromoethane	0.05	0.05	0.05	0.0065		3 U			1 U			1 U	1 U			1 U	
1,2-Dichloroethane	5	5	5	0.15	2 U	3 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330			1 U			1 U				1 U			1 U
1,2-Dichloropropane	5	5	5	0.39	1 U	3 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	13	53		370													
1,3-Dichlorobenzene	600	600					10 U	2 U		10 U	2 U			10 U	2 U		10 U
1,4-Dioxane	6.4	32		0.67	1000 U	600 U			200 U			200 U	200 U			200 U	
2-Butanone	4000	4000		7100	5 U	30 U	20 U		10 U	20 U		10 U	10 U	20 U		10 U	20 U
2-Chloroethyl Vinyl Ether					5 U			1 U			1 U				1 U		
2-Hexanone	11	44		47		30 U	20 U		10 U	20 U		10 U	10 U	20 U		10 U	20 U
4-Methyl-2-Pentanone	2900	8200		2000		30 U	10 U		10 U	10 U		10 U	10 U	10 U		10 U	10 U
Acetone	33000	92000		22000		30 U	20 U		10 U	20 U		10 U	10 U	20 U		10 U	20 U
Acrolein	0.042	0.18		0.042	100 U												
Acrylonitrile	0.72	3.7		0.045	50 U	60 U			20 U			20 U	20 U			20 U	
Benzene	5	5	5	0.41	1 U	3 U	1 U		1 U	1 U		1 U	1 U	1 U		1 U	1 U
Bromochloromethane	90	90				3 U			1 U			1 U	1 U			1 U	
Bromodichloromethane	80	80		0.12	1 U	3 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	80	80		8.5	4 U	3 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	10	10		8.7	5 U	3 U	1 U	2 U	1 U	1 U	2 U	1 U	1 U	1 U	2 U	1 U	1 U
Carbon Disulfide	1500	6200		1000		3 U	10 U		1 U	10 U		1 U	1 U	10 U		1 U	10 U
Carbon Tetrachloride	5	5	5	0.44	2 U	3 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1
Chlorobenzene	100	100	100	91	5 U	3 U	1 U	2 U	1 U	1 U	2 U	1 U	1 U	1 U	2 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	5 U	3 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	230	900		21000	5 U	3 U	1 U	2 U	1 U	1 U	2 U	1 U	1 U	1 U	2 U	1 U	1 U
Chloroform	80	80		0.19	5 U	1.2 J	1 U	1 U	1.5	1 U	1 U	1.1	0.96 J	1 U	1 U	1.7	1 U
Chloromethane	30	30		190	5 U	3 U	1 U		1 U	1 U		1 U	1 U	1 U		1 U	1 U
cis-1,2-Dichloroethene	70	70	70	73	1.1 J	0.5 J			0.24 J			0.54 J	0.48 J			0.62 J	
cis-1,3-Dichloropropene	6.6	26		0.43	5 U	3 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dodecane																	
Ethanol																	
Ethylbenzene	700	700	700	1.5	4 U	3 U	1 U		1 U	1 U		1 U	1 U	1 U		1 U	1 U
Isopropylbenzene	840	3500		680													
Methyl tert-butyl ether	20	20		12		3 U			0.18 J			1 U	1 U			0.46 J	
Methylene chloride	5	5		4.8	3 U	1.2 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Naphthalene	100	100		0.14													

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 2.4-3
Groundwater Data Summary - VOC 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-65S 6/15/2005	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	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
P-Xylene	10000	10000	10000	1200													
Styrene	100	100	100	1600		3 U	1 U		1 U	1 U		1 U	1 U	1 U		1 U	1 U
Tetrachloroethene	5	5	5	0.11	4.8	3.1	1	1 U	0.43 J	1	1.3	0.58 J	0.44 J	1 U	1 U	0.44 J	27
Toluene	1000	1000	1000	2300	5 U	3 U	1 U		1 U	1 U		1 U	1 U	1 U		1 U	1 U
trans-1,2-Dichloroethene	100	100	100	110	5 U	3 U		1 U	1 U		1 U	1 U	1 U		1 U	1 U	
trans-1,3-Dichloropropene	6.6	26		0.43	5 U	3 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	5	5	2	200	99	36	24	10	41	32	16	11	72	73	40	72
Vinyl Acetate	420	1800		410													
Vinyl Chloride	2	2	2	0.016	5 U	3 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
VOC Library Search							0 U			0 U				0 U			0 U
Xylenes (Total)	10000	10000	10000	200		9 U	2 U		3 U	2 U		3 U	3 U	2 U		3 U	2 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 2.4-3
Groundwater Data Summary - VOC 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-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	MW-69 6/25/2001	MW-69 6/12/2002	MW-69 6/3/2003	MW-69 6/10/2004	MW-69 6/15/2005	MW-69 6/22/2006
TOTAL VOC																	
				0	61.96	41	78	50.23	374	600	51.4	280.3	207.6	193.6	437.8	161.6	196.3
Volatile Organic Compound																	
1,1,1,2-Tetrachloroethane	70	70		0.52		1 U			1 U								
1,1,1-Trichloroethane	200	200	200	9100	250	26	1 U	1 U	1 U	1	10 U	0 U	0 U	0 U	5 U	10 U	5 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	1 U	1 U	1 U	1 U	10 U				1 U	2 U	5 U
1,1,2-Trichloroethane	5	5	5	0.24	6.8	0.5 J	1 U	1 U	1 U	2	10 U	0 U	0 U	0 U	3 U	6 U	5 U
1,1,2-Trichlorofluoromethane	2000	2000		1300	1 U			1 U			10 U						
1,1-Dichloroethane	31	160		2.4	1 U	1 U	1 U	1 U	1 U	1 U	10 U	0 U	0 U	0 U	5 U	10 U	5 U
1,1-Dichloroethene	7	7	7	340	51	0.39 J	1 U	1 U	1 U	5	10 U	1.2	3.3	2.5	3	6.3	1.4 J
1,2,4-Trimethylbenzene	15	62		15													
1,2-Dibromoethane	0.05	0.05	0.05	0.0065		1 U			1 U								
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	1 U	1 U	1 U	1 U	10 U	0 U	0 U	0 U	2 U	4 U	5 U
1,2-Dichloroethene	70	70	70	330			2			24							
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U	1 U	1 U	10 U				1 U	2 U	5 U
1,3,5-Trimethylbenzene	13	53		370													
1,3-Dichlorobenzene	600	600			2 U		10 U	2 U		10 U	20 U						
1,4-Dioxane	6.4	32		0.67		200 U			200 U						1000 U	2000 U	1000 U
2-Butanone	4000	4000		7100		10 U	20 U		10 U	20 U					5 U	10 U	5 U
2-Chloroethyl Vinyl Ether					1 U			1 U			10 U				5 U	10 U	10 U
2-Hexanone	11	44		47		10 U	20 U		10 U	20 U							
4-Methyl-2-Pentanone	2900	8200		2000		10 U	10 U		10 U	10 U							
Acetone	33000	92000		22000		10 U	20 U		10 U	20 U		0 U	0 U				
Acrolein	0.042	0.18		0.042											100 U	200 U	100 U
Acrylonitrile	0.72	3.7		0.045		20 U			20 U						50 U	100 U	100 U
Benzene	5	5	5	0.41		1 U	1 U		1 U	1 U		0 U	0 U	0 U	1 U	2 U	5 U
Bromochloromethane	90	90				1 U			1 U								
Bromodichloromethane	80	80		0.12	1 U	1 U	1 U	1 U	1 U	1 U	10 U	0 U	0 U	0 U	1 U	2 U	5 U
Bromoform	80	80		8.5	1 U	1 U	1 U	1 U	1 U	1 U	10 U				4 U	8 U	5 U
Bromomethane	10	10		8.7	2 U	1 U	1 U	2 U	1 U	1 U	20 U				5 U	10 U	5 U
Carbon Disulfide	1500	6200		1000		1 U	10 U		1 U	10 U		0 U	0 U				
Carbon Tetrachloride	5	5	5	0.44	1.5	1 U	1 U	1 U	1 U	1 U	10 U	0 U	0 U	0 U	2 U	4 U	5 U
Chlorobenzene	100	100	100	91	2 U	1 U	1 U	2 U	1 U	1 U	20 U	0 U	0 U	0 U	5 U	10 U	5 U
Chlorodibromomethane	80	80		0.15	1 U	1 U	1 U	1 U	1 U	1 U	10 U				5 U	10 U	5 U
Chloroethane	230	900		21000	2 U	1 U	1 U	2 U	1 U	1 U	20 U	0 U	0 U	0 U	5 U	10 U	5 U
Chloroform	80	80		0.19	1 U	0.98 J	1 U	1 U	1.5	1 U	10 U	0 U	0 U	0 U	5 U	10 U	5 U
Chloromethane	30	30		190		1 U	1 U		1 U	1 U					5 U	10 U	5 U
cis-1,2-Dichloroethene	70	70	70	73		0.53 J			0.8 J			9.2	77		94	130	49
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	1 U	1 U	1 U	10 U				5 U	10 U	5 U
Dodecane																	
Ethanol																	
Ethylbenzene	700	700	700	1.5		1 U	1 U		1 U	1 U		0 U	0 U	0 U	4 U	8 U	5 U
Isopropylbenzene	840	3500		680													
Methyl tert-butyl ether	20	20		12		0.26 J			0.41 J								
Methylene chloride	5	5		4.8	1 U	1 U	1 U	1 U	1 U	1 U	10 U	0 U	0 U	0 U	3 U	6 U	1.2 J
Naphthalene	100	100		0.14													

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 2.4-3
Groundwater Data Summary - VOC 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-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	MW-69 6/25/2001	MW-69 6/12/2002	MW-69 6/3/2003	MW-69 6/10/2004	MW-69 6/15/2005	MW-69 6/22/2006
P-Xylene	10000	10000	10000	1200													
Styrene	100	100	100	1600		1 U	1 U		1 U	1 U							
Tetrachloroethene	5	5	5	0.11	22	4.3	1 U	1 U	0.52 J	2	10 U	0 U	0 U	1.1	0.6 J	1.5 J	5 U
Toluene	1000	1000	1000	2300		1 U	1 U		1 U	1 U		0 U	0 U	0 U	5 U	10 U	5 U
trans-1,2-Dichloroethene	100	100	100	110	1 U	1 U		1 U	1 U		10 U	0 U	0 U	0 U	5 U	10 U	5 U
trans-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	1 U	1 U	1 U	10 U				5 U	10 U	5 U
Trichloroethene	5	5	5	2	87	29	39	78	47	340	600	41	200	204	96	300	110
Vinyl Acetate	420	1800		410													
Vinyl Chloride	2	2	2	0.016	1 U	1 U	1 U	1 U	1 U	1 U	10 U	0 U	0 U	0 U	5 U	10 U	5 U
VOC Library Search							0 U			0 U							
Xylenes (Total)	10000	10000	10000	200		3 U	2 U		3 U	2 U		0 U	0 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 2.4-3
Groundwater Data Summary - VOC 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 6/27/2007	MW-69 5/5/2008	MW-69 9/22/2008	MW-69 7/2/2009	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
TOTAL VOC																
				0	190.8	206.8	60.3	267	218.6	181.2	307	111.2	89.23	264	317	300.6
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52		5 U	5 U	5 U			10 U			2 U		
1,1,1-Trichloroethane	200	200	200	9100	5 U	5 U	5 U	5 U	1 U	1 U	10 U	12	7.7	2 U	7	8
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	5 U	5 U	5 U	5 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	5 U	5 U	5 U	5 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300						1 U			1 U			
1,1-Dichloroethane	31	160		2.4	5 U	5 U	5 U	5 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	2.5 J	2.8 J	1.8 J	5 U	1 U	1 U	10 U	3	3.5	0.63 J	4	5
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0065		5 U	5 U	5 U			10 U			2 U		
1,2-Dichloroethane	5	5	5	0.15	5 U	5 U	5 U	5 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330					8			29			23	23
1,2-Dichloropropane	5	5	5	0.39	5 U	5 U	5 U	5 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U
1,3,5-Trimethylbenzene	13	53		370												
1,3-Dichlorobenzene	600	600							10 U	2 U		10 U	2 U		10 U	10 U
1,4-Dioxane	6.4	32		0.67	1000 U	1000 U	1000 U	1000 U			2000 U			400 U		
2-Butanone	4000	4000		7100	5 U	50 U	50 U	50 U	20 U		100 U	20 U		20 U	20 U	20 U
2-Chloroethyl Vinyl Ether					10 U					1 U			1 U			
2-Hexanone	11	44		47		50 U	50 U	50 U	20 U		100 U	20 U		20 U	20 U	20 U
4-Methyl-2-Pentanone	2900	8200		2000		50 U	50 U	50 U	10 U		100 U	10 U		20 U	10 U	10 U
Acetone	33000	92000		22000		50 U	50 U	50 U	20 U		100 U	20 U		20 U	20 U	20 U
Acrolein	0.042	0.18		0.042	100 U											
Acrylonitrile	0.72	3.7		0.045	100 U	100 U	100 U	100 U			200 U			40 U		
Benzene	5	5	5	0.41	5 U	5 U	5 U	5 U	1 U		10 U	1 U		2 U	1 U	1 U
Bromochloromethane	90	90				5 U	5 U	5 U			10 U			2 U		
Bromodichloromethane	80	80		0.12	5 U	5 U	5 U	5 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U
Bromoform	80	80		8.5	5 U	5 U	5 U	5 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U
Bromomethane	10	10		8.7	5 U	5 U	5 U	5 U	1 U	2 U	10 U	1 U	2 U	2 U	1 U	1 U
Carbon Disulfide	1500	6200		1000		5 U	5 U	5 U	10 U		10 U	10 U		2 U	10 U	10 U
Carbon Tetrachloride	5	5	5	0.44	5 U	5 U	5 U	5 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U
Chlorobenzene	100	100	100	91	5 U	5 U	5 U	5 U	1 U	2 U	10 U	1 U	2 U	2 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	5 U	5 U	5 U	5 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U
Chloroethane	230	900		21000	5 U	5 U	5 U	5 U	1 U	2 U	10 U	1 U	2 U	2 U	1 U	1 U
Chloroform	80	80		0.19	5 U	5 U	5 U	5 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U
Chloromethane	30	30		190	5 U	5 U	5 U	5 U	1 U		10 U	1 U		2 U	1 U	1 U
cis-1,2-Dichloroethene	70	70	70	73	160	130	90	54			8 J			2.6		
cis-1,3-Dichloropropene	6.6	26		0.43	5 U	5 U	5 U	5 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U
Dodecane																
Ethanol																
Ethylbenzene	700	700	700	1.5	5 U	5 U	5 U	5 U	1 U		10 U	1 U		2 U	1 U	1 U
Isopropylbenzene	840	3500		680												
Methyl tert-butyl ether	20	20		12		5 U	5 U	5 U			10 U			2 U		
Methylene chloride	5	5		4.8	5 U	5 U	2.4 J B	3 J	1 U	1 U	2.2 J	1 U	1 U	2 U	1 U	1 U
Naphthalene	100	100		0.14												

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 2.4-3
Groundwater Data Summary - VOC 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 6/27/2007	MW-69 5/5/2008	MW-69 9/22/2008	MW-69 7/2/2009	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
P-Xylene	10000	10000	10000	1200												
Styrene	100	100	100	1600		5 U	5 U	5 U	1 U		10 U	1 U		2 U	1 U	1 U
Tetrachloroethene	5	5	5	0.11	7.5	5 U	5 U	5 U	9	8.6	11	43	15	50	10	11
Toluene	1000	1000	1000	2300	5 U	5 U	5 U	5 U	1 U		10 U	1 U		2 U	1 U	1 U
trans-1,2-Dichloroethene	100	100	100	110	1.3 J	5 U	2.6 J	5 U		1 U	10 U		1 U	2 U		
trans-1,3-Dichloropropene	6.6	26		0.43	5 U	5 U	5 U	5 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U
Trichloroethene	5	5	5	2	25	58	110	3.3 J	250	210	160	220	85	36	220	270
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	5 U	5 U	5 U	5 U	1 U	1 U	10 U	1 U	1 U	2 U	1 U	1 U
VOC Library Search									0 U			0 U			0 U	0 U
Xylenes (Total)	10000	10000	10000	200		15 U	15 U	15 U	1 U		30 U	1 U		6 U	1 U	1 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 2.4-3
Groundwater Data Summary - VOC 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-71D 4/5/2000	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 6/5/2003
TOTAL VOC																
				0	372.1	4711.8	21	20.2	10	8.7	418	249.4	308.2	209.6	238	211
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52												
1,1,1-Trichloroethane	200	200	200	9100	1	0 U	37	1 U	1 U	1 U	1 U	38	17	12	5	5.5
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U			1 U	1 U	1 U	1 U	1 U	1 U			
1,1,2-Trichloroethane	5	5	5	0.24	1 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	0 U	0 U	0 U
1,1,2-Trichlorofluoromethane	2000	2000		1300	1 U				1 U		1 U		1 U			
1,1-Dichloroethane	31	160		2.4	1 U	0 U	18	1 U	1 U	1 U	1 U	6	3.7	4.5	1.8	2.5
1,1-Dichloroethene	7	7	7	340	1 U	1.1	35	1 U	1 U	1 U	1 U	15	12	9.1	4.8	6.1
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0065												
1,2-Dichloroethane	5	5	5	0.15	1 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	0 U	0 U	0 U
1,2-Dichloroethene	70	70	70	330				1 U		2		100				
1,2-Dichloropropane	5	5	5	0.39	1 U			1 U	1 U	1 U	1 U	1 U	1 U			
1,3,5-Trimethylbenzene	13	53		370												
1,3-Dichlorobenzene	600	600			2 U			10 U	2 U	10 U	2 U	10 U	2 U			
1,4-Dioxane	6.4	32		0.67												
2-Butanone	4000	4000		7100				20 U		20 U		20 U				
2-Chloroethyl Vinyl Ether					1 U				1 U		1 U		1 U			
2-Hexanone	11	44		47				20 U		20 U		20 U				
4-Methyl-2-Pentanone	2900	8200		2000				10 U		10 U		10 U				
Acetone	33000	92000		22000		0 U	0 U	20 U		20 U		20 U		0 U	0 U	
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045												
Benzene	5	5	5	0.41		0 U	2.6	1 U		1 U		1 U		0 U	0 U	0 U
Bromochloromethane	90	90														
Bromodichloromethane	80	80		0.12	1 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	0 U	0 U	0 U
Bromoform	80	80		8.5	1 U			1 U	1 U	1 U	1 U	1 U	1 U			
Bromomethane	10	10		8.7	2 U			1 U	2 U	1 U	2 U	1 U	2 U			
Carbon Disulfide	1500	6200		1000		0 U	0 U	5		10 U		10 U		0 U	0 U	
Carbon Tetrachloride	5	5	5	0.44	1 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	0 U	0 U	0 U
Chlorobenzene	100	100	100	91	2 U	0 U	1.9	1 U	2 U	1 U	2 U	1 U	2 U	0 U	0 U	0 U
Chlorodibromomethane	80	80		0.15	1 U			1 U	1 U	1 U	1 U	1 U	1 U			
Chloroethane	230	900		21000	2 U	0 U	0 U	1 U	2 U	1 U	2 U	1 U	2 U	0 U	0 U	0 U
Chloroform	80	80		0.19	1 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	0 U	0 U	0 U
Chloromethane	30	30		190				1 U		1 U		1 U				
cis-1,2-Dichloroethene	70	70	70	73		20	2510							194	48	
cis-1,3-Dichloropropene	6.6	26		0.43	1 U			1 U	1 U	1 U	1 U	1 U	1 U			
Dodecane																
Ethanol								4 J								
Ethylbenzene	700	700	700	1.5		0 U	0 U	1 U		1 U		1 U		0 U	0 U	0 U
Isopropylbenzene	840	3500		680												
Methyl tert-butyl ether	20	20		12												
Methylene chloride	5	5		4.8	1 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	0 U	0 U	0 U
Naphthalene	100	100		0.14												

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 2.4-3
Groundwater Data Summary - VOC 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-71D 4/5/2000	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 6/5/2003
P-Xylene	10000	10000	10000	1200												
Styrene	100	100	100	1600				1 U		1 U		1 U				
Tetrachloroethene	5	5	5	0.11	9.6	19	7.9	2	4.2	1 U	1 U	17	14.7	6.6	15	27.9
Toluene	1000	1000	1000	2300		0 U	0 U	1		1 U		1		0 U	23	0 U
trans-1,2-Dichloroethene	100	100	100	110	1 U	0 U	8.7		1 U		1 U		1 U	0 U	0 U	0 U
trans-1,3-Dichloropropene	6.6	26		0.43	1 U			1 U	1 U	1 U	1 U	1 U	1 U			
Trichloroethene	5	5	5	2	290	332	1840	9	16	8	8.7	240	202	82	112	196
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	1 U	0 U	243	1 U	1 U	1 U	1 U	1	1 U	0 U	0 U	0 U
VOC Library Search								0 U		0 U		0 U				
Xylenes (Total)	10000	10000	10000	200		0 U	7.7	1 U		1 U		1 U		0 U	0 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 2.4-3
Groundwater Data Summary - VOC 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-74D 6/9/2004	MW-74D 6/21/2005	MW-74D 6/23/2006	MW-74D 6/28/2007	MW-74D 5/9/2008	MW-74D 9/17/2008	MW-74D 6/25/2009	MW-74D 6/22/2010	MW-74S 9/15/1999	MW-74S 4/3/2000	MW-74S 6/21/2001	MW-74S 6/13/2002	MW-74S 6/3/2003
TOTAL VOC																	
				0	195.6	187.3	155.9	117.4	107	130.3	121.62	210	135.3	187.4	150.1	0	143.5
Volatile Organic Compound																	
1,1,1,2-Tetrachloroethane	70	70		0.52					5 U	5 U	5 U	4 U					
1,1,1-Trichloroethane	200	200	200	9100	3 J	2.7 J	5 U	5 U	5 U	5 U	1.6 J	4 U	11	4.1	3.6	1.6	
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	5 U	5 U	5 U	5 U	5 U	4 U	1 U	1 U			
1,1,2-Trichloroethane	5	5	5	0.24	3 U	3 U	5 U	5 U	5 U	5 U	5 U	4 U	1 U	1 U	0 U	0 U	0 U
1,1,2-Trichlorofluoromethane	2000	2000		1300										1 U			
1,1-Dichloroethane	31	160		2.4	2.3 J	1.9 J	5 U	5 U	5 U	5 U	5 U	0.91 J	1	1.3	1.3	1.9	
1,1-Dichloroethene	7	7	7	340	4.7	4	3.3 J	3.2 J	2.3 J	2.2 J	2.3 J	2.1 J	3	2	1.9	0 U	
1,2,4-Trimethylbenzene	15	62		15													
1,2-Dibromoethane	0.05	0.05	0.05	0.0065					5 U	5 U	5 U	4 U					
1,2-Dichloroethane	5	5	5	0.15	2 U	2 U	5 U	5 U	5 U	5 U	5 U	4 U	1 U	1 U	0 U	0 U	0 U
1,2-Dichloroethene	70	70	70	330									68				
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	5 U	5 U	5 U	5 U	5 U	4 U	1 U	1 U			
1,3,5-Trimethylbenzene	13	53		370													
1,3-Dichlorobenzene	600	600											10 U	2 U			
1,4-Dioxane	6.4	32		0.67	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	800 U					
2-Butanone	4000	4000		7100	5 U	5 U	5 U	5 U	50 U	50 U	50 U	40 U	20 U				
2-Chloroethyl Vinyl Ether					5 U	5 U	10 U	10 U						1 U			
2-Hexanone	11	44		47					50 U	50 U	50 U	40 U	20 U				
4-Methyl-2-Pentanone	2900	8200		2000					50 U	50 U	50 U	40 U	10 U				
Acetone	33000	92000		22000					50 U	50 U	50 U	40 U	20 U		0 U	0 U	
Acrolein	0.042	0.18		0.042	100 U	100 U	100 U	100 U									
Acrylonitrile	0.72	3.7		0.045	50 U	50 U	100 U	100 U	100 U	100 U	100 U	80 U					
Benzene	5	5	5	0.41	1 U	1 U	5 U	5 U	5 U	5 U	5 U	4 U	1 U		0 U	0 U	0 U
Bromochloromethane	90	90							5 U	5 U	5 U	4 U					
Bromodichloromethane	80	80		0.12	1 U	1 U	5 U	5 U	5 U	5 U	5 U	4 U	1 U	1 U	0 U	0 U	0 U
Bromoform	80	80		8.5	4 U	4 U	5 U	5 U	5 U	5 U	5 U	4 U	1 U	1 U			
Bromomethane	10	10		8.7	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4 U	1 U	2 U			
Carbon Disulfide	1500	6200		1000					5 U	5 U	5 U	2.9 J	10 U		0 U	0 U	
Carbon Tetrachloride	5	5	5	0.44	2 U	2 U	5 U	5 U	5 U	5 U	5 U	4 U	1 U	1 U	0 U	0 U	0 U
Chlorobenzene	100	100	100	91	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4 U	1 U	2 U	0 U	0 U	0 U
Chlorodibromomethane	80	80		0.15	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4 U	1 U	1 U			
Chloroethane	230	900		21000	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4 U	1 U	2 U	0 U	0 U	0 U
Chloroform	80	80		0.19	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4 U	1 U	1 U	0 U	0 U	0 U
Chloromethane	30	30		190	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4 U	1 U				
cis-1,2-Dichloroethene	70	70	70	73	48	42	42	49	23	19	52	27			63	138	
cis-1,3-Dichloropropene	6.6	26		0.43	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4 U	1 U	1 U			
Dodecane																	
Ethanol																	
Ethylbenzene	700	700	700	1.5	4 U	4 U	5 U	5 U	5 U	5 U	5 U	4 U	1 U		0 U	0 U	0 U
Isopropylbenzene	840	3500		680													
Methyl tert-butyl ether	20	20		12					5 U	5 U	5 U	4 U					
Methylene chloride	5	5		4.8	3 U	3 U	5 U	5 U	1.1 J	2.3 J B	5 U	0.61 J	1 U	1 U	0 U	0 U	0 U
Naphthalene	100	100		0.14													

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 2.4-3
Groundwater Data Summary - VOC 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-74D 6/9/2004	MW-74D 6/21/2005	MW-74D 6/23/2006	MW-74D 6/28/2007	MW-74D 5/9/2008	MW-74D 9/17/2008	MW-74D 6/25/2009	MW-74D 6/22/2010	MW-74S 9/15/1999	MW-74S 4/3/2000	MW-74S 6/21/2001	MW-74S 6/13/2002	MW-74S 6/3/2003
P-Xylene	10000	10000	10000	1200													
Styrene	100	100	100	1600					5 U	5 U	5 U	4 U	1 U				
Tetrachloroethene	5	5	5	0.11	13	15	12	8.7	6	8.5	5.4	7.1	17	7.9	8.6	2.3	
Toluene	1000	1000	1000	2300	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4 U	1 U		0 U	0 U	0 U
trans-1,2-Dichloroethene	100	100	100	110	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4 U		1 U	0 U	0 U	0 U
trans-1,3-Dichloropropene	6.6	26		0.43	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4 U	1 U	1 U			
Trichloroethene	5	5	5	2	140	130	130	95	85	75	69	81	110	120	109	6.3	
Vinyl Acetate	420	1800		410													
Vinyl Chloride	2	2	2	0.016	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4 U	1 U	1 U	0 U	0 U	0 U
VOC Library Search													0 U				
Xylenes (Total)	10000	10000	10000	200					15 U	15 U	15 U	12 U	1 U		0 U	0 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 2.4-3
Groundwater Data Summary - VOC 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 6/9/2004	MW-74S 6/14/2005	MW-74S 6/22/2006	MW-74S 6/28/2007	MW-74S 4/29/2008	MW-74S 9/16/2008	MW-74S 6/22/2009	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
TOTAL VOC																
				0	103	108.8	94.4	72.42	58.72	86.21	64.12	9890	15020	6371.5	12138.3	10253.3
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52					2 U	2 U	2 U	1 U				
1,1,1-Trichloroethane	200	200	200	9100	5 U	0.6 J	5 U	5 U	2 U	2 U	2 U	1 U	270	280	95	218
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	5 U	5 U	2 U	2 U	2 U	1 U	200 U	10 U		
1,1,2-Trichloroethane	5	5	5	0.24	3 U	3 U	5 U	5 U	2 U	2 U	2 U	1 U	200 U	10 U	0 U	0 U
1,1,2-Trichlorofluoromethane	2000	2000		1300										10 U		
1,1-Dichloroethane	31	160		2.4	5 U	1.2 J	5 U	5 U	0.51 J	2 U	0.68 J	0.41 J	200 U	10 U	4.5	20
1,1-Dichloroethene	7	7	7	340	0.9 J	2 U	5 U	5 U	0.44 J	2 U	2 U	0.37 J	200 U	40	21	42
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0065					2 U	2 U	2 U	1 U				
1,2-Dichloroethane	5	5	5	0.15	2 U	2 U	5 U	5 U	2 U	2 U	2 U	1 U	200 U	10 U	0 U	0 U
1,2-Dichloroethene	70	70	70	330									220			
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	5 U	5 U	2 U	2 U	2 U	1 U	200 U	10 U		
1,3,5-Trimethylbenzene	13	53		370												
1,3-Dichlorobenzene	600	600											10 U	20 U		
1,4-Dioxane	6.4	32		0.67	1000 U	1000 U	1000 U	1000 U	400 U	400 U	400 U	200 U				
2-Butanone	4000	4000		7100	5 U	5 U	5 U	5 U	20 U	20 U	20 U	10 U	4000 U			
2-Chloroethyl Vinyl Ether					5 U	5 U	10 U	10 U						10 U		
2-Hexanone	11	44		47					20 U	20 U	20 U	10 U	4000 U			
4-Methyl-2-Pentanone	2900	8200		2000					20 U	20 U	20 U	10 U	2000 U			
Acetone	33000	92000		22000					20 U	20 U	20 U	10 U	4000 U		0 U	0 U
Acrolein	0.042	0.18		0.042	100 U	100 U	100 U	100 U								
Acrylonitrile	0.72	3.7		0.045	50 U	50 U	100 U	100 U	40 U	40 U	40 U	20 U				
Benzene	5	5	5	0.41	1 U	1 U	5 U	5 U	2 U	2 U	2 U	1 U	200 U		0 U	0 U
Bromochloromethane	90	90							2 U	2 U	2 U	1 U				
Bromodichloromethane	80	80		0.12	1 U	1 U	5 U	5 U	2 U	2 U	2 U	1 U	200 U	10 U	0 U	0 U
Bromoform	80	80		8.5	4 U	4 U	5 U	5 U	2 U	2 U	2 U	1 U	200 U	10 U		
Bromomethane	10	10		8.7	5 U	5 U	5 U	5 U	2 U	2 U	2 U	1 U	200 U	20 U		
Carbon Disulfide	1500	6200		1000					2 U	2 U	2 U	1 U	2000 U		0 U	0 U
Carbon Tetrachloride	5	5	5	0.44	2 U	2 U	5 U	5 U	2 U	2 U	2 U	1 U	200 U	10 U	0 U	0 U
Chlorobenzene	100	100	100	91	5 U	5 U	5 U	5 U	2 U	2 U	2 U	1 U	200 U	20 U	0 U	0 U
Chlorodibromomethane	80	80		0.15	5 U	5 U	5 U	5 U	2 U	2 U	2 U	1 U	200 U	10 U		
Chloroethane	230	900		21000	5 U	5 U	5 U	5 U	2 U	2 U	2 U	1 U	200 U	20 U	0 U	0 U
Chloroform	80	80		0.19	5 U	5 U	5 U	5 U	2 U	2 U	2 U	1 U	200 U	10 U	0 U	0 U
Chloromethane	30	30		190	5 U	5 U	5 U	5 U	2 U	2 U	2 U	0.3 J	200 U			
cis-1,2-Dichloroethene	70	70	70	73	60	65	41	40	24	18	27	26			91	7360
cis-1,3-Dichloropropene	6.6	26		0.43	5 U	5 U	5 U	5 U	2 U	2 U	2 U	1 U	200 U	10 U		
Dodecane																
Ethanol																
Ethylbenzene	700	700	700	1.5	4 U	4 U	5 U	5 U	2 U	2 U	2 U	1 U	200 U		0 U	0 U
Isopropylbenzene	840	3500		680												
Methyl tert-butyl ether	20	20		12					2 U	2 U	2 U	1 U				
Methylene chloride	5	5		4.8	3 U	3 U	5 U	5 U	0.47 J	0.92 JB	2 U	1 U	200 U	10 U	0 U	0 U
Naphthalene	100	100		0.14												

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 2.4-3
Groundwater Data Summary - VOC 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 6/9/2004	MW-74S 6/14/2005	MW-74S 6/22/2006	MW-74S 6/28/2007	MW-74S 4/29/2008	MW-74S 9/16/2008	MW-74S 6/22/2009	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
P-Xylene	10000	10000	10000	1200												
Styrene	100	100	100	1600					2 U	2 U	2 U	1 U	200 U			
Tetrachloroethene	5	5	5	0.11	5.6	2.2	7.8	4.4 J	5	5.8	5.8	3.5	6200	10000	4780	3020
Toluene	1000	1000	1000	2300	5 U	5 U	5 U	5 U	2 U	2 U	2 U	1 U	200 U		0 U	0 U
trans-1,2-Dichloroethene	100	100	100	110	5 U	5 U	5 U	5 U	2 U	2 U	0.73 J	0.54 J		10 U	0 U	8.3
trans-1,3-Dichloropropene	6.6	26		0.43	5 U	5 U	5 U	5 U	2 U	2 U	2 U	1 U	200 U	10 U		
Trichloroethene	5	5	5	2	77	34	60	50	42	34	52	33	3200	4700	1380	1470
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	5 U	5 U	5 U	5 U	2 U	2 U	2 U	1 U	200 U	10 U	0 U	0 U
VOC Library Search													0 U			
Xylenes (Total)	10000	10000	10000	200					6 U	6 U	6 U	3 U	200 U		0 U	0 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 2.4-3
Groundwater Data Summary - VOC 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 6/6/2003	MW-75D 4/16/2004	MW-75D Dup 6/10/2004	MW-75D 6/10/2004	MW-75D 6/17/2005	MW-75D 6/24/2006	MW-75D 6/29/2007	MW-75D 5/21/2008	MW-75D 10/2/2008	MW-75D 7/13/2009	MW-75S 9/17/1999
TOTAL VOC															
				0	40100	45450	49470	40840	25750	6130	2360	6074	4168	46200	47417
Volatile Organic Compound															
1,1,1,2-Tetrachloroethane	70	70		0.52								50 U	200 U	200 U	
1,1,1-Trichloroethane	200	200	200	9100	240	680 J	930 J	1000 J	620 J	350 J	190 J	45 J	110 J	200 U	1200
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067		250 U	250 U	250 U	200 U	500 U	200 U	50 U	200 U	200 U	1000 U
1,1,2-Trichloroethane	5	5	5	0.24	0 U	750 U	750 U	750 U	600 U	500 U	200 U	50 U	200 U	200 U	1000 U
1,1,2-Trichlorofluoromethane	2000	2000		1300											
1,1-Dichloroethane	31	160		2.4	13.7	1200 U	1200 U	1200 U	1000 U	500 U	200 U	50 U	200 U	200 U	1000 U
1,1-Dichloroethene	7	7	7	340	50	120 J	500 U	500 U	400 U	500 U	200 U	13 J	200 U	200 U	1000 U
1,2,4-Trimethylbenzene	15	62		15											
1,2-Dibromoethane	0.05	0.05	0.05	0.0065								50 U	200 U	200 U	
1,2-Dichloroethane	5	5	5	0.15	0 U	500 U	500 U	500 U	400 U	500 U	200 U	50 U	200 U	200 U	1000 U
1,2-Dichloroethene	70	70	70	330											1000 U
1,2-Dichloropropane	5	5	5	0.39		250 U	250 U	250 U	200 U	500 U	200 U	50 U	200 U	200 U	1000 U
1,3,5-Trimethylbenzene	13	53		370											
1,3-Dichlorobenzene	600	600													10 U
1,4-Dioxane	6.4	32		0.67			250000 U	250000 U	200000 U	100000 U	40000 U	10000 U	40000 U	40000 U	
2-Butanone	4000	4000		7100		1200 U	1200 U	1200 U	1000 U	500 U	200 U	500 U	2000 U	2000 U	4000 U
2-Chloroethyl Vinyl Ether						1200 U	1200 U	1200 U	1000 U	1000 U	400 U				
2-Hexanone	11	44		47								500 U	2000 U	2000 U	4000 U
4-Methyl-2-Pentanone	2900	8200		2000								500 U	2000 U	2000 U	2000 U
Acetone	33000	92000		22000								500 U	2000 U	2000 U	4000 U
Acrolein	0.042	0.18		0.042		25000 U	25000 U	25000 U	20000 U	10000 U	4000 U				
Acrylonitrile	0.72	3.7		0.045		12000 U	12000 U	12000 U	10000 U	10000 U	4000 U	1000 U	4000 U	4000 U	
Benzene	5	5	5	0.41	0 U	250 U	250 U	250 U	200 U	500 U	200 U	50 U	200 U	200 U	1000 U
Bromochloromethane	90	90										50 U	200 U	200 U	
Bromodichloromethane	80	80		0.12	0 U	250 U	250 U	250 U	200 U	500 U	200 U	50 U	200 U	200 U	1000 U
Bromoform	80	80		8.5		1000 U	1000 U	1000 U	800 U	500 U	200 U	50 U	200 U	200 U	1000 U
Bromomethane	10	10		8.7		1200 U	1200 U	1200 U	1000 U	500 U	200 U	50 U	200 U	200 U	1000 U
Carbon Disulfide	1500	6200		1000								50 U	200 U	200 U	2000 U
Carbon Tetrachloride	5	5	5	0.44	0 U	500 U	500 U	500 U	400 U	500 U	200 U	50 U	200 U	200 U	1000 U
Chlorobenzene	100	100	100	91	0 U	1200 U	1200 U	1200 U	1000 U	500 U	200 U	50 U	200 U	200 U	1000 U
Chlorodibromomethane	80	80		0.15		1200 U	1200 U	1200 U	1000 U	500 U	200 U	50 U	200 U	200 U	1000 U
Chloroethane	230	900		21000	0 U	1200 U	1200 U	1200 U	1000 U	500 U	200 U	50 U	200 U	200 U	1000 U
Chloroform	80	80		0.19	1.6	1200 U	1200 U	1200 U	1000 U	500 U	200 U	50 U	200 U	200 U	1000 U
Chloromethane	30	30		190		1200 U	1200 U	1200 U	1000 U	500 U	200 U	50 U	200 U	200 U	1000 U
cis-1,2-Dichloroethene	70	70	70	73		1300	520 J	470 J	690 J	1400	840	62	80 J	68 J	
cis-1,3-Dichloropropene	6.6	26		0.43		1200 U	1200 U	1200 U	1000 U	500 U	200 U	50 U	200 U	200 U	1000 U
Dodecane															
Ethanol															
Ethylbenzene	700	700	700	1.5	0 U	1000 U	1000 U	1000 U	800 U	500 U	200 U	50 U	200 U	200 U	1000 U
Isopropylbenzene	840	3500		680											
Methyl tert-butyl ether	20	20		12								50 U	200 U	200 U	
Methylene chloride	5	5		4.8	0 U	750 U	750 U	750 U	600 U	500 U	200 U	120 B	84 J	200 U	1000 U
Naphthalene	100	100		0.14											

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 2.4-3
Groundwater Data Summary - VOC 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 6/6/2003	MW-75D 4/16/2004	MW-75D Dup 6/10/2004	MW-75D 6/10/2004	MW-75D 6/17/2005	MW-75D 6/24/2006	MW-75D 6/29/2007	MW-75D 5/21/2008	MW-75D 10/2/2008	MW-75D 7/13/2009	MW-75S 9/17/1999
P-Xylene	10000	10000	10000	1200											
Styrene	100	100	100	1600								50 U	200 U	200 U	1000 U
Tetrachloroethene	5	5	5	0.11	5160	20000	34000	37000	28000	10000	1300	1500	4300	2900	30000
Toluene	1000	1000	1000	2300	0 U	1200 U	1200 U	1200 U	530 J	500 U	200 U	50 U	200 U	200 U	1000 U
trans-1,2-Dichloroethene	100	100	100	110	8	1200 U	1200 U	1200 U	1000 U	500 U	200 U	50 U	200 U	200 U	
trans-1,3-Dichloropropene	6.6	26		0.43		1200 U	1200 U	1200 U	1000 U	500 U	200 U	50 U	200 U	200 U	1000 U
Trichloroethene	5	5	5	2	4780	18000	10000	11000	11000	14000	3800	620	1500	1200	15000
Vinyl Acetate	420	1800		410											
Vinyl Chloride	2	2	2	0.016	0 U	1200 U	1200 U	1200 U	1000 U	500 U	200 U	50 U	200 U	200 U	1000 U
VOC Library Search															0 U
Xylenes (Total)	10000	10000	10000	200								150 U	600 U	600 U	2000 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 2.4-3
Groundwater Data Summary - VOC 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-75S 4/7/2000	MW-75S 6/26/2001	MW-75S 6/18/2002	MW-75S 6/6/2003	MW-75S 4/15/2004	MW-75S 6/10/2004	MW-75S 6/17/2005	MW-75S 6/23/2006	MW-75S 6/29/2007	MW-75S 5/21/2008
TOTAL VOC														
				0	49186	49597	23281.4	13335	44670	32020	30230	35130	48680	26870
Volatile Organic Compound														
1,1,1,2-Tetrachloroethane	70	70		0.52										2000 U
1,1,1-Trichloroethane	200	200	200	9100	1620	1710	778	511	300 J	1100 J	550 J	690 J	1000 U	1000 J
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	10 U				100 U	250 U	200 U	1000 U	1000 U	2000 U
1,1,2-Trichloroethane	5	5	5	0.24	10 U	0 U	0 U	0 U	300 U	750 U	600 U	1000 U	1000 U	2000 U
1,1,2-Trichlorofluoromethane	2000	2000		1300	10 U									
1,1-Dichloroethane	31	160		2.4	21	0 U	19	18	500 U	1200 U	1000 U	1000 U	1000 U	2000 U
1,1-Dichloroethene	7	7	7	340	163	233	91	70.1	45 J	500 U	400 U	1000 U	1000 U	2000 U
1,2,4-Trimethylbenzene	15	62		15										
1,2-Dibromoethane	0.05	0.05	0.05	0.0065										2000 U
1,2-Dichloroethane	5	5	5	0.15	10 U	0 U	0 U	0 U	200 U	500 U	400 U	1000 U	1000 U	2000 U
1,2-Dichloroethene	70	70	70	330										
1,2-Dichloropropane	5	5	5	0.39	10 U				100 U	250 U	200 U	1000 U	1000 U	2000 U
1,3,5-Trimethylbenzene	13	53		370										
1,3-Dichlorobenzene	600	600			20 U									
1,4-Dioxane	6.4	32		0.67						250000 U	200000 U	200000 U	200000 U	400000 U
2-Butanone	4000	4000		7100					500 U	1200 U	1000 U	1000 U	1000 U	20000 U
2-Chloroethyl Vinyl Ether					10 U				500 U	1200 U	1000 U	2000 U	2000 U	
2-Hexanone	11	44		47										20000 U
4-Methyl-2-Pentanone	2900	8200		2000										20000 U
Acetone	33000	92000		22000		0 U	0 U							20000 U
Acrolein	0.042	0.18		0.042					10000 U	25000 U	20000 U	20000 U	20000 U	
Acrylonitrile	0.72	3.7		0.045					5000 U	12000 U	10000 U	20000 U	20000 U	40000 U
Benzene	5	5	5	0.41		0 U	0 U	0 U	100 U	250 U	200 U	1000 U	1000 U	2000 U
Bromochloromethane	90	90												2000 U
Bromodichloromethane	80	80		0.12	10 U	0 U	0 U	0 U	100 U	250 U	200 U	1000 U	1000 U	2000 U
Bromoform	80	80		8.5	10 U				400 U	1000 U	800 U	1000 U	1000 U	2000 U
Bromomethane	10	10		8.7	20 U				500 U	1200 U	1000 U	1000 U	1000 U	2000 U
Carbon Disulfide	1500	6200		1000		0 U	0 U							2000 U
Carbon Tetrachloride	5	5	5	0.44	10 U	0 U	0 U	0 U	200 U	500 U	400 U	1000 U	1000 U	2000 U
Chlorobenzene	100	100	100	91	20 U	0 U	0 U	0 U	500 U	1200 U	1000 U	1000 U	1000 U	2000 U
Chlorodibromomethane	80	80		0.15	10 U				500 U	1200 U	1000 U	1000 U	1000 U	2000 U
Chloroethane	230	900		21000	20 U	0 U	0 U	0 U	500 U	1200 U	1000 U	1000 U	1000 U	2000 U
Chloroform	80	80		0.19	10 U	0 U	0 U	1.2	500 U	1200 U	1000 U	1000 U	1000 U	2000 U
Chloromethane	30	30		190					500 U	1200 U	1000 U	1000 U	1000 U	2000 U
cis-1,2-Dichloroethene	70	70	70	73		743	339		190 J	270 J	270 J	440 J	630 J	680 J
cis-1,3-Dichloropropene	6.6	26		0.43	10 U				500 U	1200 U	1000 U	1000 U	1000 U	2000 U
Dodecane														
Ethanol														
Ethylbenzene	700	700	700	1.5		0 U	0 U	0 U	400 U	1000 U	800 U	1000 U	1000 U	2000 U
Isopropylbenzene	840	3500		680										
Methyl tert-butyl ether	20	20		12										2000 U
Methylene chloride	5	5		4.8	10 U	0 U	0 U	0 U	300 U	750 U	600 U	1000 U	1000 U	5000 B
Naphthalene	100	100		0.14										

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 2.4-3
Groundwater Data Summary - VOC 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-75S 4/7/2000	MW-75S 6/26/2001	MW-75S 6/18/2002	MW-75S 6/6/2003	MW-75S 4/15/2004	MW-75S 6/10/2004	MW-75S 6/17/2005	MW-75S 6/23/2006	MW-75S 6/29/2007	MW-75S 5/21/2008
P-Xylene	10000	10000	10000	1200										
Styrene	100	100	100	1600										2000 U
Tetrachloroethene	5	5	5	0.11	32500	31400	39900	18000	9400	35000	26000	21000	25000	32000
Toluene	1000	1000	1000	2300		0 U	0 U	0 U	500 U	1200 U	1000 U	1000 U	1000 U	2000 U
trans-1,2-Dichloroethene	100	100	100	110	10 U	0 U	0 U	1.1	500 U	1200 U	1000 U	1000 U	1000 U	2000 U
trans-1,3-Dichloropropene	6.6	26		0.43	10 U				500 U	1200 U	1000 U	1000 U	1000 U	2000 U
Trichloroethene	5	5	5	2	13100	15100	8470	4680	3400	8300	5200	8100	9500	10000
Vinyl Acetate	420	1800		410										
Vinyl Chloride	2	2	2	0.016	13	0 U	0 U	0 U	500 U	1200 U	1000 U	1000 U	1000 U	2000 U
VOC Library Search														
Xylenes (Total)	10000	10000	10000	200		0 U	0 U							6000 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 2.4-3
Groundwater Data Summary - VOC 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-75S 10/6/2008	MW-75S 7/14/2009	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	MW-76 6/2/2003	MW-77 9/10/1999	MW-77 3/24/2000	MW-77 4/24/2008	MW-77 10/2/2008
TOTAL VOC																
				0	26600	31340	92	25.4	92.4	61.1	58.8	3197	23.1	3110	2067.5	2980
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52	1000 U	2000 U	1200 U								100 U	100 U
1,1,1-Trichloroethane	200	200	200	9100	680 J	2000 U	630 J	2	1 U	0 U	0 U	0 U	1 U	1 U	100 U	100 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1000 U	2000 U	1200 U	1 U	1 U				1 U	1 U	100 U	100 U
1,1,2-Trichloroethane	5	5	5	0.24	1000 U	2000 U	1200 U	1 U	1 U	0 U	0 U	0 U	1 U	1 U	100 U	100 U
1,1,2-Trichlorofluoromethane	2000	2000		1300					1 U					1 U		
1,1-Dichloroethane	31	160		2.4	1000 U	2000 U	1200 U	1	1 U	1.7	1	0 U	1 U	1 U	100 U	100 U
1,1-Dichloroethene	7	7	7	340	1000 U	2000 U	1200 U	1 U	1 U	0 U	0 U	0 U	1 U	1 U	100 U	100 U
1,2,4-Trimethylbenzene	15	62		15											35 J	44
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	1000 U	2000 U	1200 U								100 U	100 U
1,2-Dichloroethane	5	5	5	0.15	1000 U	2000 U	1200 U	1 U	1 U	0 U	0 U	0 U	1 U	21	100 U	100 U
1,2-Dichloroethene	70	70	70	330				19					1 U			
1,2-Dichloropropane	5	5	5	0.39	1000 U	2000 U	1200 U	1 U	1 U				1 U	1 U	100 U	100 U
1,3,5-Trimethylbenzene	13	53		370											100 U	8.5 J
1,3-Dichlorobenzene	600	600						10 U	2 U				10 U	2 U		
1,4-Dioxane	6.4	32		0.67	200000 U	400000 U	250000 U								20000 U	20000 U
2-Butanone	4000	4000		7100	10000 U	20000 U	12000 U	20 U					20 U		1000 U	1000 U
2-Chloroethyl Vinyl Ether									1 U					1 U		
2-Hexanone	11	44		47	10000 U	20000 U	12000 U	20 U					20 U		1000 U	1000 U
4-Methyl-2-Pentanone	2900	8200		2000	10000 U	20000 U	12000 U	10 U					10 U		1000 U	1000 U
Acetone	33000	92000		22000	10000 U	20000 U	12000 U	20 U		0 U	0 U		20 U		1000 U	1000 U
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045	20000 U	40000 U	25000 U								2000 U	2000 U
Benzene	5	5	5	0.41	1000 U	2000 U	1200 U	1 U		0 U	0 U	0 U	2100		1900	1200
Bromochloromethane	90	90			1000 U	2000 U	1200 U								100 U	100 U
Bromodichloromethane	80	80		0.12	1000 U	2000 U	1200 U	1 U	1 U	0 U	0 U	0 U	1 U	1 U	100 U	100 U
Bromoform	80	80		8.5	1000 U	2000 U	1200 U	1 U	1 U				1 U	1 U	100 U	100 U
Bromomethane	10	10		8.7	1000 U	2000 U	1200 U	1 U	2 U				1 U	2 U	100 U	100 U
Carbon Disulfide	1500	6200		1000	1000 U	2000 U	1100 J B	10 U		0 U	0 U		10 U		100 U	100 U
Carbon Tetrachloride	5	5	5	0.44	1000 U	2000 U	1200 U	1 U	1 U	0 U	0 U	0 U	1 U	1 U	100 U	100 U
Chlorobenzene	100	100	100	91	1000 U	2000 U	1200 U	1 U	2 U	0 U	0 U	0 U	1 U	2 U	100 U	100 U
Chlorodibromomethane	80	80		0.15	1000 U	2000 U	1200 U	1 U	1 U				1 U	1 U	100 U	100 U
Chloroethane	230	900		21000	1000 U	2000 U	1200 U	1 U	2 U	0 U	0 U	0 U	1 U	2 U	100 U	100 U
Chloroform	80	80		0.19	1000 U	2000 U	1200 U	1 U	1 U	0 U	0 U	0 U	1 U	1 U	100 U	100 U
Chloromethane	30	30		190	1000 U	2000 U	1200 U	1 U					1 U		100 U	100 U
cis-1,2-Dichloroethene	70	70	70	73	390 J	2000 U	410 J			30	20				100 U	100 U
cis-1,3-Dichloropropene	6.6	26		0.43	1000 U	2000 U	1200 U	1 U	1 U				1 U	1 U	100 U	100 U
Dodecane																
Ethanol																
Ethylbenzene	700	700	700	1.5	1000 U	2000 U	1200 U	1 U		0 U	0 U	0 U	100		87 J	58 J
Isopropylbenzene	840	3500		680											100 U	24
Methyl tert-butyl ether	20	20		12	1000 U	2000 U	1200 U						67 J		790	470
Methylene chloride	5	5		4.8	1000 U	2000 U	1200 U	1 U	1 U	0 U	0 U	0 U	1 U	1 U	100 U	100 U
Naphthalene	100	100		0.14											66 J	110

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 2.4-3
Groundwater Data Summary - VOC 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-75S 10/6/2008	MW-75S 7/14/2009	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	MW-76 6/2/2003	MW-77 9/10/1999	MW-77 3/24/2000	MW-77 4/24/2008	MW-77 10/2/2008
P-Xylene	10000	10000	10000	1200									150 J			
Styrene	100	100	100	1600	1000 U	2000 U	1200 U	1 U					1 U		100 U	100 U
Tetrachloroethene	5	5	5	0.11	19000	20000	22000	20	6.4	7.7	7.1	15.3	1 U	1	100 U	100 U
Toluene	1000	1000	1000	2300	1000 U	2000 U	1200 U	1 U		0 U	0 U	0 U	180		82 J	53 J
trans-1,2-Dichloroethene	100	100	100	110	1000 U	2000 U	1200 U		1 U	0 U	0 U	0 U		1 U	100 U	100 U
trans-1,3-Dichloropropene	6.6	26		0.43	1000 U	2000 U	1200 U	1 U	1 U				1 U	1 U	100 U	100 U
Trichloroethene	5	5	5	2	6800	6600	7200	50	19	53	33	43.5	1 U	1.1	100 U	100 U
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	1000 U	2000 U	1200 U	1 U	1 U	0 U	0 U	0 U	1 U	1 U	100 U	100 U
VOC Library Search								0 U					0 U			
Xylenes (Total)	10000	10000	10000	200	3000 U	6000 U	3800 U	1 U		0 U	0 U		600		150 J	100 J

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 2.4-3
Groundwater Data Summary - VOC 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 7/8/2009	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 6/14/2005	MW-79 6/20/2006	MW-79 6/25/2007	MW-79 4/24/2008	MW-79 9/15/2008	MW-79 6/22/2009
TOTAL VOC																	
				0	2948	0	0	0.28	38	21.1	22.2	26.1	34.3	54.2	42.49	78.3	16
Volatile Organic Compound																	
1,1,1,2-Tetrachloroethane	70	70		0.52	100 U	100 U			1 U						1 U	1 U	4 U
1,1,1-Trichloroethane	200	200	200	9100	100 U	100 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	0.37 J	1 U	4 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	100 U	100 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	1 U	1 U	4 U
1,1,2-Trichloroethane	5	5	5	0.24	100 U	100 U	1 U	1 U	1 U	1 U	1 U	3 U	5 U	5 U	1 U	1 U	4 U
1,1,2-Trichlorofluoromethane	2000	2000		1300				1 U			1 U						
1,1-Dichloroethane	31	160		2.4	100 U	100 U	1 U	1 U	0.28 J	12	16	8.6	8.3	9.8	13	13	21
1,1-Dichloroethene	7	7	7	340	100 U	100 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	0.79 J	0.49 J	4 U
1,2,4-Trimethylbenzene	15	62		15											1 U	1 U	
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	100 U	100 U			1 U						1 U	1 U	4 U
1,2-Dichloroethane	5	5	5	0.15	100 U	100 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	4 U
1,2-Dichloroethene	70	70	70	330			1 U			22							
1,2-Dichloropropane	5	5	5	0.39	100 U	100 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	1 U	1 U	4 U
1,3,5-Trimethylbenzene	13	53		370											1 U	1 U	
1,3-Dichlorobenzene	600	600					10 U	2 U		10 U	2 U						
1,4-Dioxane	6.4	32		0.67	20000 U	20000 U			200 U			1000 U	1000 U	1000 U	200 U	200 U	800 U
2-Butanone	4000	4000		7100	1000 U	1000 U	20 U		10 U	20 U		5 U	5 U	5 U	10 U	10 U	40 U
2-Chloroethyl Vinyl Ether								1 U			1 U	5 U	10 U	10 U			
2-Hexanone	11	44		47	1000 U	1000 U	20 U		10 U	20 U					10 U	10 U	40 U
4-Methyl-2-Pentanone	2900	8200		2000	1000 U	1000 U	10 U		10 U	10 U					10 U	10 U	40 U
Acetone	33000	92000		22000	1000 U	1000 U	20 U		10 U	20 U					10 U	10 U	40 U
Acrolein	0.042	0.18		0.042								100 U	100 U	100 U			
Acrylonitrile	0.72	3.7		0.045	2000 U	2000 U			20 U			50 U	100 U	100 U	20 U	20 U	80 U
Benzene	5	5	5	0.41	2000	2000	1 U		1 U	1 U		1 U	5 U	5 U	0.47 J	1 U	4 U
Bromochloromethane	90	90			100 U	100 U			1 U						1 U	1 U	4 U
Bromodichloromethane	80	80		0.12	100 U	100 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	1 U	1 U	4 U
Bromoform	80	80		8.5	100 U	100 U	1 U	1 U	1 U	1 U	1 U	4 U	5 U	5 U	1 U	1 U	4 U
Bromomethane	10	10		8.7	100 U	100 U	1 U	2 U	1 U	1 U	2 U	5 U	5 U	5 U	1 U	1 U	4 U
Carbon Disulfide	1500	6200		1000	100 U	78 J	10 U		1 U	10 U					1 U	1 U	4 U
Carbon Tetrachloride	5	5	5	0.44	100 U	100 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	4 U
Chlorobenzene	100	100	100	91	100 U	100 U	1 U	2 U	1 U	1 U	2 U	5 U	5 U	5 U	1 U	1 U	4 U
Chlorodibromomethane	80	80		0.15	100 U	100 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	1 U	1 U	4 U
Chloroethane	230	900		21000	100 U	100 U	1 U	2 U	1 U	1 U	2 U	5 U	5 U	5 U	1 U	1 U	4 U
Chloroform	80	80		0.19	100 U	100 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	1 U	1 U	4 U
Chloromethane	30	30		190	100 U	100 U	1 U		1 U	1 U		5 U	5 U	5 U	1 U	1 U	4 U
cis-1,2-Dichloroethene	70	70	70	73	100 U	100 U			1 U			11	16	22	36	26	53
cis-1,3-Dichloropropene	6.6	26		0.43	100 U	100 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	1 U	1 U	4 U
Dodecane																	
Ethanol																	
Ethylbenzene	700	700	700	1.5	110	120	1 U		1 U	1 U		4 U	5 U	5 U	0.12 J	1 U	4 U
Isopropylbenzene	840	3500		680											1 U	1 U	
Methyl tert-butyl ether	20	20		12	610	700			1 U						1 U	1 U	4 U
Methylene chloride	5	5		4.8	100 U	100 U	1 U	1 U	1 U	1 U	1 U	3 U	5 U	5 U	1 U	1 U	4 U
Naphthalene	100	100		0.14											0.18 J	1 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 2.4-3
Groundwater Data Summary - VOC 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 7/8/2009	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 6/14/2005	MW-79 6/20/2006	MW-79 6/25/2007	MW-79 4/24/2008	MW-79 9/15/2008	MW-79 6/22/2009
P-Xylene	10000	10000	10000	1200													
Styrene	100	100	100	1600	100 U	100 U	1 U		1 U	1 U					1 U	1 U	4 U
Tetrachloroethene	5	5	5	0.11	100 U	100 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	0.24 J	1 U	4 U
Toluene	1000	1000	1000	2300	100	50 J	1 U		1 U	1 U		5 U	5 U	5 U	1 U	1 U	4 U
trans-1,2-Dichloroethene	100	100	100	110	100 U	100 U		1 U	1 U		1 U	5 U	5 U	5 U	0.61 J	1.4	1.6 J
trans-1,3-Dichloropropene	6.6	26		0.43	100 U	100 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	1 U	1 U	4 U
Trichloroethene	5	5	5	2	100 U	100 U	1 U	1 U	1 U	4	5.1	2.6	1.8 J	2.5 J	1.9	1.6	2.7 J
Vinyl Acetate	420	1800		410													
Vinyl Chloride	2	2	2	0.016	100 U	100 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	0.31 J	1 U	4 U
VOC Library Search							0 U			0 U							
Xylenes (Total)	10000	10000	10000	200	160 J	300 U	2 U		3 U	1 U					0.21 J	3 U	12 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 2.4-3
Groundwater Data Summary - VOC 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 6/5/2003	MW-81D 6/10/2004	MW-81D 6/17/2005	MW-81D 6/24/2006
TOTAL VOC																
				0	2.6	291.2	284.1	1980	1019	1754.9	741.6	314.2	1148	1002.1	850	404
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52			10 U	10 U								
1,1,1-Trichloroethane	200	200	200	9100	1 U	1 U	3.4 J	3.1 J	3	10 U	1.8	0 U	0 U	50 U	25 U	25 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	10 U	10 U	1 U	10 U				10 U	5 U	25 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	1 U	10 U	10 U	1 U	10 U	0 U	0 U	0 U	30 U	15 U	25 U
1,1,2-Trichlorofluoromethane	2000	2000		1300		1 U				10 U						
1,1-Dichloroethane	31	160		2.4	1 U	1 U	10 U	10 U	12	10 U	12	4.3	7	50 U	5.5 J	25 U
1,1-Dichloroethene	7	7	7	340	1 U	1 U	4.4 J	4.1 J	16	10 U	15	4.2	5.9	20 U	10 U	25 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0065			10 U	10 U								
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	10 U	10 U	1 U	10 U	0 U	0 U	0 U	20 U	10 U	25 U
1,2-Dichloroethene	70	70	70	330	3				360							
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	10 U	10 U	1 U	10 U				10 U	5 U	25 U
1,3,5-Trimethylbenzene	13	53		370												
1,3-Dichlorobenzene	600	600			10 U	2 U			10 U	20 U						
1,4-Dioxane	6.4	32		0.67			2000 U	2000 U						10000 U	5000 U	5000 U
2-Butanone	4000	4000		7100	20 U		100 U	100 U	20 U					50 U	25 U	25 U
2-Chloroethyl Vinyl Ether						1 U				10 U				50 U	25 U	50 U
2-Hexanone	11	44		47	20 U		100 U	100 U	20 U							
4-Methyl-2-Pentanone	2900	8200		2000	10 U		100 U	100 U	10 U							
Acetone	33000	92000		22000	20 U		100 U	100 U	20 U		0 U	0 U				
Acrolein	0.042	0.18		0.042										1000 U	500 U	500 U
Acrylonitrile	0.72	3.7		0.045			200 U	200 U						500 U	250 U	500 U
Benzene	5	5	5	0.41	1 U		10 U	10 U	1 U		0 U	0 U	0 U	10 U	5 U	25 U
Bromochloromethane	90	90					10 U	10 U								
Bromodichloromethane	80	80		0.12	1 U	1 U	10 U	10 U	1 U	10 U	0 U	0 U	0 U	10 U	5 U	25 U
Bromoform	80	80		8.5	1 U	1 U	10 U	10 U	1 U	10 U				40 U	20 U	25 U
Bromomethane	10	10		8.7	1 U	2 U	10 U	10 U	1 U	20 U				50 U	25 U	25 U
Carbon Disulfide	1500	6200		1000	10 U		10 U	3.7 J B	10 U		0 U	0 U				
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	10 U	10 U	3	10 U	3	0 U	0 U	20 U	10 U	25 U
Chlorobenzene	100	100	100	91	1 U	2 U	10 U	10 U	1 U	20 U	0 U	0 U	0 U	50 U	25 U	25 U
Chlorodibromomethane	80	80		0.15	1 U	1 U	10 U	10 U	1 U	10 U				50 U	25 U	25 U
Chloroethane	230	900		21000	1 U	2 U	10 U	10 U	1 U	20 U	0 U	0 U	0 U	50 U	25 U	25 U
Chloroform	80	80		0.19	1 U	1 U	10 U	10 U	3	10 U	3	1.1	1.8	50 U	25 U	25 U
Chloromethane	30	30		190	1 U		10 U	10 U	1 U					50 U	25 U	25 U
cis-1,2-Dichloroethene	70	70	70	73			97	99			345	187		260	220	210
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	10 U	10 U	1 U	10 U				50 U	25 U	25 U
Dodecane																
Ethanol																
Ethylbenzene	700	700	700	1.5	1 U		10 U	10 U	1 U		0 U	0 U	0 U	40 U	20 U	25 U
Isopropylbenzene	840	3500		680												
Methyl tert-butyl ether	20	20		12			10 U	10 U								
Methylene chloride	5	5		4.8	1 U	1 U	2.9 J	10 U	1 U	10 U	0 U	0 U	0 U	30 U	15 U	25 U
Naphthalene	100	100		0.14												

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 2.4-3
Groundwater Data Summary - VOC 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 6/5/2003	MW-81D 6/10/2004	MW-81D 6/17/2005	MW-81D 6/24/2006
P-Xylene	10000	10000	10000	1200												
Styrene	100	100	100	1600	1 U		10 U	10 U	1 U							
Tetrachloroethene	5	5	5	0.11	1 U	1 U	3.5 J	4.2 J	83	89	153	54	53.2	68	48	30
Toluene	1000	1000	1000	2300	1 U		10 U	10 U	1 U		0 U	0 U	0 U	50 U	25 U	25 U
trans-1,2-Dichloroethene	100	100	100	110		1 U	10 U	10 U		10 U	2.1	0 U	1.3	50 U	8.6 J	25 U
trans-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	10 U	10 U	1 U	10 U				50 U	25 U	25 U
Trichloroethene	5	5	5	2	13	2.6	180	170	1500	930	1220	491	245	820	720	610
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	1 U	1 U	10 U	10 U	1 U	10 U	0 U	0 U	0 U	50 U	25 U	25 U
VOC Library Search					0 U				0 U							
Xylenes (Total)	10000	10000	10000	200	1 U		30 U	30 U	1 U		0 U	0 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 2.4-3
Groundwater Data Summary - VOC 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-81D 6/28/2007	MW-81D 5/23/2008	MW-81D 10/7/2008	MW-81D 7/13/2009	MW-81D 7/8/2010	MW-81S 9/13/1999	MW-81S 4/4/2000	MW-81S 6/26/2001	MW-81S 6/17/2002	MW-81S 6/5/2003	MW-81S 6/10/2004	MW-81S 6/17/2005
TOTAL VOC																
				0	1579	1202	1243	1123	4266	3257	4013.8	1830.2	1521.3	3084	2680	4200
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52		50 U	50 U	50 U	50 U							
1,1,1-Trichloroethane	200	200	200	9100	25 U	50 U	50 U	50 U	50 U	3	10 U	0 U	0 U	1.3	100 U	100 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	25 U	50 U	50 U	50 U	50 U	1 U	10 U				20 U	20 U
1,1,2-Trichloroethane	5	5	5	0.24	25 U	50 U	50 U	50 U	50 U	1 U	10 U	0 U	0 U	0 U	60 U	60 U
1,1,2-Trichlorofluoromethane	2000	2000		1300							10 U					
1,1-Dichloroethane	31	160		2.4	25 U	50 U	50 U	50 U	50 U	34	24	28	13	39.1	22 J	17 J
1,1-Dichloroethene	7	7	7	340	25 U	50 U	50 U	50 U	50 U	50 U	37	35	19	52	27 J	14 J
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0065		50 U	50 U	50 U	50 U							
1,2-Dichloroethane	5	5	5	0.15	25 U	50 U	50 U	50 U	50 U	1	10 U	1	0 U	1	40 U	40 U
1,2-Dichloroethene	70	70	70	330						860						
1,2-Dichloropropane	5	5	5	0.39	25 U	50 U	50 U	50 U	50 U	1 U	10 U				20 U	20 U
1,3,5-Trimethylbenzene	13	53		370												
1,3-Dichlorobenzene	600	600								10 U	20 U					
1,4-Dioxane	6.4	32		0.67	5000 U	10000 U	10000 U	10000 U	10000 U						20000 U	20000 U
2-Butanone	4000	4000		7100	25 U	500 U	500 U	500 U	500 U	20 U					100 U	100 U
2-Chloroethyl Vinyl Ether					50 U						10 U				100 U	100 U
2-Hexanone	11	44		47		500 U	500 U	500 U	500 U	20 U						
4-Methyl-2-Pentanone	2900	8200		2000		500 U	500 U	500 U	500 U	10 U						
Acetone	33000	92000		22000		500 U	500 U	500 U	500 U	20 U		0 U	0 U			
Acrolein	0.042	0.18		0.042	500 U										2000 U	2000 U
Acrylonitrile	0.72	3.7		0.045	500 U	1000 U	1000 U	1000 U	1000 U						1000 U	1000 U
Benzene	5	5	5	0.41	25 U	50 U	50 U	50 U	50 U	1 U		0 U	0 U	0 U	20 U	20 U
Bromochloromethane	90	90				50 U	50 U	50 U	50 U							
Bromodichloromethane	80	80		0.12	25 U	50 U	50 U	50 U	50 U	1 U	10 U	0 U	0 U	0 U	20 U	20 U
Bromoform	80	80		8.5	25 U	50 U	50 U	50 U	50 U	1 U	10 U				80 U	80 U
Bromomethane	10	10		8.7	25 U	50 U	50 U	50 U	50 U	1 U	20 U				100 U	100 U
Carbon Disulfide	1500	6200		1000		50 U	50 U	50 U	38 J	10 U		0 U	0 U			
Carbon Tetrachloride	5	5	5	0.44	25 U	50 U	50 U	50 U	50 U	2	10 U	2	0 U	2.6	40 U	40 U
Chlorobenzene	100	100	100	91	25 U	50 U	50 U	50 U	50 U	1 U	20 U	0 U	0 U	0 U	100 U	100 U
Chlorodibromomethane	80	80		0.15	25 U	50 U	50 U	50 U	50 U	1 U	10 U				100 U	100 U
Chloroethane	230	900		21000	25 U	50 U	50 U	50 U	50 U	1 U	20 U	0 U	0 U	0 U	100 U	100 U
Chloroform	80	80		0.19	25 U	50 U	50 U	50 U	50 U	2	10	2.4	1.4	2.5	100 U	100 U
Chloromethane	30	30		190	25 U	50 U	50 U	50 U	50 U	1 U					100 U	100 U
cis-1,2-Dichloroethene	70	70	70	73	87	300	250	230	230			811	379		660	580
cis-1,3-Dichloropropene	6.6	26		0.43	25 U	50 U	50 U	50 U	50 U	1 U	10 U				100 U	100 U
Dodecane																
Ethanol																
Ethylbenzene	700	700	700	1.5	25 U	50 U	50 U	50 U	50 U	1 U		0 U	0 U	0 U	80 U	80 U
Isopropylbenzene	840	3500		680												
Methyl tert-butyl ether	20	20		12		50 U	50 U	50 U	50 U							
Methylene chloride	5	5		4.8	25 U	21 J	22 J	50 U	11 J B	1 U	10 U	0 U	0 U	0 U	60 U	60 U
Naphthalene	100	100		0.14												

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 2.4-3
Groundwater Data Summary - VOC 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-81D 6/28/2007	MW-81D 5/23/2008	MW-81D 10/7/2008	MW-81D 7/13/2009	MW-81D 7/8/2010	MW-81S 9/13/1999	MW-81S 4/4/2000	MW-81S 6/26/2001	MW-81S 6/17/2002	MW-81S 6/5/2003	MW-81S 6/10/2004	MW-81S 6/17/2005
P-Xylene	10000	10000	10000	1200												
Styrene	100	100	100	1600		50 U	50 U	50 U	50 U	1 U						
Tetrachloroethene	5	5	5	0.11	17 J	58	40 J	43 J	34 J	60	86	101	66	113	75	55
Toluene	1000	1000	1000	2300	25 U	50 U	50 U	50 U	50 U	1 U		0 U	0 U	0 U	100 U	100 U
trans-1,2-Dichloroethene	100	100	100	110	25 U	50 U	50 U	50 U	50 U		10 U	3.4	1.8	9.8	100 U	14 J
trans-1,3-Dichloropropene	6.6	26		0.43	25 U	50 U	50 U	50 U	50 U	1 U	10 U				100 U	100 U
Trichloroethene	5	5	5	2	300	1200	890 J	970	810	3300	3100	3030	1350	1300	2300	2000
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	25 U	50 U	50 U	50 U	50 U	4	10 U	0 U	0 U	0 U	100 U	100 U
VOC Library Search										0 U						
Xylenes (Total)	10000	10000	10000	200		150 U	150 U	150 U	150 U	1 U		0 U	0 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 2.4-3
Groundwater Data Summary - VOC 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 6/24/2006	MW-81S 6/28/2007	MW-81S 5/23/2008	MW-81S 10/7/2008	MW-81S 7/13/2009	MW-81S 7/9/2010	MW-82 9/10/1999
TOTAL VOC											
				0	4194	3708	3351	3483	3327	195	
Volatile Organic Compound											
1,1,1,2-Tetrachloroethane	70	70		0.52			120 U	120 U	120 U	120 U	
1,1,1-Trichloroethane	200	200	200	9100	120 U	120 U	120 U	120 U	120 U	120 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	120 U	120 U	120 U	120 U	120 U	120 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	120 U	120 U	120 U	120 U	120 U	120 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300							
1,1-Dichloroethane	31	160		2.4	27 J	120 U	120 U	120 U	15 J	120 U	1 U
1,1-Dichloroethene	7	7	7	340	30 J	37 J	26 J	120 U	120 U	120 U	1 U
1,2,4-Trimethylbenzene	15	62		15							
1,2-Dibromoethane	0.05	0.05	0.05	0.0065			120 U	120 U	120 U	120 U	
1,2-Dichloroethane	5	5	5	0.15	120 U	120 U	120 U	120 U	120 U	120 U	1 U
1,2-Dichloroethene	70	70	70	330							95
1,2-Dichloropropane	5	5	5	0.39	120 U	120 U	120 U	120 U	120 U	120 U	1 U
1,3,5-Trimethylbenzene	13	53		370							
1,3-Dichlorobenzene	600	600									10 U
1,4-Dioxane	6.4	32		0.67	25000 U	25000 U	25000 U	25000 U	25000 U	25000 U	
2-Butanone	4000	4000		7100	120 U	120 U	1200 U	1200 U	1200 U	1200 U	20 U
2-Chloroethyl Vinyl Ether					250 U	250 U					
2-Hexanone	11	44		47			1200 U	1200 U	1200 U	1200 U	20 U
4-Methyl-2-Pentanone	2900	8200		2000			1200 U	1200 U	1200 U	1200 U	10 U
Acetone	33000	92000		22000			1200 U	1200 U	1200 U	1200 U	20 U
Acrolein	0.042	0.18		0.042	2500 U	2500 U					
Acrylonitrile	0.72	3.7		0.045	2500 U	2500 U	2500 U	2500 U	2500 U	2500 U	
Benzene	5	5	5	0.41	120 U	120 U	120 U	120 U	120 U	120 U	1 U
Bromochloromethane	90	90					120 U	120 U	120 U	120 U	
Bromodichloromethane	80	80		0.12	120 U	120 U	120 U	120 U	120 U	120 U	1 U
Bromoform	80	80		8.5	120 U	120 U	120 U	120 U	120 U	120 U	1 U
Bromomethane	10	10		8.7	120 U	120 U	120 U	120 U	120 U	120 U	1 U
Carbon Disulfide	1500	6200		1000			120 U	120 U	120 U	760	10 U
Carbon Tetrachloride	5	5	5	0.44	120 U	120 U	120 U	120 U	120 U	120 U	1 U
Chlorobenzene	100	100	100	91	120 U	120 U	120 U	120 U	120 U	120 U	1 U
Chlorodibromomethane	80	80		0.15	120 U	120 U	120 U	120 U	120 U	120 U	1 U
Chloroethane	230	900		21000	120 U	120 U	120 U	120 U	120 U	120 U	1 U
Chloroform	80	80		0.19	120 U	120 U	120 U	120 U	120 U	120 U	1 U
Chloromethane	30	30		190	120 U	120 U	120 U	120 U	120 U	120 U	1 U
cis-1,2-Dichloroethene	70	70	70	73	1000	1000	730	750	720	530	
cis-1,3-Dichloropropene	6.6	26		0.43	120 U	120 U	120 U	120 U	120 U	120 U	1 U
Dodecane											
Ethanol											
Ethylbenzene	700	700	700	1.5	120 U	120 U	120 U	120 U	120 U	120 U	1 U
Isopropylbenzene	840	3500		680							
Methyl tert-butyl ether	20	20		12			120 U	120 U	120 U	120 U	
Methylene chloride	5	5		4.8	120 U	120 U	100 J	59 J	120 U	120 U	1 U
Naphthalene	100	100		0.14							

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 2.4-3
Groundwater Data Summary - VOC 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 6/24/2006	MW-81S 6/28/2007	MW-81S 5/23/2008	MW-81S 10/7/2008	MW-81S 7/13/2009	MW-81S 7/9/2010	MW-82 9/10/1999
P-Xylene	10000	10000	10000	1200							
Styrene	100	100	100	1600			120 U	120 U	120 U	120 U	1 U
Tetrachloroethene	5	5	5	0.11	43 J	57 J	52 J	42 J	48 J	37 J	4
Toluene	1000	1000	1000	2300	120 U	120 U	120 U	120 U	120 U	120 U	1 U
trans-1,2-Dichloroethene	100	100	100	110	120 U	120 U	120 U	120 U	120 U	120 U	
trans-1,3-Dichloropropene	6.6	26		0.43	120 U	120 U	120 U	120 U	120 U	120 U	1 U
Trichloroethene	5	5	5	2	3100	3100	2800	2500 J	2700	2000	96
Vinyl Acetate	420	1800		410							
Vinyl Chloride	2	2	2	0.016	120 U	120 U	120 U	120 U	120 U	120 U	1 U
VOC Library Search											0 U
Xylenes (Total)	10000	10000	10000	200			380 U	380 U	380 U	380 U	1 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 2.4-3
Groundwater Data Summary - VOC 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-82 3/31/2000	MW-82 6/20/2001	MW-82 6/12/2002	MW-82 6/4/2003	MW-82 6/8/2004	MW-82 6/14/2005	MW-82 6/22/2006	MW-82 6/26/2007	MW-82 4/25/2008	MW-82 9/12/2008	MW-82 6/23/2009	MW-82 6/18/2010	MW-83 9/13/1999
TOTAL VOC																	
				97.4	248.7	0	46.3	25.1	22.9	5.4	9.8	75.25	80.78	59.21	56.92	566	120.2
Volatile Organic Compound																	
1,1,1,2-Tetrachloroethane	70	70		0.52									1 U	1 U	1 U	1 U	
1,1,1-Trichloroethane	200	200	200	9100	1 U	0 U	0 U	0 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U				1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	0 U	0 U	0 U	3 U	3 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300	1 U												
1,1-Dichloroethane	31	160		2.4	1 U	0 U	0 U	0 U	5 U	5 U	5 U	5 U	0.24 J	0.36 J	0.21 J	0.3 J	7
1,1-Dichloroethene	7	7	7	340	1 U	0 U	0 U	0 U	2 U	2 U	5 U	5 U	1 U	0.32 J	1 U	1 U	5
1,2,4-Trimethylbenzene	15	62		15													
1,2-Dibromoethane	0.05	0.05	0.05	0.0065									1 U	1 U	1 U	1 U	
1,2-Dichloroethane	5	5	5	0.15	1 U	0 U	0 U	0 U	2 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330													550
1,2-Dichloropropane	5	5	5	0.39	1 U				1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	13	53		370													
1,3-Dichlorobenzene	600	600			2 U												10 U
1,4-Dioxane	6.4	32		0.67					1000 U	1000 U	1000 U	1000 U	200 U	200 U	200 U	200 U	
2-Butanone	4000	4000		7100					5 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U	20 U
2-Chloroethyl Vinyl Ether					1 U				5 U	5 U	10 U	10 U					
2-Hexanone	11	44		47									10 U	10 U	10 U	10 U	20 U
4-Methyl-2-Pentanone	2900	8200		2000									10 U	10 U	10 U	10 U	10 U
Acetone	33000	92000		22000		0 U	0 U						10 U	3.7 J	10 U	10 U	20 U
Acrolein	0.042	0.18		0.042					100 U	100 U	100 U	100 U					
Acrylonitrile	0.72	3.7		0.045					50 U	50 U	100 U	100 U	20 U	20 U	20 U	20 U	
Benzene	5	5	5	0.41		0 U	0 U	0 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	90	90											1 U	1 U	1 U	1 U	
Bromodichloromethane	80	80		0.12	1 U	0 U	0 U	0 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Bromoform	80	80		8.5	1 U				4 U	4 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	10	10		8.7	2 U				5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	1500	6200		1000		0 U	0 U						1 U	1 U	1 U	0.31 J	10 U
Carbon Tetrachloride	5	5	5	0.44	1 U	0 U	0 U	0 U	2 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	91	2 U	0 U	0 U	0 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	1 U				5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	230	900		21000	2 U	0 U	0 U	0 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Chloroform	80	80		0.19	1 U	0 U	0 U	0 U	5 U	5 U	5 U	5 U	0.15 J	1 U	1 U	1 U	1 U
Chloromethane	30	30		190					5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	70	70	70	73		135	0 U		16	22	5.4	9.8	40	35	29	28	
cis-1,3-Dichloropropene	6.6	26		0.43	1 U				5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5		0 U	0 U	0 U	4 U	4 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	840	3500		680													
Methyl tert-butyl ether	20	20		12									1 U	1 U	1 U	1 U	
Methylene chloride	5	5		4.8	1 U	0 U	0 U	0 U	3 U	3 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Naphthalene	100	100		0.14													
Styrene	100	100	100	1600									1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	5	5	0.11	3.4	5	0 U	2.1	0.6 J	1 U	5 U	5 U	1.7	2.4	1.6	1.9	1 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 2.4-3
Groundwater Data Summary - VOC 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-82 3/31/2000	MW-82 6/20/2001	MW-82 6/12/2002	MW-82 6/4/2003	MW-82 6/8/2004	MW-82 6/14/2005	MW-82 6/22/2006	MW-82 6/26/2007	MW-82 4/25/2008	MW-82 9/12/2008	MW-82 6/23/2009	MW-82 6/18/2010	MW-83 9/13/1999
Toluene	1000	1000	1000	2300		0 U	0 U	0 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	100	100	100	110	1 U	1.7	0 U	0 U	5 U	5 U	5 U	5 U	0.16 J	1 U	1.4	0.41 J	
trans-1,3-Dichloropropene	6.6	26		0.43	1 U				5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	5	5	2	94	107	0 U	44.2	8.5	0.9 J	5 U	5 U	33	39	27	26	1 U
Vinyl Chloride	2	2	2	0.016	1 U	0 U	0 U	0 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	4
VOC Library Search																	0 U
Xylenes (Total)	10000	10000	10000	200		0 U	0 U						3 U	3 U	3 U	3 U	1 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 2.4-3
Groundwater Data Summary - VOC 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 6/22/2001	MW-85 6/12/2002	MW-85 6/3/2003	MW-85 6/8/2004	MW-85 6/15/2005
TOTAL VOC																
				97.4	12.67	746.56	331	283.2	299.5	329	68	381.1	51.8	81	141	82
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52		1 U	1 U			10 U						
1,1,1-Trichloroethane	200	200	200	9100	1 U	1 U	1 U	1	1	10 U	5 U	0 U	0 U	0 U	5 U	5 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	1 U	1 U	1 U	10 U	5 U				1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	1 U	1 U	1 U	1 U	10 U	5 U	0 U	0 U	0 U	3 U	3 U
1,1,2-Trichlorofluoromethane	2000	2000		1300	1 U				1 U							
1,1-Dichloroethane	31	160		2.4	5.2	1 U	6.3	2	2.6	10 U	5 U	0 U	0 U	0 U	5 U	5 U
1,1-Dichloroethene	7	7	7	340	2.6	1 U	4.7	1 U	1 U	10 U	5 U	0 U	1	0 U	2 U	2 U
1,2,4-Trimethylbenzene	15	62		15		1 U	1 U									
1,2-Dibromoethane	0.05	0.05	0.05	0.0065		1 U	1 U			10 U						
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	0.71 J	1 U	1 U	10 U	5 U	0 U	0 U	0 U	2 U	2 U
1,2-Dichloroethene	70	70	70	330				160			137					
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U	1 U	10 U	5 U				1 U	1 U
1,3,5-Trimethylbenzene	13	53		370		1 U	1 U									
1,3-Dichlorobenzene	600	600			2 U			10 U	2 U		10 U					
1,4-Dioxane	6.4	32		0.67		200 U	200 U			2000 U					1000 U	1000 U
2-Butanone	4000	4000		7100		10 U	10 U	20 U		100 U	20 U				5 U	5 U
2-Chloroethyl Vinyl Ether					1 U				1 U						5 U	5 U
2-Hexanone	11	44		47		10 U	10 U	20 U		100 U	20 U					
4-Methyl-2-Pentanone	2900	8200		2000		10 U	10 U	10 U		100 U	10 U					
Acetone	33000	92000		22000		10 U	10 U	20 U		100 U	20 U	0 U	0 U			
Acrolein	0.042	0.18		0.042											100 U	100 U
Acrylonitrile	0.72	3.7		0.045		20 U	20 U			200 U					50 U	50 U
Benzene	5	5	5	0.41		1 U	0.72 J	1 U		10 U	5 U	0 U	0 U	0 U	1 U	1 U
Bromochloromethane	90	90				1 U	1 U			10 U						
Bromodichloromethane	80	80		0.12	1 U	1 U	1 U	1 U	1 U	10 U	5 U	0 U	0 U	0 U	1 U	1 U
Bromoform	80	80		8.5	1 U	1 U	1 U	1 U	1 U	10 U	5 U				4 U	4 U
Bromomethane	10	10		8.7	2 U	1 U	1 U	1 U	2 U	10 U	5 U				5 U	5 U
Carbon Disulfide	1500	6200		1000		1 U	1 U	10 U		10 U	10 U	0 U	0 U			
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	1 U	1 U	1 U	10 U	5 U	0 U	0 U	0 U	2 U	2 U
Chlorobenzene	100	100	100	91	2 U	1 U	1 U	1 U	2 U	10 U	5 U	0 U	0 U	0 U	5 U	5 U
Chlorodibromomethane	80	80		0.15	1 U	1 U	1 U	1 U	1 U	10 U	5 U				5 U	5 U
Chloroethane	230	900		21000	2 U	1 U	2.4	1 U	2 U	10 U	5 U	0 U	0 U	0 U	5 U	5 U
Chloroform	80	80		0.19	1 U	1 U	1 U	1 U	1 U	10 U	5 U	0 U	0 U	0 U	5 U	5 U
Chloromethane	30	30		190		1 U	1 U	1 U		10 U	5 U				5 U	5 U
cis-1,2-Dichloroethene	70	70	70	73		6.9	600			130		49	171		38	96
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	1 U	1 U	10 U	5 U				5 U	5 U
Ethylbenzene	700	700	700	1.5		1 U	1 U	1 U		10 U	5 U	0 U	0 U	0 U	4 U	4 U
Isopropylbenzene	840	3500		680		1 U	1 U									
Methyl tert-butyl ether	20	20		12		1 U	0.73 J			10 U						
Methylene chloride	5	5		4.8	1 U	1 U	1 U	1 U	1 U	10 U	5 U	0 U	0 U	0 U	3 U	3 U
Naphthalene	100	100		0.14		0.71 J	1 U									
Styrene	100	100	100	1600		1 U	1 U	1 U		10 U	5 U					
Tetrachloroethene	5	5	5	0.11	1 U	0.23 J	0.3 J	8	8	7 J	5 U	0 U	1.3	0 U	1 U	1 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 2.4-3
Groundwater Data Summary - VOC 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 6/22/2001	MW-85 6/12/2002	MW-85 6/3/2003	MW-85 6/8/2004	MW-85 6/15/2005
Toluene	1000	1000	1000	2300		0.27 J	3.1	1 U		10 U	5 U	0 U	0 U	0 U	5 U	5 U
trans-1,2-Dichloroethene	100	100	100	110	2.4	0.16 J	6.6		1.6	2.5 J		0 U	1.8	0 U	5 U	5 U
trans-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	1 U	1 U	10 U	5 U				5 U	5 U
Trichloroethene	5	5	5	2	1 U	2.3	11 J	160	270	160	192	19	206	51.8	43	45
Vinyl Chloride	2	2	2	0.016	110	2.1	110	1 U	1 U	10 U	5 U	0 U	0 U	0 U	5 U	5 U
VOC Library Search								0 U			0 U					
Xylenes (Total)	10000	10000	10000	200		3 U	3 U	2 U		30 U	10 U	0 U	0 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 2.4-3
Groundwater Data Summary - VOC 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-85 Dup 6/20/2006	MW-85 6/20/2006	MW-85 6/26/2007	MW-85 4/25/2008	MW-85 9/18/2008	MW-85 7/1/2009	MW-86D 9/7/1999	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
TOTAL VOC																
				97.4	88	147.3	152.3	163.5	54.5	877	940	415.9	223	90.5	47.8	3017
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52				10 U	10 U	5 U			20 U			2 U
1,1,1-Trichloroethane	200	200	200	9100	5 U	5 U	5 U	10 U	10 U	5 U	4	10 U	20 U	2	1 U	2 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	5 U	5 U	5 U	10 U	10 U	5 U	1 U	10 U	20 U	1 U	1 U	2 U
1,1,2-Trichloroethane	5	5	5	0.24	5 U	5 U	5 U	10 U	10 U	5 U	20 U	10 U	20 U	1 U	1 U	2 U
1,1,2-Trichlorofluoromethane	2000	2000		1300								10 U			1 U	
1,1-Dichloroethane	31	160		2.4	5 U	5 U	5 U	10 U	10 U	5 U	1 U	10 U	20 U	1 U	1 U	2 U
1,1-Dichloroethene	7	7	7	340	5 U	5 U	5 U	10 U	10 U	5 U	2	10 U	20 U	1 U	1 U	2 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0065				10 U	10 U	5 U			20 U			2 U
1,2-Dichloroethane	5	5	5	0.15	5 U	5 U	5 U	10 U	10 U	5 U	1 U	10 U	20 U	1 U	1 U	2 U
1,2-Dichloroethene	70	70	70	330							37			16		
1,2-Dichloropropane	5	5	5	0.39	5 U	5 U	5 U	10 U	10 U	5 U	1 U	10 U	20 U	1 U	1 U	2 U
1,3,5-Trimethylbenzene	13	53		370												
1,3-Dichlorobenzene	600	600									10 U	20 U		10 U	2 U	
1,4-Dioxane	6.4	32		0.67	1000 U	1000 U	1000 U	2000 U	2000 U	1000 U			4000 U			400 U
2-Butanone	4000	4000		7100	5 U	5 U	5 U	100 U	100 U	50 U	20 U		200 U	20 U		20 U
2-Chloroethyl Vinyl Ether					10 U	10 U	10 U					10 U			1 U	
2-Hexanone	11	44		47				100 U	100 U	50 U	20 U		200 U	20 U		20 U
4-Methyl-2-Pentanone	2900	8200		2000				100 U	100 U	50 U	10 U		200 U	10 U		20 U
Acetone	33000	92000		22000				100 U	100 U	50 U	20 U		200 U	20 U		20 U
Acrolein	0.042	0.18		0.042	100 U	100 U	100 U									
Acrylonitrile	0.72	3.7		0.045	100 U	100 U	100 U	200 U	200 U	100 U			400 U			40 U
Benzene	5	5	5	0.41	5 U	5 U	5 U	10 U	10 U	5 U	1 U		20 U	1 U		2 U
Bromochloromethane	90	90						10 U	10 U	5 U			20 U			2 U
Bromodichloromethane	80	80		0.12	5 U	5 U	5 U	10 U	10 U	5 U	1 U	10 U	20 U	1 U	1 U	2 U
Bromoform	80	80		8.5	5 U	5 U	5 U	10 U	10 U	5 U	1 U	10 U	20 U	1 U	1 U	2 U
Bromomethane	10	10		8.7	5 U	5 U	5 U	10 U	10 U	5 U	1 U	20 U	20 U	1 U	2 U	2 U
Carbon Disulfide	1500	6200		1000				10 U	10 U	5 U	10 U		20 U	10 U		2 U
Carbon Tetrachloride	5	5	5	0.44	5 U	5 U	5 U	10 U	10 U	5 U	1 U	10 U	20 U	1 U	1 U	2 U
Chlorobenzene	100	100	100	91	5 U	5 U	5 U	10 U	10 U	5 U	1 U	20 U	20 U	1 U	2 U	2 U
Chlorodibromomethane	80	80		0.15	5 U	5 U	5 U	10 U	10 U	5 U	1 U	10 U	20 U	1 U	1 U	2 U
Chloroethane	230	900		21000	5 U	5 U	5 U	10 U	10 U	5 U	1 U	20 U	20 U	1 U	2 U	2 U
Chloroform	80	80		0.19	5 U	5 U	5 U	10 U	10 U	5 U	1 U	10 U	20 U	1 U	1 U	0.8 J
Chloromethane	30	30		190	5 U	5 U	5 U	10 U	10 U	5 U	1 U		20 U	1 U		2 U
cis-1,2-Dichloroethene	70	70	70	73	48	52	130	150	160	53			17 J			1.2 J
cis-1,3-Dichloropropene	6.6	26		0.43	5 U	5 U	5 U	10 U	10 U	5 U	1 U	10 U	20 U	1 U	1 U	2 U
Ethylbenzene	700	700	700	1.5	5 U	5 U	5 U	10 U	10 U	5 U	1 U		20 U	1 U		2 U
Isopropylbenzene	840	3500		680												
Methyl tert-butyl ether	20	20		12				10 U	10 U	5 U			20 U			2 U
Methylene chloride	5	5		4.8	5 U	5 U	1.3 J	2.3 J	3.5 J	1.5 J B	1 U	10 U	6.4 J	1 U	1 U	2 U
Naphthalene	100	100		0.14												
Styrene	100	100	100	1600				10 U	10 U	5 U	1 U		20 U	1 U		2 U
Tetrachloroethene	5	5	5	0.11	5 U	5 U	5 U	10 U	10 U	5 U	4	10 U	2.5 J	5	5.5	2.8

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 2.4-3
Groundwater Data Summary - VOC 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-85 Dup 6/20/2006	MW-85 6/20/2006	MW-85 6/26/2007	MW-85 4/25/2008	MW-85 9/18/2008	MW-85 7/1/2009	MW-86D 9/7/1999	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
Toluene	1000	1000	1000	2300	5 U	5 U	5 U	10 U	10 U	5 U	1 U		20 U	1 U		2 U
trans-1,2-Dichloroethene	100	100	100	110	5 U	5 U	5 U	10 U	10 U	5 U		10 U	20 U		1 U	2 U
trans-1,3-Dichloropropene	6.6	26		0.43	5 U	5 U	5 U	10 U	10 U	5 U	1 U	10 U	20 U	1 U	1 U	2 U
Trichloroethene	5	5	5	2	34	36	16	10 U	10 U	5 U	830	940	390	200	85	43
Vinyl Chloride	2	2	2	0.016	5 U	5 U	5 U	10 U	10 U	5 U	1 U	10 U	20 U	1 U	1 U	2 U
VOC Library Search											0 U			0 U		
Xylenes (Total)	10000	10000	10000	200				30 U	30 U	15 U	2 U		60 U	2 U		6 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 2.4-3
Groundwater Data Summary - VOC 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-87 9/17/1999	MW-87 4/4/2000	MW-87 6/26/2001	MW-87 6/17/2002	MW-87 6/5/2003	MW-87 6/10/2004	MW-87 6/17/2005	MW-87 6/23/2006	MW-87 6/28/2007	MW-87 Dup 6/28/2007	MW-87 5/15/2008
TOTAL VOC															
				97.4	2477	4155.6	2108.7	699.1	2676	2671	2219	2205	97.1	2770	2511
Volatile Organic Compound															
1,1,1,2-Tetrachloroethane	70	70		0.52											100 U
1,1,1-Trichloroethane	200	200	200	9100	170	130	134	86	63	60 J	56 J	39 J	62 U	5 U	43 J
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	10 U	10 U				20 U	20 U	62 U	62 U	5 U	100 U
1,1,2-Trichloroethane	5	5	5	0.24	10 U	10 U	2.3	1.9	0 U	60 U	60 U	62 U	62 U	5 U	100 U
1,1,2-Trichlorofluoromethane	2000	2000		1300		10 U									
1,1-Dichloroethane	31	160		2.4	10	10 U	13	9.1	9.2	100 U	100 U	62 U	62 U	5 U	100 U
1,1-Dichloroethene	7	7	7	340	88	110	106	61	47.9	48	44	21 J	29 J	5 U	49 J
1,2,4-Trimethylbenzene	15	62		15											
1,2-Dibromoethane	0.05	0.05	0.05	0.0065											100 U
1,2-Dichloroethane	5	5	5	0.15	10 U	10 U	1	0 U	0 U	40 U	40 U	62 U	62 U	5 U	100 U
1,2-Dichloroethene	70	70	70	330	1100										
1,2-Dichloropropane	5	5	5	0.39	10 U	10 U				20 U	20 U	62 U	62 U	5 U	100 U
1,3,5-Trimethylbenzene	13	53		370											
1,3-Dichlorobenzene	600	600			10 U	20 U									
1,4-Dioxane	6.4	32		0.67						20000 U	20000 U	12000 U	12000 U	1000 U	20000 U
2-Butanone	4000	4000		7100	200 U					100 U	100 U	62 U	62 U	5 U	1000 U
2-Chloroethyl Vinyl Ether						10 U				100 U	100 U	120 U	120 U	10 U	
2-Hexanone	11	44		47	200 U										1000 U
4-Methyl-2-Pentanone	2900	8200		2000	100 U										1000 U
Acetone	33000	92000		22000	200 U		0 U	0 U							1000 U
Acrolein	0.042	0.18		0.042						2000 U	2000 U	1200 U	1200 U	100 U	
Acrylonitrile	0.72	3.7		0.045						1000 U	1000 U	1200 U	1200 U	100 U	2000 U
Benzene	5	5	5	0.41	10 U		0 U	0 U	0 U	20 U	20 U	62 U	62 U	5 U	100 U
Bromochloromethane	90	90													100 U
Bromodichloromethane	80	80		0.12	10 U	10 U	0 U	0 U	0 U	20 U	20 U	62 U	62 U	5 U	100 U
Bromoform	80	80		8.5	10 U	10 U				80 U	80 U	62 U	62 U	5 U	100 U
Bromomethane	10	10		8.7	10 U	20 U				100 U	100 U	62 U	62 U	5 U	100 U
Carbon Disulfide	1500	6200		1000	100 U		0 U	0 U							100 U
Carbon Tetrachloride	5	5	5	0.44	10 U	10 U	4.5	2.3	2.1	40 U	40 U	62 U	62 U	5 U	100 U
Chlorobenzene	100	100	100	91	10 U	20 U	0 U	0 U	0 U	100 U	100 U	62 U	62 U	5 U	100 U
Chlorodibromomethane	80	80		0.15	10 U	10 U				100 U	100 U	62 U	62 U	5 U	100 U
Chloroethane	230	900		21000	10 U	20 U	0 U	0 U	0 U	100 U	100 U	62 U	62 U	5 U	100 U
Chloroform	80	80		0.19	10 U	10 U	1.7	1.3	1.1	100 U	100 U	62 U	62 U	5 U	100 U
Chloromethane	30	30		190	10 U					100 U	100 U	62 U	62 U	5 U	100 U
cis-1,2-Dichloroethene	70	70	70	73			987	467		740	840	840	850	40	910
cis-1,3-Dichloropropene	6.6	26		0.43	10 U	10 U				100 U	100 U	62 U	62 U	5 U	100 U
Ethylbenzene	700	700	700	1.5	10 U		0 U	0 U	0 U	80 U	80 U	62 U	62 U	5 U	100 U
Isopropylbenzene	840	3500		680											
Methyl tert-butyl ether	20	20		12											100 U
Methylene chloride	5	5		4.8	10 U	10 U	0 U	0 U	0 U	60 U	60 U	62 U	62 U	5 U	35 J
Naphthalene	100	100		0.14											
Styrene	100	100	100	1600	10 U										100 U
Tetrachloroethene	5	5	5	0.11	49	37	60	36	35.5	28	31	19 J	26 J	5.1	33 J

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 2.4-3
Groundwater Data Summary - VOC 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-87 9/17/1999	MW-87 4/4/2000	MW-87 6/26/2001	MW-87 6/17/2002	MW-87 6/5/2003	MW-87 6/10/2004	MW-87 6/17/2005	MW-87 6/23/2006	MW-87 6/28/2007	MW-87 Dup 6/28/2007	MW-87 5/15/2008
Toluene	1000	1000	1000	2300	10 U		0 U	0 U	0 U	100 U	100 U	62 U	62 U	5 U	100 U
trans-1,2-Dichloroethene	100	100	100	110		10 U	6.1	4.1	8.3	100 U	100 U	62 U	62 U	5 U	100 U
trans-1,3-Dichloropropene	6.6	26		0.43	10 U	10 U				100 U	100 U	62 U	62 U	5 U	100 U
Trichloroethene	5	5	5	2	1600 E	2200	2840	1440	532	1800	1700	1300	1300	52	1700
Vinyl Chloride	2	2	2	0.016	10 U	10 U	0 U	0 U	0 U	100 U	100 U	62 U	62 U	5 U	100 U
VOC Library Search					0 U										
Xylenes (Total)	10000	10000	10000	200	10 U		0 U	0 U							300 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 2.4-3
Groundwater Data Summary - VOC 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-87 10/1/2008	MW-87 7/9/2009	MW-87 7/2/2010	MW-88 4/10/2000	MW-88 6/12/2002	MW-88 6/3/2003	MW-88 6/9/2004	MW-88 6/16/2005	MW-88 Dup 6/23/2006	MW-88 6/23/2006	MW-88 6/28/2007	MW-88 4/29/2008
TOTAL VOC																
				97.4	2646	2572	191.9	251.3	199.7	308.7	111.9	55.9	55.9	61.5	402	419
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52	100 U	100 U	100 U									25 U
1,1,1-Trichloroethane	200	200	200	9100	32 J	32 J	100 U	10	5.8	5.6	6.4 J	1.7 J	5 U	5 U	5 U	25 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	100 U	100 U	100 U	1 U			2 U	1 U	5 U	5 U	5 U	25 U
1,1,2-Trichloroethane	5	5	5	0.24	100 U	100 U	100 U	1 U	0 U	0 U	6 U	3 U	5 U	5 U	5 U	25 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1-Dichloroethane	31	160		2.4	100 U	100 U	100 U	1 U	0 U	0 U	10 U	5 U	5 U	5 U	5 U	25 U
1,1-Dichloroethene	7	7	7	340	43 J	40 J	100 U	3.7	6.4	3.9	7.3	2.5	5 U	5 U	5 U	6 J
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	100 U	100 U	100 U									25 U
1,2-Dichloroethane	5	5	5	0.15	100 U	100 U	100 U	1 U	0 U	0 U	4 U	2 U	5 U	5 U	5 U	25 U
1,2-Dichloroethene	70	70	70	330				31								
1,2-Dichloropropane	5	5	5	0.39	100 U	100 U	100 U	1 U			2 U	1 U	5 U	5 U	5 U	25 U
1,3,5-Trimethylbenzene	13	53		370												
1,3-Dichlorobenzene	600	600						10 U								
1,4-Dioxane	6.4	32		0.67	20000 U	20000 U	20000 U				2000 U	1000 U	1000 U	1000 U	1000 U	5000 U
2-Butanone	4000	4000		7100	1000 U	1000 U	1000 U	20 U			10 U	5 U	5 U	5 U	5 U	250 U
2-Chloroethyl Vinyl Ether											10 U	5 U	10 U	10 U	10 U	
2-Hexanone	11	44		47	1000 U	1000 U	1000 U	20 U								250 U
4-Methyl-2-Pentanone	2900	8200		2000	1000 U	1000 U	1000 U	10 U								250 U
Acetone	33000	92000		22000	1000 U	1000 U	1000 U	20 U	0 U							250 U
Acrolein	0.042	0.18		0.042							200 U	100 U	100 U	100 U	100 U	
Acrylonitrile	0.72	3.7		0.045	2000 U	2000 U	2000 U				100 U	50 U	100 U	100 U	100 U	500 U
Benzene	5	5	5	0.41	100 U	100 U	100 U	1 U	0 U	0 U	2 U	1 U	5 U	5 U	5 U	25 U
Bromochloromethane	90	90			100 U	100 U	100 U									25 U
Bromodichloromethane	80	80		0.12	100 U	100 U	100 U	1 U	0 U	0 U	2 U	1 U	5 U	5 U	5 U	25 U
Bromoform	80	80		8.5	100 U	100 U	100 U	1 U			8 U	4 U	5 U	5 U	5 U	25 U
Bromomethane	10	10		8.7	100 U	100 U	100 U	1 U			10 U	5 U	5 U	5 U	5 U	25 U
Carbon Disulfide	1500	6200		1000	100 U	100 U	450 B	10 U	0 U							25 U
Carbon Tetrachloride	5	5	5	0.44	100 U	100 U	100 U	1 U	0 U	0 U	4 U	2 U	5 U	5 U	5 U	25 U
Chlorobenzene	100	100	100	91	100 U	100 U	100 U	1 U	0 U	0 U	10 U	5 U	5 U	5 U	5 U	25 U
Chlorodibromomethane	80	80		0.15	100 U	100 U	100 U	1 U			10 U	5 U	5 U	5 U	5 U	25 U
Chloroethane	230	900		21000	100 U	100 U	100 U	1 U	0 U	0 U	10 U	5 U	5 U	5 U	5 U	25 U
Chloroform	80	80		0.19	100 U	100 U	100 U	1 U	0 U	0 U	10 U	5 U	5 U	5 U	5 U	25 U
Chloromethane	30	30		190	100 U	100 U	100 U	1 U			10 U	5 U	5 U	5 U	5 U	25 U
cis-1,2-Dichloroethene	70	70	70	73	780	840	790	5.2	40		56	27	12	12	15	91
cis-1,3-Dichloropropene	6.6	26		0.43	100 U	100 U	100 U	1 U			10 U	5 U	5 U	5 U	5 U	25 U
Ethylbenzene	700	700	700	1.5	100 U	100 U	100 U	1 U	0 U	0 U	8 U	4 U	5 U	5 U	5 U	25 U
Isopropylbenzene	840	3500		680												
Methyl tert-butyl ether	20	20		12	100 U	100 U	100 U									25 U
Methylene chloride	5	5		4.8	100 U	100 U	100 U	1 U	0 U	0 U	6 U	3 U	5 U	5 U	5 U	14 J
Naphthalene	100	100		0.14												
Styrene	100	100	100	1600	100 U	100 U	100 U	1 U								25 U
Tetrachloroethene	5	5	5	0.11	56 J	34 J	32 J	12	12	10.2	9	4.7	1.9 J	1.9 J	2.5 J	11 J

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 2.4-3
Groundwater Data Summary - VOC 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-87 10/1/2008	MW-87 7/9/2009	MW-87 7/2/2010	MW-88 4/10/2000	MW-88 6/12/2002	MW-88 6/3/2003	MW-88 6/9/2004	MW-88 6/16/2005	MW-88 Dup 6/23/2006	MW-88 6/23/2006	MW-88 6/28/2007	MW-88 4/29/2008
Toluene	1000	1000	1000	2300	100 U	100 U	100 U	1 U	0 U	0 U	10 U	5 U	5 U	5 U	5 U	25 U
trans-1,2-Dichloroethene	100	100	100	110	100 U	100 U	100 U		1.1	0 U	10 U	5 U	5 U	5 U	5 U	25 U
trans-1,3-Dichloropropene	6.6	26		0.43	100 U	100 U	100 U	1 U			10 U	5 U	5 U	5 U	5 U	25 U
Trichloroethene	5	5	5	2	1600	1700	1300	130	186	180	230	76	42	42	44	280
Vinyl Chloride	2	2	2	0.016	100 U	100 U	100 U	1 U	0 U	0 U	10 U	5 U	5 U	5 U	5 U	25 U
VOC Library Search								0 U								
Xylenes (Total)	10000	10000	10000	200	300 U	300 U	300 U	2 U	0 U							75 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 2.4-3
Groundwater Data Summary - VOC 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 9/25/2008	MW-88 6/26/2009	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	MW-91 6/9/2004
TOTAL VOC																
				97.4	532.1	402	277.3	383.9	60.2	94.7	81	275	516.2	182.2	142	102
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52	25 U	25 U	20 U									
1,1,1-Trichloroethane	200	200	200	9100	25 U	7.7 J	20 U	13	16	5.2	6	1 U	0 U	0 U	0 U	5 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	25 U	25 U	20 U	5 U		5 U		1 U				1 U
1,1,2-Trichloroethane	5	5	5	0.24	25 U	25 U	20 U	5 U	1.5	5 U	1.4	1 U	0 U	0 U	0 U	3 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1-Dichloroethane	31	160		2.4	25 U	25 U	20 U	5 U	0 U	5 U	0 U	1 U	0 U	0 U	0 U	5 U
1,1-Dichloroethene	7	7	7	340	25 U	8.4 J	20 U	6.1	12	5 U	4.8	1 U	0 U	0 U	0 U	2 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	25 U	25 U	20 U									
1,2-Dichloroethane	5	5	5	0.15	25 U	25 U	20 U	5 U	0 U	5 U	0 U	1 U	0 U	0 U	0 U	2 U
1,2-Dichloroethene	70	70	70	330				34		5 U		1 U				
1,2-Dichloropropane	5	5	5	0.39	25 U	25 U	20 U	5 U		5 U		1 U				1 U
1,3,5-Trimethylbenzene	13	53		370												
1,3-Dichlorobenzene	600	600						10 U		10 U		10 U				
1,4-Dioxane	6.4	32		0.67	5000 U	5000 U	4000 U									1000 U
2-Butanone	4000	4000		7100	250 U	250 U	200 U	20 U		20 U		20 U				5 U
2-Chloroethyl Vinyl Ether																5 U
2-Hexanone	11	44		47	250 U	250 U	200 U	20 U		20 U		20 U				
4-Methyl-2-Pentanone	2900	8200		2000	250 U	250 U	200 U	10 U		10 U		10 U				
Acetone	33000	92000		22000	250 U	250 U	200 U	20 U	0 U	20 U	0 U	20 U	0 U	0 U		
Acrolein	0.042	0.18		0.042												100 U
Acrylonitrile	0.72	3.7		0.045	500 U	500 U	400 U									50 U
Benzene	5	5	5	0.41	25 U	25 U	20 U	5 U	0 U	5 U	0 U	1 U	0 U	0 U	0 U	1 U
Bromochloromethane	90	90			25 U	25 U	20 U									
Bromodichloromethane	80	80		0.12	25 U	25 U	20 U	5 U	0 U	5 U	0 U	1 U	0 U	0 U	0 U	1 U
Bromoform	80	80		8.5	25 U	25 U	20 U	5 U		5 U		1 U				4 U
Bromomethane	10	10		8.7	25 U	25 U	20 U	5 U		5 U		1 U				5 U
Carbon Disulfide	1500	6200		1000	25 U	25 U	20 U	10 U	0 U	10 U	0 U	10 U	0 U	0 U		
Carbon Tetrachloride	5	5	5	0.44	25 U	25 U	20 U	5 U	0 U	5 U	0 U	1 U	0 U	0 U	0 U	2 U
Chlorobenzene	100	100	100	91	25 U	25 U	20 U	5 U	0 U	5 U	0 U	1 U	0 U	0 U	0 U	5 U
Chlorodibromomethane	80	80		0.15	25 U	25 U	20 U	5 U		5 U		1 U				5 U
Chloroethane	230	900		21000	25 U	25 U	20 U	5 U	0 U	5 U	0 U	1 U	0 U	0 U	0 U	5 U
Chloroform	80	80		0.19	25 U	25 U	20 U	5 U	0 U	5 U	0 U	1 U	0 U	0 U	0 U	5 U
Chloromethane	30	30		190	25 U	25 U	20 U	5 U		5 U		1 U				5 U
cis-1,2-Dichloroethene	70	70	70	73	98	120	100	34.2	59	0 U	2.4	0 U	0 U	1.2		5 U
cis-1,3-Dichloropropene	6.6	26		0.43	25 U	25 U	20 U	5 U		5 U		1 U				5 U
Ethylbenzene	700	700	700	1.5	25 U	25 U	20 U	5 U	0 U	5 U	0 U	1 U	0 U	0 U	0 U	4 U
Isopropylbenzene	840	3500		680												
Methyl tert-butyl ether	20	20		12	25 U	25 U	20 U									
Methylene chloride	5	5		4.8	25 U	25 U	20 U	5 U	0 U	5 U	0 U	1 U	0 U	0 U	0 U	3 U
Naphthalene	100	100		0.14												
Styrene	100	100	100	1600	25 U	25 U	20 U	5 U		5 U		1 U				
Tetrachloroethene	5	5	5	0.11	11 J	16 J	12 J	5 U	9.4	5 U	4.1	58	214	443	151	120

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 2.4-3
Groundwater Data Summary - VOC 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 9/25/2008	MW-88 6/26/2009	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	MW-91 6/9/2004
Toluene	1000	1000	1000	2300	25 U	25 U	20 U	5 U	0 U	5 U	0 U	1 U	0 U	0 U	0 U	5 U
trans-1,2-Dichloroethene	100	100	100	110	25 U	25 U	20 U		0 U		0 U		0 U	0 U	0 U	5 U
trans-1,3-Dichloropropene	6.6	26		0.43	25 U	25 U	20 U	5 U		5 U		1 U				5 U
Trichloroethene	5	5	5	2	310	380	290	190	286	55	76	23	61	72	31.2	22
Vinyl Chloride	2	2	2	0.016	25 U	25 U	20 U	5 U	0 U	5 U	0 U	1 U	0 U	0 U	0 U	5 U
VOC Library Search								0 U		0 U		0 U				
Xylenes (Total)	10000	10000	10000	200	75 U	75 U	60 U	10 U	0 U	10 U	0 U	2 U	0 U	0 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 2.4-3
Groundwater Data Summary - VOC 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 6/15/2005	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	MW-92 6/22/2006
TOTAL VOC																	
				97.4	176	151	156.8	240.8	141.9	176.8	468.4	323.5	373	229	256.2	204.2	302.1
Volatile Organic Compound																	
1,1,1,2-Tetrachloroethane	70	70		0.52				10 U	10 U	10 U							
1,1,1-Trichloroethane	200	200	200	9100	5 U	5 U	5 U	10 U	10 U	10 U	1 U	0 U	0 U	0 U	5 U	10 U	5 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	5 U	5 U	10 U	10 U	10 U	1 U				1 U	2 U	5 U
1,1,2-Trichloroethane	5	5	5	0.24	3 U	5 U	5 U	10 U	10 U	10 U	1 U	0 U	0 U	0 U	3 U	6 U	5 U
1,1,2-Trichlorofluoromethane	2000	2000		1300													
1,1-Dichloroethane	31	160		2.4	5 U	5 U	5 U	10 U	10 U	10 U	1 U	0 U	0 U	0 U	5 U	10 U	5 U
1,1-Dichloroethene	7	7	7	340	2 U	5 U	5 U	10 U	10 U	10 U	1 U	0 U	0 U	0 U	2 U	4 U	5 U
1,2,4-Trimethylbenzene	15	62		15													
1,2-Dibromoethane	0.05	0.05	0.05	0.0065				10 U	10 U	10 U							
1,2-Dichloroethane	5	5	5	0.15	2 U	5 U	5 U	10 U	10 U	10 U	1 U	0 U	0 U	0 U	2 U	4 U	5 U
1,2-Dichloroethene	70	70	70	330							2.8						
1,2-Dichloropropane	5	5	5	0.39	1 U	5 U	5 U	10 U	10 U	10 U	1 U				1 U	2 U	5 U
1,3,5-Trimethylbenzene	13	53		370													
1,3-Dichlorobenzene	600	600									10 U						
1,4-Dioxane	6.4	32		0.67	1000 U	1000 U	1000 U	2000 U	2000 U	2000 U					1000 U	2000 U	1000 U
2-Butanone	4000	4000		7100	5 U	5 U	5 U	100 U	100 U	100 U	20 U				5 U	10 U	5 U
2-Chloroethyl Vinyl Ether					5 U	10 U	10 U								5 U	10 U	10 U
2-Hexanone	11	44		47				100 U	100 U	100 U	20 U						
4-Methyl-2-Pentanone	2900	8200		2000				100 U	100 U	100 U	10 U						
Acetone	33000	92000		22000				100 U	100 U	100 U	20 U	0 U	0 U				
Acrolein	0.042	0.18		0.042	100 U	100 U	100 U								100 U	200 U	100 U
Acrylonitrile	0.72	3.7		0.045	50 U	100 U	100 U	200 U	200 U	200 U					50 U	100 U	100 U
Benzene	5	5	5	0.41	1 U	5 U	5 U	10 U	10 U	10 U	1 U	0 U	0 U	0 U	1 U	2 U	5 U
Bromochloromethane	90	90						10 U	10 U	10 U							
Bromodichloromethane	80	80		0.12	1 U	5 U	5 U	10 U	10 U	10 U	1 U	0 U	0 U	0 U	1 U	2 U	5 U
Bromoform	80	80		8.5	4 U	5 U	5 U	10 U	10 U	10 U	1 U				4 U	8 U	5 U
Bromomethane	10	10		8.7	5 U	5 U	5 U	10 U	10 U	10 U	1 U				5 U	10 U	5 U
Carbon Disulfide	1500	6200		1000				10 U	10 U	10 U	10 U	0 U	0 U				
Carbon Tetrachloride	5	5	5	0.44	2 U	5 U	5 U	10 U	10 U	10 U	1 U	0 U	0 U	0 U	2 U	4 U	5 U
Chlorobenzene	100	100	100	91	5 U	5 U	5 U	10 U	10 U	10 U	1 U	0 U	0 U	0 U	5 U	10 U	5 U
Chlorodibromomethane	80	80		0.15	5 U	5 U	5 U	10 U	10 U	10 U	1 U				5 U	10 U	5 U
Chloroethane	230	900		21000	5 U	5 U	5 U	10 U	10 U	10 U	1 U	0 U	0 U	0 U	5 U	10 U	5 U
Chloroform	80	80		0.19	5 U	5 U	5 U	10 U	10 U	10 U	1 U	0 U	0 U	0 U	5 U	10 U	5 U
Chloromethane	30	30		190	5 U	5 U	5 U	10 U	10 U	10 U	1 U				5 U	10 U	5 U
cis-1,2-Dichloroethene	70	70	70	73	5 U	5 U	5 U	10 U	10 U	10 U	0 U	2.4	2.5		5 U	1.2 J	1.2 J
cis-1,3-Dichloropropene	6.6	26		0.43	5 U	5 U	5 U	10 U	10 U	10 U	1 U				5 U	10 U	5 U
Ethylbenzene	700	700	700	1.5	4 U	5 U	5 U	10 U	10 U	10 U	1 U	0 U	0 U	0 U	4 U	8 U	5 U
Isopropylbenzene	840	3500		680													
Methyl tert-butyl ether	20	20		12				10 U	10 U	10 U							
Methylene chloride	5	5		4.8	3 U	5 U	5 U	5.8 J	8.8 J	1.9 J	1 U	0 U	0 U	0 U	3 U	6 U	5 U
Naphthalene	100	100		0.14													
Styrene	100	100	100	1600				10 U	10 U	10 U	1 U						
Tetrachloroethene	5	5	5	0.11	82	150	130	130	210	120	93	320	168	263	180	210	150

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 2.4-3
Groundwater Data Summary - VOC 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 6/15/2005	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	MW-92 6/22/2006
Toluene	1000	1000	1000	2300	5 U	5 U	5 U	10 U	10 U	10 U	1 U	0 U	0 U	0 U	5 U	10 U	5 U
trans-1,2-Dichloroethene	100	100	100	110	5 U	5 U	5 U	10 U	10 U	10 U		0 U	0 U	0 U	5 U	10 U	5 U
trans-1,3-Dichloropropene	6.6	26		0.43	5 U	5 U	5 U	10 U	10 U	10 U	1 U				5 U	10 U	5 U
Trichloroethene	5	5	5	2	20	26	21	21	22	20	81	146	153	110	49	45	53
Vinyl Chloride	2	2	2	0.016	5 U	5 U	5 U	10 U	10 U	10 U	1 U	0 U	0 U	0 U	5 U	10 U	5 U
VOC Library Search											0 U						
Xylenes (Total)	10000	10000	10000	200				30 U	30 U	30 U	2 U	0 U	0 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 2.4-3
Groundwater Data Summary - VOC 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 Dup 6/27/2007	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
TOTAL VOC																
				97.4	213	163.5	235	289.1	259.4	774	98.3	4078	4724	109.5	444.4	432.7
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52			10 U	10 U	10 U	10 U						
1,1,1-Trichloroethane	200	200	200	9100	5 U	5 U	10 U	10 U	10 U	10 U	4	40	180	200	4.6 J	18
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	5 U	5 U	10 U	10 U	10 U	10 U		5 U	20 U	20 U	1 U	12 U
1,1,2-Trichloroethane	5	5	5	0.24	5 U	5 U	10 U	10 U	10 U	10 U		15 U	60 U	60 U	3 U	12 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1-Dichloroethane	31	160		2.4	5 U	5 U	10 U	10 U	10 U	10 U	0 U	25 U	100 U	100 U	1.6 J	12 U
1,1-Dichloroethene	7	7	7	340	5 U	5 U	10 U	10 U	10 U	10 U		7.3 J	28 J	34 J	1.3 J	4.4 J
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0065			10 U	10 U	10 U	10 U						
1,2-Dichloroethane	5	5	5	0.15	5 U	5 U	10 U	10 U	10 U	10 U		10 U	40 U	40 U	2 U	12 U
1,2-Dichloroethene	70	70	70	330												
1,2-Dichloropropane	5	5	5	0.39	5 U	5 U	10 U	10 U	10 U	10 U		5 U	20 U	20 U	1 U	12 U
1,3,5-Trimethylbenzene	13	53		370												
1,3-Dichlorobenzene	600	600														
1,4-Dioxane	6.4	32		0.67	1000 U	1000 U	2000 U	2000 U	2000 U	2000 U					1000 U	2500 U
2-Butanone	4000	4000		7100	5 U	5 U	100 U	100 U	100 U	100 U		25 U	100 U	100 U	5 U	12 U
2-Chloroethyl Vinyl Ether					10 U	10 U						25 U	100 U	100 U	5 U	25 U
2-Hexanone	11	44		47			100 U	100 U	100 U	100 U						
4-Methyl-2-Pentanone	2900	8200		2000			100 U	100 U	100 U	100 U						
Acetone	33000	92000		22000			100 U	100 U	100 U	100 U						
Acrolein	0.042	0.18		0.042	100 U	100 U						500 U	2000 U	2000 U	100 U	250 U
Acrylonitrile	0.72	3.7		0.045	100 U	100 U	200 U	200 U	200 U	200 U		250 U	1000 U	1000 U	50 U	250 U
Benzene	5	5	5	0.41	5 U	5 U	10 U	10 U	10 U	10 U		5 U	20 U	20 U	1 U	12 U
Bromochloromethane	90	90					10 U	10 U	10 U	10 U						
Bromodichloromethane	80	80		0.12	5 U	5 U	10 U	10 U	10 U	10 U		5 U	20 U	20 U	1 U	12 U
Bromoform	80	80		8.5	5 U	5 U	10 U	10 U	10 U	10 U		20 U	80 U	80 U	4 U	12 U
Bromomethane	10	10		8.7	5 U	5 U	10 U	10 U	10 U	10 U		25 U	100 U	100 U	5 U	12 U
Carbon Disulfide	1500	6200		1000			10 U	10 U	10 U	3.4 J						
Carbon Tetrachloride	5	5	5	0.44	5 U	5 U	10 U	10 U	10 U	10 U		10 U	40 U	40 U	2 U	12 U
Chlorobenzene	100	100	100	91	5 U	5 U	10 U	10 U	10 U	10 U	0 U	25 U	100 U	100 U	5 U	12 U
Chlorodibromomethane	80	80		0.15	5 U	5 U	10 U	10 U	10 U	10 U		25 U	100 U	100 U	5 U	12 U
Chloroethane	230	900		21000	5 U	5 U	10 U	10 U	10 U	10 U		25 U	100 U	100 U	5 U	12 U
Chloroform	80	80		0.19	5 U	5 U	10 U	10 U	10 U	10 U	0 U	25 U	100 U	100 U	5 U	12 U
Chloromethane	30	30		190	5 U	5 U	10 U	10 U	10 U	10 U		25 U	100 U	100 U	5 U	12 U
cis-1,2-Dichloroethene	70	70	70	73	1.1 J	5 U	10 U	10 U	10 U	10 U		51	170	190	8	22
cis-1,3-Dichloropropene	6.6	26		0.43	5 U	5 U	10 U	10 U	10 U	10 U		25 U	100 U	100 U	5 U	12 U
Ethylbenzene	700	700	700	1.5	5 U	5 U	10 U	10 U	10 U	10 U		20 U	80 U	80 U	4 U	12 U
Isopropylbenzene	840	3500		680												
Methyl tert-butyl ether	20	20		12			10 U	10 U	10 U	10 U						
Methylene chloride	5	5		4.8	5 U	5 U	2.5 J B	10 U	5.1 J	10 U		15 U	60 U	60 U	3 U	12 U
Naphthalene	100	100		0.14												
Styrene	100	100	100	1600			10 U	10 U	10 U	10 U						
Tetrachloroethene	5	5	5	0.11	230	160 J	140	190	240	210	340		2000	2300	44	220

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 2.4-3
Groundwater Data Summary - VOC 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 Dup 6/27/2007	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
Toluene	1000	1000	1000	2300	5 U	5 U	10 U	10 U	10 U	10 U	0 U	25 U	100 U	100 U	5 U	12 U
trans-1,2-Dichloroethene	100	100	100	110	5 U	5 U	10 U	10 U	10 U	10 U		25 U	100 U	100 U	5 U	12 U
trans-1,3-Dichloropropene	6.6	26		0.43	5 U	5 U	10 U	10 U	10 U	10 U		25 U	100 U	100 U	5 U	12 U
Trichloroethene	5	5	5	2	71	53	21	45	44	46	430		1700	2000	50	180
Vinyl Chloride	2	2	2	0.016	5 U	5 U	10 U	10 U	10 U	10 U		25 U	100 U	100 U	5 U	12 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	200			30 U	30 U	30 U	30 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 2.4-3
Groundwater Data Summary - VOC 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 6/27/2007	MW-93D 5/13/2008	MW-93D 9/22/2008	MW-93D 6/26/2009	MW-93D 6/28/2010	MW-93S 4/15/2004	MW-93S 4/16/2004	MW-93S Dup 4/16/2004	MW-93S 4/26/2004	MW-93S 6/20/2005	MW-93S 6/22/2006	MW-93S 6/27/2007
TOTAL VOC																
				97.4	503.4	132.3	483.5	292.3	26	36.9	18.8	112.4	16.4	1.1	2.1	7.92
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52		12 U	2.5 U	12 U	12 U							
1,1,1-Trichloroethane	200	200	200	9100	37	13	3.8	9.8 J	12 U		1.9 J	1.7 J	5.5	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	5 U	12 U	2.5 U	12 U	12 U		1 U	1 U	1 U	1 U	5 U	5 U
1,1,2-Trichloroethane	5	5	5	0.24	5 U	12 U	2.5 U	12 U	12 U		3 U	3 U	3 U	3 U	5 U	5 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1-Dichloroethane	31	160		2.4	2.7 J	12 U	2 J	4.1 J	3.1 J	0 U	5 U	5 U	0.9 J	5 U	5 U	5 U
1,1-Dichloroethene	7	7	7	340	6	6.7 J	2.5	6.6 J	4.6 J	0 U	2 U	2 U	0.4 J	2 U	5 U	5 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0065		12 U	2.5 U	12 U	12 U							
1,2-Dichloroethane	5	5	5	0.15	5 U	12 U	2.5 U	12 U	12 U		2 U	2 U	2 U	2 U	5 U	5 U
1,2-Dichloroethene	70	70	70	330												
1,2-Dichloropropane	5	5	5	0.39	5 U	12 U	2.5 U	12 U	12 U		1 U	1 U	1 U	1 U	5 U	5 U
1,3,5-Trimethylbenzene	13	53		370												
1,3-Dichlorobenzene	600	600														
1,4-Dioxane	6.4	32		0.67	1000 U	2500 U	500 U	2500 U	2500 U					1000 U	1000 U	1000 U
2-Butanone	4000	4000		7100	5 U	120 U	25 U	120 U	120 U		5 U	5 U	5 U	5 U	5 U	5 U
2-Chloroethyl Vinyl Ether					10 U						5 U	5 U	5 U	5 U	10 U	10 U
2-Hexanone	11	44		47		120 U	25 U	120 U	120 U							
4-Methyl-2-Pentanone	2900	8200		2000		120 U	25 U	120 U	120 U							
Acetone	33000	92000		22000		120 U	25 U	120 U	120 U							
Acrolein	0.042	0.18		0.042	100 U						100 U	100 U	100 U	100 U	100 U	100 U
Acrylonitrile	0.72	3.7		0.045	100 U	250 U	50 U	250 U	250 U		50 U	50 U	50 U	50 U	100 U	100 U
Benzene	5	5	5	0.41	5 U	12 U	2.5 U	12 U	12 U		1 U	1 U	1 U	1 U	5 U	5 U
Bromochloromethane	90	90				12 U	2.5 U	12 U	12 U							
Bromodichloromethane	80	80		0.12	5 U	12 U	2.5 U	12 U	12 U		1 U	1 U	1 U	0.9 J	5 U	5 U
Bromoform	80	80		8.5	5 U	12 U	2.5 U	12 U	12 U		4 U	4 U	4 U	4 U	5 U	5 U
Bromomethane	10	10		8.7	5 U	12 U	2.5 U	12 U	12 U		5 U	5 U	5 U	5 U	5 U	5 U
Carbon Disulfide	1500	6200		1000		12 U	2.5 U	12 U	5.4 J							
Carbon Tetrachloride	5	5	5	0.44	5 U	12 U	2.5 U	12 U	12 U		2 U	2 U	2 U	2 U	5 U	5 U
Chlorobenzene	100	100	100	91	5 U	12 U	2.5 U	12 U	12 U	8.9	2.3 J		2.4 J	5 U	5 U	5 U
Chlorodibromomethane	80	80		0.15	5 U	12 U	2.5 U	12 U	12 U		5 U	5 U	5 U	5 U	5 U	5 U
Chloroethane	230	900		21000	5 U	12 U	2.5 U	12 U	12 U		5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	80	80		0.19	5 U	12 U	2.5 U	12 U	12 U	1.1 J	0.9 J		0.5 J	2.6 J	5 U	5 U
Chloromethane	30	30		190	5 U	12 U	2.5 U	12 U	12 U		5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	73	37	25	14	23	21		8.5	7.8	16	1.2 J	5 U	5 U
cis-1,3-Dichloropropene	6.6	26		0.43	5 U	12 U	2.5 U	12 U	12 U		5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	700	700	700	1.5	5 U	12 U	2.5 U	12 U	12 U		4 U	4 U	4 U	4 U	5 U	5 U
Isopropylbenzene	840	3500		680												
Methyl tert-butyl ether	20	20		12		12 U	2.5 U	12 U	12 U							
Methylene chloride	5	5		4.8	5 U	8.7 J B	1 J B	12 U	8.2 J		3 U	3 U	3 U	3 U	5 U	5 U
Naphthalene	100	100		0.14												
Styrene	100	100	100	1600		12 U	2.5 U	12 U	12 U							
Tetrachloroethene	5	5	5	0.11	170	200	50	200	110	16	14		69	4.3	1.1 J	2.1 J

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 2.4-3
Groundwater Data Summary - VOC 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 6/27/2007	MW-93D 5/13/2008	MW-93D 9/22/2008	MW-93D 6/26/2009	MW-93D 6/28/2010	MW-93S 4/15/2004	MW-93S 4/16/2004	MW-93S Dup 4/16/2004	MW-93S 4/26/2004	MW-93S 6/20/2005	MW-93S 6/22/2006	MW-93S 6/27/2007
Toluene	1000	1000	1000	2300	5 U	12 U	2.5 U	12 U	12 U		0.5 J	0.6 J	0.7 J	5 U	5 U	5 U
trans-1,2-Dichloroethene	100	100	100	110	5 U	12 U	2.5 U	12 U	12 U		5 U	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	6.6	26		0.43	5 U	12 U	2.5 U	12 U	12 U		5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5	5	5	2	180	250	59	240	140		8.8	8.7	17	7.4	5 U	5 U
Vinyl Chloride	2	2	2	0.016	5 U	12 U	2.5 U	12 U	12 U		5 U	5 U	5 U	5 U	5 U	5 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	200		38 U	7.5 U	38 U	38 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 2.4-3
Groundwater Data Summary - VOC 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-93S 4/25/2008	MW-93S 9/15/2008	MW-93S 6/17/2009	MW-93S 6/23/2010	MW-94 5/8/2008	MW-94 9/29/2008	MW-94 7/8/2009	MW-94 7/7/2010	MW-95 5/2/2008	MW-95 9/11/2008	MW-95 6/23/2009	MW-95 6/23/2010	MW-96D 5/2/2008
TOTAL VOC																	
				97.4	5.47	7.17	5.44	549.2	750	311.2	250.1	50.272	51.72	56.79	35.26	565.9	350
Volatile Organic Compound																	
1,1,1,2-Tetrachloroethane	70	70		0.52	1 U	1 U	1 U	1 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	25 U
1,1,1-Trichloroethane	200	200	200	9100	1 U	1 U	1 U	1 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	25 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	1 U	1 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	25 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	1 U	1 U	1 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	25 U
1,1,2-Trichlorofluoromethane	2000	2000		1300													
1,1-Dichloroethane	31	160		2.4	0.42 J	0.45 J	0.66 J	0.49 J	10 U	10 U	10 U	10 U	0.31 J	0.32 J	0.39 J	0.36 J	25 U
1,1-Dichloroethene	7	7	7	340	1 U	1 U	1 U	1 U	10 U	10 U	10 U	10 U	0.17 J	1 U	1 U	1 U	25 U
1,2,4-Trimethylbenzene	15	62		15													
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	1 U	1 U	1 U	1 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	25 U
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	1 U	1 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	25 U
1,2-Dichloroethene	70	70	70	330													
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	25 U
1,3,5-Trimethylbenzene	13	53		370													
1,3-Dichlorobenzene	600	600															
1,4-Dioxane	6.4	32		0.67	200 U	200 U	200 U	200 U	2000 U	2000 U	2000 U	2000 U	200 U	200 U	200 U	200 U	5000 U
2-Butanone	4000	4000		7100	10 U	10 U	10 U	10 U	100 U	100 U	100 U	100 U	10 U	10 U	10 U	10 U	250 U
2-Chloroethyl Vinyl Ether																	
2-Hexanone	11	44		47	10 U	10 U	10 U	10 U	100 U	100 U	100 U	100 U	10 U	10 U	10 U	10 U	250 U
4-Methyl-2-Pentanone	2900	8200		2000	10 U	10 U	10 U	10 U	100 U	100 U	100 U	100 U	10 U	10 U	10 U	10 U	250 U
Acetone	33000	92000		22000	10 U	10 U	10 U	10 U	100 U	100 U	100 U	100 U	10 U	10 U	10 U	10 U	250 U
Acrolein	0.042	0.18		0.042													
Acrylonitrile	0.72	3.7		0.045	20 U	20 U	20 U	20 U	200 U	200 U	200 U	200 U	20 U	20 U	20 U	20 U	500 U
Benzene	5	5	5	0.41	1 U	1 U	1 U	1 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	25 U
Bromochloromethane	90	90			1 U	1 U	1 U	1 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	25 U
Bromodichloromethane	80	80		0.12	1 U	1 U	1 U	1 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	25 U
Bromoform	80	80		8.5	1 U	1 U	1 U	1 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	25 U
Bromomethane	10	10		8.7	1 U	1 U	1 U	1 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	25 U
Carbon Disulfide	1500	6200		1000	1 U	1 U	1 U	0.83 J	10 U	10 U	10 U	11 B	1 U	1 U	1 U	0.3 J B	25 U
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	1 U	1 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	25 U
Chlorobenzene	100	100	100	91	1 U	1 U	1 U	1 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	25 U
Chlorodibromomethane	80	80		0.15	1 U	1 U	1 U	1 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	25 U
Chloroethane	230	900		21000	1 U	1 U	1 U	1 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	25 U
Chloroform	80	80		0.19	1.5	0.62 J	0.41 J	0.34 J	10 U	10 U	10 U	10 U	0.082 J	1 U	1 U	1 U	25 U
Chloromethane	30	30		190	1 U	1 U	1 U	1 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	25 U
cis-1,2-Dichloroethene	70	70	70	73	1.4	1.4	2.9	0.68 J	310	380	180	150	19	18	19	13	67
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	1 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	25 U
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	1 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	25 U
Isopropylbenzene	840	3500		680													
Methyl tert-butyl ether	20	20		12	1 U	1 U	1 U	1 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	25 U
Methylene chloride	5	5		4.8	1 U	1 U	1 U	1 U	4.1 J	10 U	2.5 J	10 U	1 U	1 U	1 U	1 U	6.9 J
Naphthalene	100	100		0.14													
Styrene	100	100	100	1600	1 U	1 U	1 U	1 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	25 U
Tetrachloroethene	5	5	5	0.11	2.8	1.8	1.9	1.3	11	23	5.8 J	4.7 J	2.6	4.4	3.2	1.6	32

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 2.4-3
Groundwater Data Summary - VOC 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-93S 4/25/2008	MW-93S 9/15/2008	MW-93S 6/17/2009	MW-93S 6/23/2010	MW-94 5/8/2008	MW-94 9/29/2008	MW-94 7/8/2009	MW-94 7/7/2010	MW-95 5/2/2008	MW-95 9/11/2008	MW-95 6/23/2009	MW-95 6/23/2010	MW-96D 5/2/2008
Toluene	1000	1000	1000	2300	1 U	1 U	1 U	1 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	25 U
trans-1,2-Dichloroethene	100	100	100	110	1 U	1 U	1 U	1 U	4.1 J	7 J	2.9 J	2.4 J	0.11 J	1 U	0.2 J	1 U	25 U
trans-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	1 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	25 U
Trichloroethene	5	5	5	2	1.8	1.2	1.3	1.8	220	340	120	82 B	28	29 J	34	20	460
Vinyl Chloride	2	2	2	0.016	1 U	1 U	1 U	1 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	25 U
VOC Library Search																	
Xylenes (Total)	10000	10000	10000	200	3 U	3 U	3 U	3 U	30 U	30 U	30 U	30 U	3 U	3 U	3 U	3 U	75 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 2.4-3
Groundwater Data Summary - VOC 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-96D 9/24/2008	MW-96D 7/6/2009	MW-96D 6/28/2010	MW-96S 5/2/2008	MW-96S 10/1/2008	MW-96S Dup 10/1/2008	MW-96S 7/2/2009	MW-96S 7/2/2010	MW-97 5/2/2008	MW-97 9/19/2008	MW-97 7/1/2009	MW-98D 5/27/2008
TOTAL VOC																
				97.4	378	750.5	2068	1442	1494	1620	2961	718	674.8	631.1	2.93	0
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52	25 U	25 U	25 U	50 U	50 U	60 U	50 U	100 U	25 U	25 U	25 U	1 U
1,1,1-Trichloroethane	200	200	200	9100	25 U	25 U	25 U	50 U	50 U	60 U	50 U	100 U	25 U	6.8 J	25 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	25 U	25 U	25 U	50 U	50 U	60 U	50 U	100 U	25 U	25 U	25 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	25 U	25 U	25 U	50 U	50 U	60 U	50 U	100 U	25 U	25 U	25 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1-Dichloroethane	31	160		2.4	25 U	25 U	25 U	50 U	50 U	60 U	50 U	100 U	25 U	25 U	5.1 J	1 U
1,1-Dichloroethene	7	7	7	340	25 U	25 U	25 U	50 U	50 U	60 U	50 U	100 U	25 U	25 U	25 U	1 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	25 U	25 U	25 U	50 U	50 U	60 U	50 U	100 U	25 U	25 U	25 U	1 U
1,2-Dichloroethane	5	5	5	0.15	25 U	25 U	25 U	50 U	50 U	60 U	50 U	100 U	25 U	25 U	25 U	1 U
1,2-Dichloroethene	70	70	70	330												
1,2-Dichloropropane	5	5	5	0.39	25 U	25 U	25 U	50 U	50 U	60 U	50 U	100 U	25 U	25 U	25 U	1 U
1,3,5-Trimethylbenzene	13	53		370												
1,3-Dichlorobenzene	600	600														
1,4-Dioxane	6.4	32		0.67	5000 U	5000 U	5000 U	10000 U	10000 U	12000 U	10000 U	20000 U	5000 U	5000 U	5000 U	200 U
2-Butanone	4000	4000		7100	250 U	250 U	250 U	500 U	500 U	600 U	500 U	1000 U	250 U	250 U	250 U	10 U
2-Chloroethyl Vinyl Ether																
2-Hexanone	11	44		47	250 U	250 U	250 U	500 U	500 U	600 U	500 U	1000 U	250 U	250 U	250 U	10 U
4-Methyl-2-Pentanone	2900	8200		2000	250 U	250 U	250 U	500 U	500 U	600 U	500 U	1000 U	250 U	250 U	250 U	10 U
Acetone	33000	92000		22000	250 U	250 U	250 U	500 U	500 U	600 U	500 U	1000 U	250 U	250 U	250 U	2.7 J
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045	500 U	500 U	500 U	1000 U	1000 U	1200 U	1000 U	2000 U	500 U	500 U	500 U	20 U
Benzene	5	5	5	0.41	25 U	25 UJ	25 U	50 U	50 U	60 U	50 U	100 U	25 U	25 U	25 U	1 U
Bromochloromethane	90	90			25 U	25 U	25 U	50 U	50 U	60 U	50 U	100 U	25 U	25 U	25 U	1 U
Bromodichloromethane	80	80		0.12	25 U	25 U	25 U	50 U	50 U	60 U	50 U	100 U	25 U	25 U	25 U	1 U
Bromoform	80	80		8.5	25 U	25 U	25 U	50 U	50 U	60 U	50 U	100 U	25 U	25 U	25 U	1 U
Bromomethane	10	10		8.7	25 U	25 U	25 U	50 U	50 U	60 U	50 U	100 U	25 U	25 U	25 U	1 U
Carbon Disulfide	1500	6200		1000	25 U	25 U	8.5 J	50 U	50 U	60 U	50 U	170	25 U	25 U	25 U	1 U
Carbon Tetrachloride	5	5	5	0.44	25 U	25 U	25 U	50 U	50 U	60 U	50 U	100 U	25 U	25 U	25 U	1 U
Chlorobenzene	100	100	100	91	25 U	25 UJ	25 U	50 U	50 U	60 U	50 U	100 U	25 U	25 U	25 U	1 U
Chlorodibromomethane	80	80		0.15	25 U	25 U	25 U	50 U	50 U	60 U	50 U	100 U	25 U	25 U	25 U	1 U
Chloroethane	230	900		21000	25 U	25 U	25 U	50 U	50 U	60 U	50 U	100 U	25 U	25 U	25 U	1 U
Chloroform	80	80		0.19	25 U	25 U	25 U	50 U	50 U	60 U	50 U	100 U	25 U	25 U	25 U	1 U
Chloromethane	30	30		190	25 U	25 U	25 U	50 U	50 U	60 U	50 U	100 U	25 U	25 U	25 U	1 U
cis-1,2-Dichloroethene	70	70	70	73	41	46	74	63	42 J	44 J	53	81 J	270	260	240	1 U
cis-1,3-Dichloropropene	6.6	26		0.43	25 U	25 U	25 U	50 U	50 U	60 U	50 U	100 U	25 U	25 U	25 U	1 U
Ethylbenzene	700	700	700	1.5	25 U	25 U	25 U	50 U	50 U	60 U	50 U	100 U	25 U	25 U	25 U	1 U
Isopropylbenzene	840	3500		680												
Methyl tert-butyl ether	20	20		12	25 U	25 U	25 U	50 U	50 U	60 U	50 U	100 U	25 U	25 U	25 U	1 U
Methylene chloride	5	5		4.8	25 U	25 U	12 J	15 J	50 U	60 U	17 J B	100 U	6.9 J	12 J B	16 J	1 U
Naphthalene	100	100		0.14												
Styrene	100	100	100	1600	25 U	25 U	25 U	50 U	50 U	60 U	50 U	100 U	25 U	25 U	25 U	1 U
Tetrachloroethene	5	5	5	0.11	19 J	22 J	36	590	560	560	450	910	17 J	26	20 J	1 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 2.4-3
Groundwater Data Summary - VOC 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-96D 9/24/2008	MW-96D 7/6/2009	MW-96D 6/28/2010	MW-96S 5/2/2008	MW-96S 10/1/2008	MW-96S Dup 10/1/2008	MW-96S 7/2/2009	MW-96S 7/2/2010	MW-97 5/2/2008	MW-97 9/19/2008	MW-97 7/1/2009	MW-98D 5/27/2008
Toluene	1000	1000	1000	2300	25 U	25 UJ	25 U	50 U	50 U	60 U	50 U	100 U	25 U	25 U	25 U	1 U
trans-1,2-Dichloroethene	100	100	100	110	25 U	25 U	25 U	50 U	50 U	60 U	50 U	100 U	25 U	25 U	25 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.43	25 U	25 U	25 U	50 U	50 U	60 U	50 U	100 U	25 U	25 U	25 U	1 U
Trichloroethene	5	5	5	2	290	310	620	1400	840	890	1100	1800	420	370	350	0.23 J
Vinyl Chloride	2	2	2	0.016	25 U	25 U	25 U	50 U	50 U	60 U	50 U	100 U	4.1 J	25 U	25 U	1 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	200	75 U	75 U	75 U	150 U	150 U	180 U	150 U	300 U	75 U	75 U	75 U	3 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 2.4-3
Groundwater Data Summary - VOC 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
TOTAL VOC																	
				97.4	0.17	0.36	46.509	45.49	35.16	26.86	20.36	38.17	15.59	15.99	188.3	142.3	111.3
Volatile Organic Compound																	
1,1,1,2-Tetrachloroethane	70	70		0.52	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
1,1,1-Trichloroethane	200	200	200	9100	1 U	1 U	1 U	0.58 J	0.51 J	0.39 J	1 U	0.22 J	1 U	1 U	1 U	5.9	5 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
1,1,2-Trichlorofluoromethane	2000	2000		1300													
1,1-Dichloroethane	31	160		2.4	1 U	1 U	1 U	1 U	0.41 J	0.38 J	0.27 J	1 U	0.41 J	0.19 J	1 U	5 U	5 U
1,1-Dichloroethene	7	7	7	340	1 U	1 U	1 U	0.55 J	0.57 J	0.39 J	1 U	0.17 J	0.39 J	1 U	1 U	5.2	4 J
1,2,4-Trimethylbenzene	15	62		15													
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
1,2-Dichloroethene	70	70	70	330													
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
1,3,5-Trimethylbenzene	13	53		370													
1,3-Dichlorobenzene	600	600															
1,4-Dioxane	6.4	32		0.67	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	1000 U	1000 U
2-Butanone	4000	4000		7100	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	50 U
2-Chloroethyl Vinyl Ether																	
2-Hexanone	11	44		47	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	50 U
4-Methyl-2-Pentanone	2900	8200		2000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	50 U
Acetone	33000	92000		22000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	50 U
Acrolein	0.042	0.18		0.042													
Acrylonitrile	0.72	3.7		0.045	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	100 U	100 U
Benzene	5	5	5	0.41	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
Bromochloromethane	90	90			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
Bromodichloromethane	80	80		0.12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
Bromoform	80	80		8.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
Bromomethane	10	10		8.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
Carbon Disulfide	1500	6200		1000	1 U	1 U	0.36 J	1 U	1 U	1 U	0.29 J B	1 U	1 U	1 U	0.29 J B	5 U	5 U
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
Chlorobenzene	100	100	100	91	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
Chlorodibromomethane	80	80		0.15	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
Chloroethane	230	900		21000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
Chloroform	80	80		0.19	1 U	1 U	1 U	0.079 J	1 U	1 U	1 U	0.07 J	0.17 J	1 U	1 U	5 U	5 U
Chloromethane	30	30		190	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	73	1 U	1 U	1 U	5.9	6.9	6.7	5.4	1.9	5.5	1.8	2.1	26	17
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
Isopropylbenzene	840	3500		680													
Methyl tert-butyl ether	20	20		12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
Methylene chloride	5	5		4.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.3 J B	2.5 J
Naphthalene	100	100		0.14													
Styrene	100	100	100	1600	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
Tetrachloroethene	5	5	5	0.11	1 U	1 U	1 U	9.4	8.1	5.3	3.9	5	5.7	2.6	2.6	7.9	8.8

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 2.4-3
Groundwater Data Summary - VOC 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
Toluene	1000	1000	1000	2300	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
trans-1,2-Dichloroethene	100	100	100	110	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
trans-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
Trichloroethene	5	5	5	2	1 U	0.17 J	1 U	30	29	22	17	13	26	11	11	140	110
Vinyl Chloride	2	2	2	0.016	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
VOC Library Search																	
Xylenes (Total)	10000	10000	10000	200	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	15 U	15 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.

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Groundwater Data Summary - VOC 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-99D 6/25/2009	MW-99D 6/22/2010	MW-99S 5/22/2008	MW-99S 9/24/2008	MW-99S 6/26/2009	MW-99S 6/22/2010	MW-100D 5/22/2008	MW-100D 9/22/2008	MW-100D 7/1/2009	MW-100D 6/24/2010	MW-100I 5/21/2008	MW-100I 9/24/2008
TOTAL VOC																
				97.4	115.9	254.6	181.7	165.3	93.61	533	783.1	328.1	442.4	548.2	282.6	353
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52	5 U	5 U	5 U	5 U	5 U	4 U	12 U	20 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	200	200	200	9100	2.9 J	3.2 J	4.1 J	3 J	3.6 J	4 U	6 J	8.4 J	4.2 J	10 U	8 J	3.8 J
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	5 U	5 U	5 U	5 U	5 U	4 U	12 U	20 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	5	5	5	0.24	5 U	5 U	5 U	5 U	5 U	4 U	12 U	20 U	10 U	10 U	10 U	10 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1-Dichloroethane	31	160		2.4	5 U	5 U	5 U	5 U	5 U	4 U	2.9 J	5.3 J	2.3 J	2.8 J	2.7 J	10 U
1,1-Dichloroethene	7	7	7	340	3.1 J	3 J	4.3 J	3.7 J	2.7 J	1.3 J	8.3 J	13 J	5.4 J	5.9 J	8.7 J	3.8 J
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	5 U	5 U	5 U	5 U	5 U	4 U	12 U	20 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	5	5	5	0.15	5 U	5 U	5 U	5 U	5 U	4 U	12 U	20 U	10 U	10 U	10 U	10 U
1,2-Dichloroethene	70	70	70	330												
1,2-Dichloropropane	5	5	5	0.39	5 U	5 U	5 U	5 U	5 U	4 U	12 U	20 U	10 U	10 U	10 U	10 U
1,3,5-Trimethylbenzene	13	53		370												
1,3-Dichlorobenzene	600	600														
1,4-Dioxane	6.4	32		0.67	1000 U	1000 U	1000 U	1000 U	1000 U	800 U	2500 U	4000 U	2000 U	2000 U	2000 U	2000 U
2-Butanone	4000	4000		7100	50 U	50 U	50 U	50 U	50 U	40 U	120 U	200 U	100 U	100 U	100 U	100 U
2-Chloroethyl Vinyl Ether																
2-Hexanone	11	44		47	50 U	50 U	50 U	50 U	50 U	40 U	120 U	200 U	100 U	100 U	100 U	100 U
4-Methyl-2-Pentanone	2900	8200		2000	50 U	50 U	50 U	50 U	50 U	40 U	120 U	200 U	100 U	100 U	100 U	100 U
Acetone	33000	92000		22000	50 U	50 U	50 U	50 U	50 U	40 U	120 U	200 U	100 U	100 U	100 U	100 U
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045	100 U	100 U	100 U	100 U	100 U	80 U	250 U	400 U	200 U	200 U	200 U	200 U
Benzene	5	5	5	0.41	5 U	5 U	5 U	5 U	5 U	4 U	12 U	20 U	10 U	10 U	10 U	10 U
Bromochloromethane	90	90			5 U	5 U	5 U	5 U	5 U	4 U	12 U	20 U	10 U	10 U	10 U	10 U
Bromodichloromethane	80	80		0.12	5 U	5 U	5 U	5 U	5 U	4 U	12 U	20 U	10 U	10 U	10 U	10 U
Bromoform	80	80		8.5	5 U	5 U	5 U	5 U	5 U	4 U	12 U	20 U	10 U	10 U	10 U	10 U
Bromomethane	10	10		8.7	5 U	5 U	5 U	5 U	5 U	4 U	12 U	20 U	10 U	10 U	10 U	10 U
Carbon Disulfide	1500	6200		1000	5 U	2.5 J B	5 U	5 U	5 U	2 J B	12 U	20 U	10 U	5.9 J	10 U	10 U
Carbon Tetrachloride	5	5	5	0.44	5 U	5 U	5 U	5 U	5 U	4 U	12 U	20 U	10 U	10 U	10 U	10 U
Chlorobenzene	100	100	100	91	5 U	5 U	5 U	5 U	5 U	4 U	12 U	20 U	10 U	10 U	10 U	10 U
Chlorodibromomethane	80	80		0.15	5 U	5 U	5 U	5 U	5 U	4 U	12 U	20 U	10 U	10 U	10 U	10 U
Chloroethane	230	900		21000	5 U	5 U	5 U	5 U	5 U	4 U	12 U	20 U	10 U	10 U	10 U	10 U
Chloroform	80	80		0.19	5 U	5 U	5 U	5 U	5 U	4 U	12 U	20 U	10 U	10 U	10 U	10 U
Chloromethane	30	30		190	5 U	5 U	5 U	5 U	5 U	4 U	12 U	20 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	70	70	70	73	11	13	50	32	28	15	92	140	69	83	84	48
cis-1,3-Dichloropropene	6.6	26		0.43	5 U	5 U	5 U	5 U	5 U	4 U	12 U	20 U	10 U	10 U	10 U	10 U
Ethylbenzene	700	700	700	1.5	5 U	5 U	5 U	5 U	5 U	4 U	12 U	20 U	10 U	10 U	10 U	10 U
Isopropylbenzene	840	3500		680												
Methyl tert-butyl ether	20	20		12	5 U	5 U	5 U	5 U	5 U	4 U	12 U	20 U	10 U	10 U	10 U	10 U
Methylene chloride	5	5		4.8	5 U	0.8 J	3.2 J B	5 U	5 U	0.71 J	3.8 J	6.4 J	3.2 J B	2.2 J	4.8 J	10 U
Naphthalene	100	100		0.14												
Styrene	100	100	100	1600	5 U	5 U	5 U	5 U	5 U	4 U	12 U	20 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	5	5	0.11	8.3	6.4	13	13	11	6.6	180	290	94	130	170	87

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Toluene	1000	1000	1000	2300	5 U	5 U	5 U	5 U	5 U	4 U	12 U	20 U	10 U	10 U	10 U	10 U
trans-1,2-Dichloroethene	100	100	100	110	5 U	5 U	5 U	5 U	5 U	4 U	12 U	20 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	6.6	26		0.43	5 U	5 U	5 U	5 U	5 U	4 U	12 U	20 U	10 U	10 U	10 U	10 U
Trichloroethene	5	5	5	2	86	87	180	130	120	68	240 J	320	150	210	270 B	140
Vinyl Chloride	2	2	2	0.016	5 U	5 U	5 U	5 U	5 U	4 U	12 U	20 U	10 U	2.6 J	10 U	10 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	200	15 U	15 U	15 U	15 U	15 U	12 U	38 U	60 U	30 U	30 U	30 U	30 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.

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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-100I 6/30/2009	MW-100I 6/24/2010	MW-100S 5/22/2008	MW-100S Dup 5/22/2008	MW-100S 9/24/2008	MW-100S 7/2/2009	MW-100S 6/22/2010	MW-101D 5/21/2008	MW-101D 9/12/2008	MW-101D 6/23/2009	MW-101D Dup 6/23/2009	MW-101D 6/16/2010
TOTAL VOC																
				97.4	202	580.2	571.3	290.6	225.6	234.4	58.38	39.39	48.14	33.5	46.21	33.65
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	200	200	200	9100	3.9 J	10 U	7.5 J	7.4 J	10 U	3 J	10 U	0.36 J	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1-Dichloroethane	31	160		2.4	1.6 J	10 U	2.5 J	10 U	10 U	10 U	10 U	0.35 J	0.37 J	0.48 J	0.3 J	0.41 J
1,1-Dichloroethene	7	7	7	340	4.2 J	10 U	8.4 J	8.1 J	4.6 J	3.6 J	10 U	0.67 J	0.52 J	0.56 J	1 U	0.62 J
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	5	5	5	0.15	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330												
1,2-Dichloropropane	5	5	5	0.39	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	13	53		370												
1,3-Dichlorobenzene	600	600														
1,4-Dioxane	6.4	32		0.67	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	200 U	200 U	200 U	200 U	200 U
2-Butanone	4000	4000		7100	100 U	100 U	100 U	100 U	100 U	100 U	100 U	10 U	10 U	10 U	10 U	10 U
2-Chloroethyl Vinyl Ether																
2-Hexanone	11	44		47	100 U	100 U	100 U	100 U	100 U	100 U	100 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	2900	8200		2000	100 U	100 U	100 U	100 U	100 U	100 U	100 U	10 U	10 U	10 U	10 U	10 U
Acetone	33000	92000		22000	100 U	100 U	100 U	100 U	100 U	100 U	100 U	10 U	10 U	10 U	10 U	10 U
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045	200 U	200 U	200 U	200 U	200 U	200 U	200 U	20 U	20 U	20 U	20 U	20 U
Benzene	5	5	5	0.41	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	90	90			10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	80	80		0.12	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
Bromoform	80	80		8.5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	10	10		8.7	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	1500	6200		1000	10 U	16	10 U	10 U	10 U	10 U	3.2 J B	1 U	1 U	1 U	1 U	0.28 J B
Carbon Tetrachloride	5	5	5	0.44	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	91	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	230	900		21000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
Chloroform	80	80		0.19	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2.2	1.4	1.1	0.9 J	0.9 J
Chloromethane	30	30		190	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	70	70	70	73	49	32	88	82	44	40	37	16	12	16	12	20
cis-1,3-Dichloropropene	6.6	26		0.43	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	840	3500		680												
Methyl tert-butyl ether	20	20		12	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
Methylene chloride	5	5		4.8	4.3 J	10 U	3.8 J	3.8 J	10 U	4 J	3.2 J	1 U	1 U	1 U	1 U	1 U
Naphthalene	100	100		0.14												
Styrene	100	100	100	1600	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	5	5	0.11	110	54	190	190	92	65	71	8.8	6.1	6	4.3	5

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 2.4-3
Groundwater Data Summary - VOC 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-100I 6/30/2009	MW-100I 6/24/2010	MW-100S 5/22/2008	MW-100S Dup 5/22/2008	MW-100S 9/24/2008	MW-100S 7/2/2009	MW-100S 6/22/2010	MW-101D 5/21/2008	MW-101D 9/12/2008	MW-101D 6/23/2009	MW-101D Dup 6/23/2009	MW-101D 6/16/2010
Toluene	1000	1000	1000	2300	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	100	100	100	110	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.43	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	5	5	2	180	100	280	280	150	110	120	30	19	24	16	19
Vinyl Chloride	2	2	2	0.016	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	200	30 U	30 U	30 U	30 U	30 U	30 U	30 U	3 U	3 U	3 U	3 U	3 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 2.4-3
Groundwater Data Summary - VOC 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-101S 5/22/2008	MW-101S 9/10/2008	MW-101S 6/18/2009	MW-101S 6/22/2010	MW-102D 4/29/2008	MW-102D 9/19/2008	MW-102D 7/2/2009	MW-102D Dup 7/2/2009	MW-102D 6/23/2010	MW-102S 4/30/2008	MW-102S 9/17/2008	MW-102S 6/24/2009
TOTAL VOC																
				97.4	26.13	29.91	41.94	202.9	200	151.3	130.8	170.9	138.98	167	321.79	169.8
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52	1 U	1 U	1 U	1 U	10 U	10 U	10 U	10 U	10 U	3 U	2.5 U	3 U
1,1,1-Trichloroethane	200	200	200	9100	0.61 J	1 U	0.46 J	0.58 J	10 U	10 U	10 U	10 U	10 U	26	31	97
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	1 U	1 U	10 U	10 U	10 U	10 U	10 U	3 U	2.5 U	3 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	1 U	1 U	1 U	10 U	10 U	10 U	10 U	10 U	3 U	2.5 U	3 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1-Dichloroethane	31	160		2.4	1 U	1 U	1 U	1 U	10 U	10 U	10 U	10 U	10 U	2.4 J	2 J	17
1,1-Dichloroethene	7	7	7	340	0.44 J	0.38 J	0.35 J	0.58 J	10 U	10 U	10 U	10 U	10 U	20	29	62
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	1 U	1 U	1 U	1 U	10 U	10 U	10 U	10 U	10 U	3 U	2.5 U	3 U
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	1 U	1 U	10 U	10 U	10 U	10 U	10 U	3 U	2.5 U	3 U
1,2-Dichloroethene	70	70	70	330												
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U	10 U	10 U	10 U	10 U	10 U	3 U	2.5 U	3 U
1,3,5-Trimethylbenzene	13	53		370												
1,3-Dichlorobenzene	600	600														
1,4-Dioxane	6.4	32		0.67	200 U	200 U	200 U	200 U	2000 U	2000 U	2000 U	2000 U	2000 U	600 U	500 U	600 U
2-Butanone	4000	4000		7100	10 U	10 U	10 U	10 U	100 U	100 U	100 U	100 U	100 U	30 U	25 U	30 U
2-Chloroethyl Vinyl Ether																
2-Hexanone	11	44		47	10 U	10 U	10 U	10 U	100 U	100 U	100 U	100 U	100 U	30 U	25 U	30 U
4-Methyl-2-Pentanone	2900	8200		2000	10 U	10 U	10 U	10 U	100 U	100 U	100 U	100 U	100 U	30 U	25 U	30 U
Acetone	33000	92000		22000	10 U	10 U	10 U	10 U	100 U	100 U	100 U	100 U	100 U	30 U	25 U	30 U
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045	20 U	20 U	20 U	20 U	200 U	200 U	200 U	200 U	200 U	60 U	50 U	60 U
Benzene	5	5	5	0.41	1 U	1 U	1 U	1 U	10 U	10 U	10 U	10 U	10 U	3 U	2.5 U	3 U
Bromochloromethane	90	90			1 U	1 U	1 U	1 U	10 U	10 U	10 U	10 U	10 U	3 U	2.5 U	3 U
Bromodichloromethane	80	80		0.12	1 U	1 U	1 U	1 U	10 U	10 U	10 U	10 U	10 U	3 U	2.5 U	3 U
Bromoform	80	80		8.5	1 U	1 U	1 U	1 U	10 U	10 U	10 U	10 U	10 U	3 U	2.5 U	3 U
Bromomethane	10	10		8.7	1 U	1 U	1 U	1 U	10 U	10 U	10 U	10 U	10 U	3 U	2.5 U	3 U
Carbon Disulfide	1500	6200		1000	1 U	1 U	1 U	0.38 J B	10 U	10 U	10 U	10 U	7.1 J	3 U	2.5 U	3 U
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	1 U	1 U	10 U	10 U	10 U	10 U	10 U	3 U	2.5 U	3 U
Chlorobenzene	100	100	100	91	1 U	1 U	1 U	1 U	10 U	10 U	10 U	10 U	10 U	3 U	2.5 U	3 U
Chlorodibromomethane	80	80		0.15	1 U	1 U	1 U	1 U	10 U	10 U	10 U	10 U	10 U	3 U	2.5 U	3 U
Chloroethane	230	900		21000	1 U	1 U	1 U	1 U	10 U	10 U	10 U	10 U	10 U	3 U	2.5 U	3 U
Chloroform	80	80		0.19	2	0.75 J	0.9 J	0.69 J	10 U	10 U	10 U	10 U	10 U	3 U	2.5 U	3 U
Chloromethane	30	30		190	1 U	1 U	1 U	0.31 J	10 U	10 U	10 U	10 U	10 U	3 U	2.5 U	3 U
cis-1,2-Dichloroethene	70	70	70	73	3.4	3.1	3.5	5	9.7 J	11	7.6 J	8.5 J	11	10	14	36
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	1 U	10 U	10 U	10 U	10 U	10 U	3 U	2.5 U	3 U
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	1 U	10 U	10 U	10 U	10 U	10 U	3 U	2.5 U	3 U
Isopropylbenzene	840	3500		680												
Methyl tert-butyl ether	20	20		12	1 U	1 U	1 U	1 U	10 U	10 U	10 U	10 U	10 U	3 U	2.5 U	3 U
Methylene chloride	5	5		4.8	1 U	1 U	1 U	1 U	2.2 J	5 J B	6.6 J	3.2 J B	3.2 J	0.58 J	1 J B	0.79 J
Naphthalene	100	100		0.14												
Styrene	100	100	100	1600	1 U	1 U	1 U	1 U	10 U	10 U	10 U	10 U	10 U	3 U	2.5 U	3 U
Tetrachloroethene	5	5	5	0.11	4.2	3.9	3.7	4.4	11	14	7.1 J	9.1 J	9.6 J	19	25	27

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 2.4-3
Groundwater Data Summary - VOC 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-101S 5/22/2008	MW-101S 9/10/2008	MW-101S 6/18/2009	MW-101S 6/22/2010	MW-102D 4/29/2008	MW-102D 9/19/2008	MW-102D 7/2/2009	MW-102D Dup 7/2/2009	MW-102D 6/23/2010	MW-102S 4/30/2008	MW-102S 9/17/2008	MW-102S 6/24/2009
Toluene	1000	1000	1000	2300	1 U	1 U	1 U	1 U	10 U	10 U	10 U	10 U	10 U	3 U	2.5 U	3 U
trans-1,2-Dichloroethene	100	100	100	110	1 U	1 U	1 U	1 U	10 U	10 U	10 U	10 U	10 U	3 U	2.5 U	3 U
trans-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	1 U	10 U	10 U	10 U	10 U	10 U	3 U	2.5 U	3 U
Trichloroethene	5	5	5	2	23	18	21	30	180	170	130	110	140	61	65	82
Vinyl Chloride	2	2	2	0.016	1 U	1 U	1 U	1 U	10 U	10 U	10 U	10 U	10 U	3 U	2.5 U	3 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	200	3 U	3 U	3 U	3 U	30 U	30 U	30 U	30 U	30 U	9 U	7.5 U	9 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 2.4-3
Groundwater Data Summary - VOC 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-102S 6/21/2010	MW-103D 4/30/2008	MW-103D 9/19/2008	MW-103D 6/23/2009	MW-103D 6/18/2010	MW-103S 4/30/2008	MW-103S 9/19/2008	MW-103S 6/29/2009	MW-103S 6/24/2010	MW-104 5/5/2008	MW-104 10/9/2008	MW-104 6/24/2009	MW-104 6/23/2010
TOTAL VOC																	
				97.4	113.27	113.9	135.5	98.1	258.2	271.8	336.9	257.5	44.82	42.08	63.88	57.95	1528.4
Volatile Organic Compound																	
1,1,1,2-Tetrachloroethane	70	70		0.52	3 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	2 U
1,1,1-Trichloroethane	200	200	200	9100	58	5 U	5 U	5 U	5 U	3.6 J	3.5 J	5.1 J	10 U	1 U	1 U	1 U	2 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	3 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	2 U
1,1,2-Trichloroethane	5	5	5	0.24	3 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	2 U
1,1,2-Trichlorofluoromethane	2000	2000		1300													
1,1-Dichloroethane	31	160		2.4	7.8	5 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	2 U
1,1-Dichloroethene	7	7	7	340	34	5 U	5 U	5 U	5 U	2.6 J	10 U	10 U	10 U	1 U	1 U	1 U	2 U
1,2,4-Trimethylbenzene	15	62		15													
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	3 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	2 U
1,2-Dichloroethane	5	5	5	0.15	3 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	2 U
1,2-Dichloroethene	70	70	70	330													
1,2-Dichloropropane	5	5	5	0.39	3 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	2 U
1,3,5-Trimethylbenzene	13	53		370													
1,3-Dichlorobenzene	600	600															
1,4-Dioxane	6.4	32		0.67	600 U	1000 U	1000 U	1000 U	1000 U	2000 U	2000 U	2000 U	2000 U	200 U	200 U	200 U	400 U
2-Butanone	4000	4000		7100	30 U	50 U	50 U	50 U	50 U	100 U	100 U	100 U	100 U	10 U	10 U	10 U	20 U
2-Chloroethyl Vinyl Ether																	
2-Hexanone	11	44		47	30 U	50 U	50 U	50 U	50 U	100 U	100 U	100 U	100 U	10 U	10 U	10 U	20 U
4-Methyl-2-Pentanone	2900	8200		2000	30 U	50 U	50 U	50 U	50 U	100 U	100 U	100 U	100 U	10 U	10 U	10 U	20 U
Acetone	33000	92000		22000	30 U	50 U	50 U	50 U	50 U	100 U	100 U	100 U	100 U	10 U	10 U	10 U	20 U
Acrolein	0.042	0.18		0.042													
Acrylonitrile	0.72	3.7		0.045	60 U	100 U	100 U	100 U	100 U	200 U	200 U	200 U	200 U	20 U	20 U	20 U	40 U
Benzene	5	5	5	0.41	3 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	2 U
Bromochloromethane	90	90			3 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	2 U
Bromodichloromethane	80	80		0.12	3 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	2 U
Bromoform	80	80		8.5	3 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	2 U
Bromomethane	10	10		8.7	3 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	2 U
Carbon Disulfide	1500	6200		1000	3 U	5 U	5 U	5 U	3.2 J	10 U	10 U	10 U	9.5 J	1 U	1 U	1 U	0.99 J B
Carbon Tetrachloride	5	5	5	0.44	3 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	2 U
Chlorobenzene	100	100	100	91	3 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	2 U
Chlorodibromomethane	80	80		0.15	3 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	2 U
Chloroethane	230	900		21000	3 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	2 U
Chloroform	80	80		0.19	3 U	0.48 J	5 U	5 U	5 U	10 U	10 U	10 U	10 U	0.42 J	0.65 J	0.91 J	0.89 J
Chloromethane	30	30		190	3 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	2 U
cis-1,2-Dichloroethene	70	70	70	73	15	3.5 J	3.7 J	3.5 J	3.1 J	8.7 J	9.8 J	10	11	0.9 J	0.83 J	1.5	1.4 J
cis-1,3-Dichloropropene	6.6	26		0.43	3 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	2 U
Ethylbenzene	700	700	700	1.5	3 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	2 U
Isopropylbenzene	840	3500		680													
Methyl tert-butyl ether	20	20		12	3 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	2 U
Methylene chloride	5	5		4.8	3 U	0.99 J	2.2 J B	5 U	5 U	2.3 J	9.5 J	2.8 J	10 U	1 U	1 U	0.57 J	0.47 J
Naphthalene	100	100		0.14													
Styrene	100	100	100	1600	3 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	2 U
Tetrachloroethene	5	5	5	0.11	17	8.3	12	12	8.8	31	39	39	27	7.5	1.6	7.9	5.2

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 2.4-3
Groundwater Data Summary - VOC 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-102S 6/21/2010	MW-103D 4/30/2008	MW-103D 9/19/2008	MW-103D 6/23/2009	MW-103D 6/18/2010	MW-103S 4/30/2008	MW-103S 9/19/2008	MW-103S 6/29/2009	MW-103S 6/24/2010	MW-104 5/5/2008	MW-104 10/9/2008	MW-104 6/24/2009	MW-104 6/23/2010
Toluene	1000	1000	1000	2300	3 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	2 U
trans-1,2-Dichloroethene	100	100	100	110	3 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	2 U
trans-1,3-Dichloropropene	6.6	26		0.43	3 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	2 U
Trichloroethene	5	5	5	2	38	100	96	120	83	210	210	280	210	36	39	53	49
Vinyl Chloride	2	2	2	0.016	3 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	2 U
VOC Library Search																	
Xylenes (Total)	10000	10000	10000	200	9 U	15 U	15 U	15 U	15 U	30 U	30 U	30 U	30 U	3 U	3 U	3 U	6 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 2.4-3
Groundwater Data Summary - VOC 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-105 5/5/2008	MW-105 10/2/2008	MW-105 7/9/2009	MW-106 4/29/2008
TOTAL VOC								
				97.4	630	1623	107.54	
Volatile Organic Compound								
1,1,1,2-Tetrachloroethane	70	70		0.52	40 U	40 U	50 U	4 U
1,1,1-Trichloroethane	200	200	200	9100	19 J	40 U	23 J	4 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	40 U	40 U	50 U	4 U
1,1,2-Trichloroethane	5	5	5	0.24	40 U	40 U	50 U	4 U
1,1,2-Trichlorofluoromethane	2000	2000		1300				
1,1-Dichloroethane	31	160		2.4	40 U	40 U	50 U	4 U
1,1-Dichloroethene	7	7	7	340	40 U	40 U	50 U	0.82 J
1,2,4-Trimethylbenzene	15	62		15				
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	40 U	40 U	50 U	4 U
1,2-Dichloroethane	5	5	5	0.15	40 U	40 U	50 U	4 U
1,2-Dichloroethene	70	70	70	330				
1,2-Dichloropropane	5	5	5	0.39	40 U	40 U	50 U	4 U
1,3,5-Trimethylbenzene	13	53		370				
1,3-Dichlorobenzene	600	600						
1,4-Dioxane	6.4	32		0.67	8000 U	8000 U	10000 U	800 U
2-Butanone	4000	4000		7100	400 U	400 U	500 U	40 U
2-Chloroethyl Vinyl Ether								
2-Hexanone	11	44		47	400 U	400 U	500 U	40 U
4-Methyl-2-Pentanone	2900	8200		2000	400 U	400 U	500 U	40 U
Acetone	33000	92000		22000	400 U	400 U	500 U	40 U
Acrolein	0.042	0.18		0.042				
Acrylonitrile	0.72	3.7		0.045	800 U	800 U	1000 U	80 U
Benzene	5	5	5	0.41	40 U	40 U	50 U	4 U
Bromochloromethane	90	90			40 U	40 U	50 U	4 U
Bromodichloromethane	80	80		0.12	40 U	40 U	50 U	4 U
Bromoform	80	80		8.5	40 U	40 U	50 U	4 U
Bromomethane	10	10		8.7	40 U	40 U	50 U	4 U
Carbon Disulfide	1500	6200		1000	40 U	40 U	50 U	4 U
Carbon Tetrachloride	5	5	5	0.44	40 U	40 U	50 U	4 U
Chlorobenzene	100	100	100	91	40 U	40 U	50 U	4 U
Chlorodibromomethane	80	80		0.15	40 U	40 U	50 U	4 U
Chloroethane	230	900		21000	40 U	40 U	50 U	4 U
Chloroform	80	80		0.19	40 U	40 U	50 U	4 U
Chloromethane	30	30		190	40 U	40 U	50 U	4 U
cis-1,2-Dichloroethene	70	70	70	73	120	50	120	17
cis-1,3-Dichloropropene	6.6	26		0.43	40 U	40 U	50 U	4 U
Ethylbenzene	700	700	700	1.5	40 U	40 U	50 U	4 U
Isopropylbenzene	840	3500		680				
Methyl tert-butyl ether	20	20		12	40 U	40 U	50 U	4 U
Methylene chloride	5	5		4.8	9.4 J	40 U	50 U	4 U
Naphthalene	100	100		0.14				
Styrene	100	100	100	1600	40 U	40 U	50 U	4 U
Tetrachloroethene	5	5	5	0.11	1100	430	1200	9

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 2.4-3
Groundwater Data Summary - VOC 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-105 5/5/2008	MW-105 10/2/2008	MW-105 7/9/2009	MW-106 4/29/2008
Toluene	1000	1000	1000	2300	40 U	40 U	50 U	4 U
trans-1,2-Dichloroethene	100	100	100	110	40 U	40 U	50 U	4 U
trans-1,3-Dichloropropene	6.6	26		0.43	40 U	40 U	50 U	4 U
Trichloroethene	5	5	5	2	280	150	280	80
Vinyl Chloride	2	2	2	0.016	40 U	40 U	50 U	0.72 J
VOC Library Search								
Xylenes (Total)	10000	10000	10000	200	120 U	120 U	150 U	12 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 2.4-3
Groundwater Data Summary - VOC 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 9/29/2008	MW-106 6/24/2009	MW-106 6/18/2010	MW-106 Dup 6/18/2010	MW-107 5/6/2008	MW-107 9/10/2008	MW-107 6/24/2009	MW-107 6/18/2010	MW-108D 4/23/2008	MW-108D 9/5/2008	MW-108D 6/17/2009	MW-108S 4/23/2008
TOTAL VOC																
				103.7	141.3	94.3	92.8	44.95	25.62	38.37	46.86	1.5	1.27	1.68	0.18	0.42
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	200	200	200	9100	5 U	1.7 J	5 U	5 U	3.3	1	2.3	5.1	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1,2-Trichlorotrifluoroethane	63000	170000		59000												
1,1-Dichloroethane	31	160		2.4	5 U	5 U	5 U	5 U	0.38 J	1 U	1 U	0.55 J	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	5 U	5 U	5 U	5 U	0.26 J	0.41 J	0.55 J	0.56 J	1 U	1 U	1 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	5	5	5	0.15	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330												
1,2-Dichloropropane	5	5	5	0.39	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene	6.6	26		0.43												
1,4-Dioxane	6.4	32		0.67	1000 U	1000 U	1000 U	1000 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U
2-Butanone	4000	4000		7100	50 U	50 U	50 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloroethyl Vinyl Ether																
2-Hexanone	11	44		47	50 U	50 U	50 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	2900	8200		2000	50 U	50 U	50 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	33000	92000		22000	50 U	50 U	50 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045	100 U	100 U	100 U	100 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Benzene	5	5	5	0.41	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	90	90			5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	80	80		0.12	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	80	80		8.5	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	10	10		8.7	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	1500	6200		1000	5 U	5 U	2.2 J	1.9 J	1 U	1 U	1 U	0.5 J B	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	5	5	0.44	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	91	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	230	900		21000	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	80	80		0.19	5 U	5 U	5 U	5 U	0.78 J	0.31 J	0.42 J	0.55 J	0.37 J	0.33 J	0.39 J	0.18 J
Chloromethane	30	30		190	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	70	70	70	73	16	18	14	14	6.1	3.4	4.1	7.4	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	6.6	26		0.43	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl ether	20	20		12	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene chloride	5	5		4.8	5 U	1.6 J	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	100	100	100	1600	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	5	5	0.11	8.7	10	9.1	9.9	23	9.5	15	22	0.38 J	0.36 J	0.55 J	1 U
Toluene	1000	1000	1000	2300	5 U	5 U	5 U	5 U	1 U	1 U	1 U	0.2 J	1 U	1 U	1 U	1 U
Total VOCs																
trans-1,2-Dichloroethene	100	100	100	110	5 U	5 U	5 U	5 U	0.13 J	1 U	1 U	1 U	1 U	1 U	1 U	1 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 2.4-3
Groundwater Data Summary - VOC 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 9/29/2008	MW-106 6/24/2009	MW-106 6/18/2010	MW-106 Dup 6/18/2010	MW-107 5/6/2008	MW-107 9/10/2008	MW-107 6/24/2009	MW-107 6/18/2010	MW-108D 4/23/2008	MW-108D 9/5/2008	MW-108D 6/17/2009	MW-108S 4/23/2008
trans-1,3-Dichloropropene	6.6	26		0.43	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	5	5	2	79	110	69	67	11	11	16	10	0.75 J	0.58 J	0.74 J	1 U
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes (Total)	10000	10000	10000	200	15 U	15 U	15 U	15 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 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 2.4-3
Groundwater Data Summary - VOC 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-108S 9/5/2008	MW-108S 6/22/2009	MW-108S 7/1/2010	MW-109D 5/20/2008	MW-109D 9/17/2008	MW-109D 6/23/2009	MW-109S 5/20/2008	MW-109S 9/16/2008	MW-109S 6/26/2009	MW-109S 6/21/2010	MW-110 5/14/2008	MW-110 9/22/2008	MW-110 6/24/2009
TOTAL VOC																	
				103.7	4.38	0	271.3	69.9	219	91.3	434.2	381	245	148.8	148.6	164.1	121
Volatile Organic Compound																	
1,1,1,2-Tetrachloroethane	70	70		0.52	1 U	1 U	1 U	5 U	1 U	5 U	2 U	8 U	10 U	5 U	5 U	5 U	5 U
1,1,1-Trichloroethane	200	200	200	9100	1 U	1 U	1 U	5 U	1 U	5 U	2 U	8 U	10 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	1 U	5 U	1 U	5 U	2 U	8 U	10 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	1 U	1 U	5 U	1 U	5 U	2 U	8 U	10 U	5 U	5 U	5 U	5 U
1,1,2-Trichlorofluoromethane	2000	2000		1300													
1,1,2-Trichlorotrifluoroethane	63000	170000		59000													
1,1-Dichloroethane	31	160		2.4	1 U	1 U	1 U	5 U	1 U	5 U	2 U	8 U	10 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	7	7	7	340	1 U	1 U	1 U	5 U	1 U	5 U	2 U	8 U	10 U	5 U	5 U	5 U	5 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	1 U	1 U	1 U	5 U	1 U	5 U	2 U	8 U	10 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	1 U	5 U	1 U	5 U	2 U	8 U	10 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene	70	70	70	330													
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	5 U	1 U	5 U	2 U	8 U	10 U	5 U	5 U	5 U	5 U
1,3-Dichloropropene	6.6	26		0.43													
1,4-Dioxane	6.4	32		0.67	200 U	200 U	200 U	1000 U	200 U	1000 U	400 U	1600 U	2000 U	1000 U	1000 U	1000 U	1000 U
2-Butanone	4000	4000		7100	10 U	1.1 J	10 U	50 U	10 U	50 U	20 U	80 U	100 U	50 U	50 U	50 U	50 U
2-Chloroethyl Vinyl Ether																	
2-Hexanone	11	44		47	10 U	10 U	10 U	50 U	10 U	50 U	20 U	80 U	100 U	50 U	50 U	50 U	50 U
4-Methyl-2-Pentanone	2900	8200		2000	10 U	10 U	10 U	50 U	10 U	50 U	20 U	80 U	100 U	50 U	50 U	50 U	50 U
Acetone	33000	92000		22000	10 U	3.1 J	1 U	50 U	10 U	50 U	20 U	80 U	100 U	50 U	50 U	50 U	50 U
Acrolein	0.042	0.18		0.042													
Acrylonitrile	0.72	3.7		0.045	20 U	20 U	20 U	100 U	20 U	100 U	40 U	160 U	200 U	100 U	100 U	100 U	100 U
Benzene	5	5	5	0.41	1 U	1 U	1 U	130	37	100	46	180	200	87	5 U	5 U	5 U
Bromochloromethane	90	90			1 U	1 U	1 U	5 U	1 U	5 U	2 U	8 U	10 U	5 U	5 U	5 U	5 U
Bromodichloromethane	80	80		0.12	1 U	1 U	1 U	5 U	1 U	5 U	2 U	8 U	10 U	5 U	5 U	5 U	5 U
Bromoform	80	80		8.5	1 U	1 U	1 U	5 U	1 U	5 U	2 U	8 U	10 U	5 U	5 U	5 U	5 U
Bromomethane	10	10		8.7	1 U	1 U	1 U	5 U	1 U	5 U	2 U	8 U	10 U	5 U	5 U	5 U	5 U
Carbon Disulfide	1500	6200		1000	1 U	1 U	1 U	5 U	1 U	5 U	2 U	8 U	10 U	16	5 U	5 U	5 U
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	1 U	5 U	1 U	5 U	2 U	8 U	10 U	5 U	5 U	5 U	5 U
Chlorobenzene	100	100	100	91	1 U	1 U	1 U	5 U	1 U	5 U	2 U	8 U	10 U	5 U	5 U	5 U	5 U
Chlorodibromomethane	80	80		0.15	1 U	1 U	1 U	5 U	1 U	5 U	2 U	8 U	10 U	5 U	5 U	5 U	5 U
Chloroethane	230	900		21000	1 U	1 U	1 U	5 U	1 U	5 U	2 U	8 U	10 U	5 U	5 U	5 U	5 U
Chloroform	80	80		0.19	0.42 J	1 U	1 U	5 U	1 U	5 U	2 U	8 U	10 U	5 U	0.89 J	5 U	1.1 J
Chloromethane	30	30		190	1 U	1 U	1 U	1.7 J	1 U	5 U	2 U	8 U	10 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	73	1 U	1 U	1 U	5 U	1 U	5 U	2 U	8 U	10 U	5 U	0.61 J	5 U	5 U
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	5 U	1 U	5 U	2 U	8 U	10 U	5 U	5 U	5 U	5 U
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	17	3.9	10	3.1	46	25	17	5 U	5 U	5 U
Methyl tert-butyl ether	20	20		12	1 U	1 U	1 U	35	16	27	22	29	26	15	5 U	5 U	5 U
Methylene chloride	5	5		4.8	1 U	1 U	1 U	3.6 J	1 U	5 U	1.2 J	9.2	10 U	5 U	1.3 J	2.6 J B	1 J
Styrene	100	100	100	1600	1 U	1 U	1 U	5 U	1 U	5 U	2 U	8 U	10 U	5 U	5 U	5 U	5 U
Tetrachloroethene	5	5	5	0.11	1 U	1 U	1 U	5 U	1 U	5 U	2 U	8 U	10 U	5 U	62	69	63
Toluene	1000	1000	1000	2300	1 U	0.18 J	1 U	5 U	1 U	5 U	2 U	8 U	10 U	5 U	5 U	5 U	5 U
Total VOCs																	
trans-1,2-Dichloroethene	100	100	100	110	1 U	1 U	1 U	5 U	1 U	5 U	2 U	8 U	10 U	5 U	5 U	5 U	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 2.4-3
Groundwater Data Summary - VOC 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-108S 9/5/2008	MW-108S 6/22/2009	MW-108S 7/1/2010	MW-109D 5/20/2008	MW-109D 9/17/2008	MW-109D 6/23/2009	MW-109S 5/20/2008	MW-109S 9/16/2008	MW-109S 6/26/2009	MW-109S 6/21/2010	MW-110 5/14/2008	MW-110 9/22/2008	MW-110 6/24/2009
trans-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	5 U	1 U	5 U	2 U	8 U	10 U	5 U	5 U	5 U	5 U
Trichloroethene	5	5	5	2	1 U	1 U	1 U	5 U	1 U	5 U	2 U	8 U	10 U	5 U	84	77	99
Vinyl Acetate	420	1800		410													
Vinyl Chloride	2	2	2	0.016	1 U	1 U	1 U	5 U	1 U	5 U	2 U	8 U	10 U	5 U	5 U	5 U	5 U
Xylenes (Total)	10000	10000	10000	200	3 U	3 U	1 U	84	13	82	19	170	130	110	15 U	15 U	15 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 2.4-3
Groundwater Data Summary - VOC 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-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 6/19/2009	MW-112 6/23/2010	MW-113 10/25/2007	MW-113 5/15/2008	MW-113 9/3/2008
TOTAL VOC																
				103.7	41.6	29.1	7.27	37.62	17.63	14.01	9.94	9.82	1705.71	3080	2235	1850
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	100 U	100 U
1,1,1-Trichloroethane	200	200	200	9100	5 U	1 U	1 U	1 U	1 U	0.35 J	1 U	1 U	1 U	3.7	51 J	29 J
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	100 U	100 U
1,1,2-Trichloroethane	5	5	5	0.24	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.98 J	100 U	100 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1,2-Trichlorotrifluoroethane	63000	170000		59000												
1,1-Dichloroethane	31	160		2.4	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5.1	100 U	100 U
1,1-Dichloroethene	7	7	7	340	5 U	0.2 J	1 U	1 U	0.36 J	0.41 J	0.51 J	1 U	1 U	23 J	66 J	43 J
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	100 U	100 U
1,2-Dichloroethane	5	5	5	0.15	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.45 J	100 U	100 U
1,2-Dichloroethene	70	70	70	330												
1,2-Dichloropropane	5	5	5	0.39	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	100 U	100 U
1,3-Dichloropropene	6.6	26		0.43												
1,4-Dioxane	6.4	32		0.67	1000 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	20000 U	20000 U
2-Butanone	4000	4000		7100	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1000 U	1000 U
2-Chloroethyl Vinyl Ether																
2-Hexanone	11	44		47	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1000 U	1000 U
4-Methyl-2-Pentanone	2900	8200		2000	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1000 U	1000 U
Acetone	33000	92000		22000	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	7.7 J	1000 U	1000 U
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045	100 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	2000 U	2000 U
Benzene	5	5	5	0.41	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	100 U	100 U
Bromochloromethane	90	90			5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	100 U	100 U
Bromodichloromethane	80	80		0.12	5 U	1 U	1 U	1 U	1 U	1.1	1 U	0.59 J	0.41 J	1.0 U	100 U	100 U
Bromoform	80	80		8.5	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	100 U	100 U
Bromomethane	10	10		8.7	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	100 U	100 U
Carbon Disulfide	1500	6200		1000	5 B	1 U	1 U	1 U	0.96 J	1 U	1 U	1 U	0.28 J B	1.0 U	100 U	100 U
Carbon Tetrachloride	5	5	5	0.44	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	100 U	100 U
Chlorobenzene	100	100	100	91	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	100 U	100 U
Chlorodibromomethane	80	80		0.15	5 U	1 U	1 U	1 U	1 U	0.23 J	1 U	1 U	1 U	1.0 U	100 U	100 U
Chloroethane	230	900		21000	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	100 U	100 U
Chloroform	80	80		0.19	5 U	1 U	1 U	1 U	1 U	4.9	2.9	2.9	2.4	0.62 J	100 U	100 U
Chloromethane	30	30		190	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.43 J	1.0 U	100 U	100 U
cis-1,2-Dichloroethene	70	70	70	73	5 U	6.2	4.3	1.1	4.4	0.43 J	0.42 J	0.25 J	1 U	540	1000	730
cis-1,3-Dichloropropene	6.6	26		0.43	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	100 U	100 U
Ethylbenzene	700	700	700	1.5	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	100 U	100 U
Methyl tert-butyl ether	20	20		12	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.44 J	100 U	100 U
Methylene chloride	5	5		4.8	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	31 J	100 U
Styrene	100	100	100	1600	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.8	100 U	100 U
Tetrachloroethene	5	5	5	0.11	50	2.2	1.8	0.66 J	1.9	0.21 J	0.18 J	1 U	1 U	19	32 J	33 J
Toluene	1000	1000	1000	2300	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.26 J	100 U	100 U
Total VOCs																
trans-1,2-Dichloroethene	100	100	100	110	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.3	100 U	100 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 2.4-3
Groundwater Data Summary - VOC 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-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 6/19/2009	MW-112 6/23/2010	MW-113 10/25/2007	MW-113 5/15/2008	MW-113 9/3/2008
trans-1,3-Dichloropropene	6.6	26		0.43	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	100 U	100 U
Trichloroethene	5	5	5	2	66	33	23	4.9	30	10	10	6.2	6.3	1100	1900	1400
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.36 J	100 U	100 U
Xylenes (Total)	10000	10000	10000	200	15 U	3 U	3 U	0.61 J	3 U	3 U	3 U	3 U	3 U	3.0 U	300 U	300 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 2.4-3
Groundwater Data Summary - VOC 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 7/6/2009	MW-113 7/6/2010	MW-114 5/23/2008	MW-114 10/3/2008	MW-114 7/15/2009	MW-114 7/2/2010	MW-115 4/30/2008	MW-115 9/3/2008	MW-115 6/30/2009	MW-115 7/1/2010	MW-116 5/21/2008	MW-116 9/3/2008
TOTAL VOC																
				103.7	2761	8293	4710	7670	7650	427.6	378.8	554.5	590.2	2317	1874	540.9
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52	100 U	100 U	200 U	200 U	200 U	200 U	15 U	15 U	15 U	10 U	50 U	50 U
1,1,1-Trichloroethane	200	200	200	9100	100 U	100 U	200 U	200 U	200 U	200 U	15 U	15 U	15 U	10 U	50 U	50 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	100 U	100 U	200 U	200 U	200 U	200 U	15 U	15 U	15 U	10 U	50 U	50 U
1,1,2-Trichloroethane	5	5	5	0.24	100 U	100 U	200 U	200 U	200 U	200 U	15 U	15 U	15 U	10 U	50 U	50 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1,2-Trichlorotrifluoroethane	63000	170000		59000												
1,1-Dichloroethane	31	160		2.4	100 U	100 U	200 U	200 U	200 U	200 U	76	76	130	97	14 J	17 J
1,1-Dichloroethene	7	7	7	340	34 J	38 J	53 J	200 U	200 U	200 U	10 J	12 J	17	10	46 J	40 J
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	100 U	100 U	200 U	200 U	200 U	200 U	15 U	15 U	15 U	10 U	50 U	50 U
1,2-Dichloroethane	5	5	5	0.15	100 U	100 U	200 U	200 U	200 U	200 U	15 U	15 U	15 U	10 U	50 U	50 U
1,2-Dichloroethene	70	70	70	330												
1,2-Dichloropropane	5	5	5	0.39	100 U	100 U	200 U	200 U	200 U	200 U	15 U	15 U	15 U	10 U	50 U	50 U
1,3-Dichloropropene	6.6	26		0.43												
1,4-Dioxane	6.4	32		0.67	20000 U	20000 U	40000 U	40000 U	40000 U	40000 U	3000 U	3000 U	3000 U	2000 U	10000 U	10000 U
2-Butanone	4000	4000		7100	1000 U	1000 U	2000 U	2000 U	2000 U	2000 U	150 U	150 U	150 U	100 U	500 U	500 U
2-Chloroethyl Vinyl Ether																
2-Hexanone	11	44		47	1000 U	1000 U	2000 U	2000 U	2000 U	2000 U	150 U	150 U	150 U	100 U	500 U	500 U
4-Methyl-2-Pentanone	2900	8200		2000	1000 U	1000 U	2000 U	2000 U	2000 U	2000 U	150 U	150 U	150 U	100 U	500 U	500 U
Acetone	33000	92000		22000	1000 U	1000 U	2000 U	2000 U	2000 U	2000 U	150 U	150 U	150 U	100 U	500 U	500 U
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045	2000 U	2000 U	4000 U	4000 U	4000 U	4000 U	300 U	300 U	300 U	200 U	1000 U	1000 U
Benzene	5	5	5	0.41	100 UJ	100 U	200 U	200 U	200 U	200 U	15 U	15 U	15 U	1.5 J	50 U	50 U
Bromochloromethane	90	90			100 U	100 U	200 U	200 U	200 U	200 U	15 U	15 U	15 U	10 U	50 U	50 U
Bromodichloromethane	80	80		0.12	100 U	100 U	200 U	200 U	200 U	200 U	15 U	15 U	15 U	10 U	50 U	50 U
Bromoform	80	80		8.5	100 U	100 U	200 U	200 U	200 U	200 U	15 U	15 U	15 U	10 U	50 U	50 U
Bromomethane	10	10		8.7	100 U	100 U	200 U	200 U	200 U	200 U	15 U	15 U	15 U	10 U	50 U	50 U
Carbon Disulfide	1500	6200		1000	100 U	110 B	200 U	200 U	200 U	1400	15 U	15 U	15 U	180 B	50 U	50 U
Carbon Tetrachloride	5	5	5	0.44	100 U	100 U	200 U	200 U	200 U	200 U	15 U	15 U	15 U	10 U	50 U	50 U
Chlorobenzene	100	100	100	91	100 UJ	100 U	200 U	200 U	200 U	200 U	15 U	15 U	15 U	10 U	50 U	50 U
Chlorodibromomethane	80	80		0.15	100 U	100 U	200 U	200 U	200 U	200 U	15 U	15 U	15 U	10 U	50 U	50 U
Chloroethane	230	900		21000	100 U	100 U	200 U	200 U	200 U	200 U	15 U	15 U	15 U	10 U	50 U	50 U
Chloroform	80	80		0.19	100 U	100 U	200 U	200 U	200 U	200 U	15 U	15 U	15 U	10 U	50 U	50 U
Chloromethane	30	30		190	100 U	100 U	200 U	200 U	200 U	200 U	15 U	15 U	15 U	10 U	50 U	50 U
cis-1,2-Dichloroethene	70	70	70	73	660	870	2900	1700	2400	2000	270	220	290	240	1200	1100
cis-1,3-Dichloropropene	6.6	26		0.43	100 U	100 U	200 U	200 U	200 U	200 U	15 U	15 U	15 U	10 U	50 U	50 U
Ethylbenzene	700	700	700	1.5	100 U	100 U	200 U	200 U	200 U	200 U	15 U	15 U	15 U	10 U	50 U	50 U
Methyl tert-butyl ether	20	20		12	100 U	100 U	200 U	200 U	200 U	200 U	15 U	15 U	15 U	10 U	50 U	50 U
Methylene chloride	5	5		4.8	36 J B	100 U	90 J	200 U	100 J	200 U	3.3 J	15 U	15 U	10 U	140 B	50 U
Styrene	100	100	100	1600	100 U	100 U	200 U	200 U	200 U	200 U	15 U	15 U	15 U	10 U	50 U	50 U
Tetrachloroethene	5	5	5	0.11	20 J	43 J	950	510	970	550	2.3 J	2.7 J	4.8 J	4.1 J	310	210
Toluene	1000	1000	1000	2300	100 UJ	100 U	200 U	200 U	200 U	200 U	15 U	15 U	15 U	10 U	50 U	50 U
Total VOCs																
trans-1,2-Dichloroethene	100	100	100	110	100 U	100 U	200 U	200 U	200 U	200 U	2 J	2.2 J	3.5 J	2.8 J	50 U	50 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 2.4-3
Groundwater Data Summary - VOC 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 7/6/2009	MW-113 7/6/2010	MW-114 5/23/2008	MW-114 10/3/2008	MW-114 7/15/2009	MW-114 7/2/2010	MW-115 4/30/2008	MW-115 9/3/2008	MW-115 6/30/2009	MW-115 7/1/2010	MW-116 5/21/2008	MW-116 9/3/2008
trans-1,3-Dichloropropene	6.6	26		0.43	100 U	100 U	200 U	200 U	200 U	200 U	15 U	15 U	15 U	10 U	50 U	50 U
Trichloroethene	5	5	5	2	1100	1700	4300	2500	4200	3700	11 J	7.9 J	9.2 J	4.8 J	570	480
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	100 U	100 U	200 U	200 U	200 U	200 U	53	58	100	50	37 J	27 J
Xylenes (Total)	10000	10000	10000	200	300 U	300 U	600 U	600 U	600 U	600 U	45 U	45 U	45 U	30 U	150 U	150 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 2.4-3
Groundwater Data Summary - VOC 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-116 7/8/2009	MW-116 7/1/2010	MW-117 2/26/2009	MW-117 6/23/2009	MW-117 6/23/2010	MW-B100 6/15/2005	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
TOTAL VOC																
				103.7	768	115.71	39.44	59.02	51.4	606	535	5428	104	395	1	28
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52	25 U	25 U	1 U	1 U	1 U							
1,1,1-Trichloroethane	200	200	200	9100	25 U	25 U	1 U	1 U	1 U	5 U	U	U	8	U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	25 U	25 U	1 U	1 U	1 U	1 U	U	U	U	U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	25 U	25 U	1 U	1 U	1 U	3 U	U	U	5	U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300											1 U	1 U
1,1,2-Trichlorotrifluoroethane	63000	170000		59000							U	U	U	U		
1,1-Dichloroethane	31	160		2.4	4.9 J	11 J	1 U	0.39 J	0.66 J	5 U	U	U	U	U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	25 U	16 J	0.72 J	1 U	0.34 J	2 U	U	U	5	U	1 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	25 U	25 U	1 U	1 U	1 U							
1,2-Dichloroethane	5	5	5	0.15	25 U	25 U	1 U	1 U	1 U	2 U	U	U	U	U	1 U	1 U
1,2-Dichloroethene	70	70	70	330												
1,2-Dichloropropane	5	5	5	0.39	25 U	25 U	1 U	1 U	1 U	1 U	U	U	U	U	1 U	1 U
1,3-Dichloropropene	6.6	26		0.43							U	U	U	U		
1,4-Dioxane	6.4	32		0.67	5000 U	5000 U	200 U	200 U	200 U	1000 U						
2-Butanone	4000	4000		7100	250 U	250 U	10 U	10 U	10 U	5 U						
2-Chloroethyl Vinyl Ether										5 U	U	U	U	U	10 U	10 U
2-Hexanone	11	44		47	250 U	250 U	10 U	10 U	10 U							
4-Methyl-2-Pentanone	2900	8200		2000	250 U	250 U	10 U	10 U	10 U							
Acetone	33000	92000		22000	250 U	250 U	10 U	10 U	10 U							
Acrolein	0.042	0.18		0.042						100 U						
Acrylonitrile	0.72	3.7		0.045	500 U	500 U	20 U	20 U	20 U	50 U						
Benzene	5	5	5	0.41	25 U	25 U	1 U	1 U	1 U	1 U	U	U	U	U	10 U	2 U
Bromochloromethane	90	90			25 U	25 U	1 U	1 U	1 U							
Bromodichloromethane	80	80		0.12	25 U	25 U	1 U	1 U	1 U	1 U	U	U	U	U		
Bromoform	80	80		8.5	25 U	25 U	1 U	1 U	1 U	4 U	U	U	U	U	2 U	2 U
Bromomethane	10	10		8.7	25 U	25 U	1 U	1 U	1 U	5 U	U	U	U	U	5 U	5 U
Carbon Disulfide	1500	6200		1000	25 U	26 B	1 U	1 U	0.42 J							
Carbon Tetrachloride	5	5	5	0.44	25 U	25 U	1 U	1 U	1 U	2 U	U	U	U	U	1 U	1 U
Chlorobenzene	100	100	100	91	25 U	25 U	1 U	1 U	1 U	5 U	U	U	U	U	1 U	1 U
Chlorodibromomethane	80	80		0.15	25 U	25 U	1 U	1 U	1 U	5 U	U	U	U	U	2 U	2 U
Chloroethane	230	900		21000	25 U	25 U	1 U	1 U	1 U	5 U	U	U	U	U	1 U	1 U
Chloroform	80	80		0.19	25 U	25 U	1 U	0.65 J	0.83 J	1 J	U	U	U	U	1 U	1 U
Chloromethane	30	30		190	25 U	25 U	1 U	1 U	1 U	5 U	U	U	U	U	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	73	370	470	39	12	19	0.8 J	3	53	2660	19	6	1 U
cis-1,3-Dichloropropene	6.6	26		0.43	25 U	25 U	1 U	1 U	1 U	5 U					1 U	1 U
Ethylbenzene	700	700	700	1.5	25 U	25 U	1 U	1 U	1 U	4 U	31	U	U	U	1 U	1 U
Methyl tert-butyl ether	20	20		12	25 U	25 U	1 U	1 U	1 U							
Methylene chloride	5	5		4.8	8 J	25 U	1 U	1 U	1 U	3 U	U	U	U	U	2 U	2 U
Styrene	100	100	100	1600	25 U	25 U	1 U	1 U	1 U							
Tetrachloroethene	5	5	5	0.11	39	63	36	4.4	5.6	0.6 J	U	415	22	U	1 U	1 U
Toluene	1000	1000	1000	2300	25 U	25 U	1 U	1 U	1 U	5 U	14	U	U	U	2 U	2 U
Total VOCs																
trans-1,2-Dichloroethene	100	100	100	110	25 U	25 U	0.43 J	1 U	0.17 J	5 U	U	U	8	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 2.4-3
Groundwater Data Summary - VOC 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-116 7/8/2009	MW-116 7/1/2010	MW-117 2/26/2009	MW-117 6/23/2009	MW-117 6/23/2010	MW-B100 6/15/2005	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
trans-1,3-Dichloropropene	6.6	26		0.43	25 U	25 U	1 U	1 U	1 U	5 U						
Trichloroethene	5	5	5	2	100	160	39	22	32	49	U	67	2640	85	389	1
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	19 J	22 J	0.56 J	1 U	1 U	5 U	U	U	80	U	1 U	1 U
Xylenes (Total)	10000	10000	10000	200	75 U	75 U	3 U	3 U	3 U		558	U	U	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 2.4-3
Groundwater Data Summary - VOC 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 11/15/1990	CW-1 12/5/1990	CW-1 1/14/1991	CW-1 2/7/1991	CW-1 3/6/1991	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
TOTAL VOC																	
				103.7	40	54	75	75	90	88	193	153	65	160	28	70	133
Volatile Organic Compound																	
1,1,1,2-Tetrachloroethane	70	70		0.52													
1,1,1-Trichloroethane	200	200	200	9100	1 U	1 U	1 U	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
1,1,2-Trichloroethane	5	5	5	0.24	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U		
1,1,2-Trichlorofluoromethane	2000	2000		1300	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U			
1,1,2-Trichlorotrifluoroethane	63000	170000		59000													
1,1-Dichloroethane	31	160		2.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	1 U	1 U	1 U	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065													
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330													
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
1,3-Dichloropropene	6.6	26		0.43													
1,4-Dioxane	6.4	32		0.67													
2-Butanone	4000	4000		7100											10 U		
2-Chloroethyl Vinyl Ether					10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U		
2-Hexanone	11	44		47													
4-Methyl-2-Pentanone	2900	8200		2000											10 U		
Acetone	33000	92000		22000											10 U		
Acrolein	0.042	0.18		0.042													
Acrylonitrile	0.72	3.7		0.045													
Benzene	5	5	5	0.41	2 U	2 U	2 U	5 U	2 U	5 U	2 U	2 U	5 U	2 U	1 U		
Bromochloromethane	90	90															
Bromodichloromethane	80	80		0.12											1 U		
Bromoform	80	80		8.5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U		
Bromomethane	10	10		8.7	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 U		
Carbon Disulfide	1500	6200		1000											1 U		
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
Chlorobenzene	100	100	100	91	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	10 U	2 U	1 U		
Chloroethane	230	900		21000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U		
Chloroform	80	80		0.19	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3	1 U	1 U	1 U	1 U	1 U
Chloromethane	30	30		190	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 U		
cis-1,2-Dichloroethene	70	70	70	73	1 U	1 U	1 U	1	1	2	8	1 U	3	4	1 U	1 U	1 U
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U		
Methyl tert-butyl ether	20	20		12													
Methylene chloride	5	5		4.8	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U		
Styrene	100	100	100	1600											1 U		
Tetrachloroethene	5	5	5	0.11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	1000	1000	1000	2300	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U		
Total VOCs																	
trans-1,2-Dichloroethene	100	100	100	110													

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 2.4-3
Groundwater Data Summary - VOC 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 11/15/1990	CW-1 12/5/1990	CW-1 1/14/1991	CW-1 2/7/1991	CW-1 3/6/1991	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
trans-1,3-Dichloropropene	6.6	26		0.43													
Trichloroethene	5	5	5	2	28	40	54	74	74	84	80	190	150	61	160	28	70
Vinyl Acetate	420	1800		410											10 U		
Vinyl Chloride	2	2	2	0.016	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U
Xylenes (Total)	10000	10000	10000	200											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 2.4-3
Groundwater Data Summary - VOC 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 1/26/1994	CW-1 4/5/1994	CW-1 7/11/1994	CW-1 12/15/1994	CW-1 6/2/1995	CW-1 12/7/1995	CW-1 6/6/1996	CW-1 12/2/1996	CW-1 6/4/1997	CW-1 12/1/1998	CW-1 6/8/1999	CW-1 12/22/1999
TOTAL VOC																
				103.7	152	58	124	152	143	132	110	110	191.4	211.6	236.4	253
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52												
1,1,1-Trichloroethane	200	200	200	9100	1 U	1 U	1 U					10 U	5 U	0 U	0 U	0 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U		1 U					10 U	5 U			
1,1,2-Trichloroethane	5	5	5	0.24	1 U		1 U					10 U	5 U	0 U	0 U	0 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1,2-Trichlorotrifluoroethane	63000	170000		59000												
1,1-Dichloroethane	31	160		2.4	1 U	1 U	1 U					10 U	5 U	0 U	0 U	0 U
1,1-Dichloroethene	7	7	7	340	1 U	1 U	1 U					10 U	5 U	0 U	0 U	0 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065												
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	1 U					10 U	5 U	0 U	0 U	0 U
1,2-Dichloroethene	70	70	70	330				4	2	3	2					
1,2-Dichloropropane	5	5	5	0.39	1 U		1 U					10 U	5 U			
1,3-Dichloropropene	6.6	26		0.43								10 U	5 U			
1,4-Dioxane	6.4	32		0.67												
2-Butanone	4000	4000		7100	10 U		10 U									
2-Chloroethyl Vinyl Ether					10 U		10 U					100 U	50 U			
2-Hexanone	11	44		47	10 U		10 U									
4-Methyl-2-Pentanone	2900	8200		2000	10 U		10 U									
Acetone	33000	92000		22000	10 U		10 U									
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045												
Benzene	5	5	5	0.41	1 U		1 U					20 U	10 U	0 U	0 U	0 U
Bromochloromethane	90	90														
Bromodichloromethane	80	80		0.12	1 U		1 U					20 U	10 U	0 U	0 U	0 U
Bromoform	80	80		8.5	1 U		1 U					20 U	10 U			
Bromomethane	10	10		8.7	2 U		2 U					50 U	25 U			
Carbon Disulfide	1500	6200		1000	1 U		1 U									
Carbon Tetrachloride	5	5	5	0.44	1 U		1 U					10 U	5 U	0 U	0 U	0 U
Chlorobenzene	100	100	100	91	1 U	1 U	1 U					10 U	5 U	0 U	0 U	0 U
Chlorodibromomethane	80	80		0.15	1 U		1 U					20 U	10 U			
Chloroethane	230	900		21000	2 U		2 U					10 U	5 U	0 U	0 U	0 U
Chloroform	80	80		0.19	1 U	1 U	1 U					10 U	5 U	0 U	0 U	0 U
Chloromethane	30	30		190	2 U		2 U					50 U	25 U			
cis-1,2-Dichloroethene	70	70	70	73	3	2	1							4.7	5.8	8.2
cis-1,3-Dichloropropene	6.6	26		0.43	1 U		1 U									
Ethylbenzene	700	700	700	1.5	1 U		1 U					10 U	5 U	0 U	0 U	0 U
Methyl tert-butyl ether	20	20		12												
Methylene chloride	5	5		4.8	2 U		2 U					20 U	10 U	0 U	0 U	0 U
Styrene	100	100	100	1600	1 U		1 U									
Tetrachloroethene	5	5	5	0.11	1 U	1 U	1 U					10 U	5 U	0 U	0 U	0 U
Toluene	1000	1000	1000	2300	1 U		1 U					20 U	10 U	0 U	0 U	0 U
Total VOCs														95.7	105.8	118.2
trans-1,2-Dichloroethene	100	100	100	110			1 U					10 U	5 U	0 U	0 U	0 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 2.4-3
Groundwater Data Summary - VOC 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 1/26/1994	CW-1 4/5/1994	CW-1 7/11/1994	CW-1 12/15/1994	CW-1 6/2/1995	CW-1 12/7/1995	CW-1 6/6/1996	CW-1 12/2/1996	CW-1 6/4/1997	CW-1 12/1/1998	CW-1 6/8/1999	CW-1 12/22/1999
trans-1,3-Dichloropropene	6.6	26		0.43			1 U									
Trichloroethene	5	5	5	2	130	150	57	120	150	140	130	110	110	91	100	110
Vinyl Acetate	420	1800		410	10 U		10 U									
Vinyl Chloride	2	2	2	0.016	2 U	1 U	2 U					10 U	5 U	0 U	0 U	0 U
Xylenes (Total)	10000	10000	10000	200	5 U		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 2.4-3
Groundwater Data Summary - VOC 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 6/2/2000	CW-1 12/1/2000	CW-1 6/8/2001	CW-1 12/7/2001	CW-1 6/14/2002	CW-1 12/6/2002	CW-1 6/9/2003	CW-1 12/5/2003	CW-1 6/4/2004	CW-1 12/10/2004	CW-1 6/13/2005	CW-1 12/9/2005	CW-1 6/20/2006
TOTAL VOC																	
				103.7	204.4	243.8	143	237.2	225.4	224	266	106	89	57.1	94.7	0	0
Volatile Organic Compound																	
1,1,1,2-Tetrachloroethane	70	70		0.52													
1,1,1-Trichloroethane	200	200	200	9100	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U	2 U	5 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067									1 U	1 U	1 U	2 U	5 U
1,1,2-Trichloroethane	5	5	5	0.24	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	3 U	3 U	3 U	2 U	5 U
1,1,2-Trichlorofluoromethane	2000	2000		1300													
1,1,2-Trichlorotrifluoroethane	63000	170000		59000													
1,1-Dichloroethane	31	160		2.4	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U	2 U	5 U
1,1-Dichloroethene	7	7	7	340	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	2 U	2 U	2 U	2 U	5 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065													
1,2-Dichloroethane	5	5	5	0.15	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	2 U	2 U	2 U	2 U	5 U
1,2-Dichloroethene	70	70	70	330													
1,2-Dichloropropane	5	5	5	0.39									1 U	1 U	1 U	2 U	5 U
1,3-Dichloropropene	6.6	26		0.43													
1,4-Dioxane	6.4	32		0.67									1000 U	1000 U	1000 U	400 U	1000 U
2-Butanone	4000	4000		7100									5 U	5 U	5 U	10 U	5 U
2-Chloroethyl Vinyl Ether													5 U	5 U	5 U	4 U	10 U
2-Hexanone	11	44		47													
4-Methyl-2-Pentanone	2900	8200		2000													
Acetone	33000	92000		22000					0 U								
Acrolein	0.042	0.18		0.042									100 U	100 U	100 U	40 U	100 U
Acrylonitrile	0.72	3.7		0.045									50 U	50 U	50 U	40 U	100 U
Benzene	5	5	5	0.41	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	1 U	1 U	1 U	2 U	5 U
Bromochloromethane	90	90															
Bromodichloromethane	80	80		0.12	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	1 U	1 U	1 U	2 U	5 U
Bromoform	80	80		8.5									4 U	4 U	4 U	2 U	5 U
Bromomethane	10	10		8.7									5 U	5 U	5 U	2 U	5 U
Carbon Disulfide	1500	6200		1000					0 U								
Carbon Tetrachloride	5	5	5	0.44	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	2 U	2 U	2 U	2 U	5 U
Chlorobenzene	100	100	100	91	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U	2 U	5 U
Chlorodibromomethane	80	80		0.15									5 U	5 U	5 U	2 U	5 U
Chloroethane	230	900		21000	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U	2 U	5 U
Chloroform	80	80		0.19	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U	2 U	5 U
Chloromethane	30	30		190									5 U	5 U	5 U	9.7	5 U
cis-1,2-Dichloroethene	70	70	70	73	7.5	7.2	8.9	5.5	8.6	9.7			16	11	8.1	15	5 U
cis-1,3-Dichloropropene	6.6	26		0.43									5 U	5 U	5 U	2 U	5 U
Ethylbenzene	700	700	700	1.5	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	4 U	4 U	4 U	2 U	5 U
Methyl tert-butyl ether	20	20		12													
Methylene chloride	5	5		4.8	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	3 U	3 U	3 U	2 U	5 U
Styrene	100	100	100	1600													
Tetrachloroethene	5	5	5	0.11	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	1 U	1 U	1 U	2 U	5 U
Toluene	1000	1000	1000	2300	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U	2 U	5 U
Total VOCs					126.5	102.2	121.9	71.5	118.6	112.7	112	133					
trans-1,2-Dichloroethene	100	100	100	110	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U	2 U	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 2.4-3
Groundwater Data Summary - VOC 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 6/2/2000	CW-1 12/1/2000	CW-1 6/8/2001	CW-1 12/7/2001	CW-1 6/14/2002	CW-1 12/6/2002	CW-1 6/9/2003	CW-1 12/5/2003	CW-1 6/4/2004	CW-1 12/10/2004	CW-1 6/13/2005	CW-1 12/9/2005	CW-1 6/20/2006
trans-1,3-Dichloropropene	6.6	26		0.43									5 U	5 U	5 U	2 U	5 U
Trichloroethene	5	5	5	2	119	95	113	66	110	103	112	133	90	78	49	70	5 U
Vinyl Acetate	420	1800		410													
Vinyl Chloride	2	2	2	0.016	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U	2 U	5 U
Xylenes (Total)	10000	10000	10000	200					0 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 2.4-3
Groundwater Data Summary - VOC 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 6/19/2007	CW-1 12/12/2007	CW-1 12/12/2007	CW-1 5/6/2008	CW-1 10/9/2008	CW-1 6/15/2009	CW-1 12/16/2009	CW-1 7/7/2010	CW-1 12/21/2010	CW-1A 6/9/1988	CW-1A 11/13/1990	CW-1A 11/15/1990
TOTAL VOC																
				103.7	0	118	75	61.03	78	50.4	49.92	52.5	3264	1120	2037	3541
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52				2 U	2 U	2 U	2 U	1 U	2 U			
1,1,1-Trichloroethane	200	200	200	9100	5 U		5 U	2 U	2 U	2 U	2 U	1 U	2 U	1 U	1 U	1
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	5 U		5 U	2 U	2 U	2 U	2 U	1 U	2 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	5 U		5 U	2 U	2 U	2 U	2 U	1 U	2 U	20 U	50 U	50 U
1,1,2-Trichlorofluoromethane	2000	2000		1300										1 U	1 U	1 U
1,1,2-Trichlorotrifluoroethane	63000	170000		59000												
1,1-Dichloroethane	31	160		2.4	5 U		5 U	2 U	2 U	2 U	2 U	1 U	2 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	5 U		5 U	2 U	2 U	2 U	2 U	1 U	2 U	1 U	1 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065				2 U	2 U	2 U	2 U	1 U	2 U			
1,2-Dichloroethane	5	5	5	0.15	5 U		5 U	2 U	2 U	2 U	2 U	1 U	2 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330												
1,2-Dichloropropane	5	5	5	0.39	5 U		5 U	2 U	2 U	2 U	2 U	1 U	2 U	1 U	1 U	1 U
1,3-Dichloropropene	6.6	26		0.43												
1,4-Dioxane	6.4	32		0.67	1000 U		1000 U	400 U	400 U	400 U	400 U	200 U	400 U			
2-Butanone	4000	4000		7100	5 U		5 U	20 U	20 U	20 U	20 U	10 U	20 U			
2-Chloroethyl Vinyl Ether					10 U		10 U							10 U	10 U	10 U
2-Hexanone	11	44		47				20 U	20 U	20 U	20 U	10 U	20 U			
4-Methyl-2-Pentanone	2900	8200		2000				20 U	20 U	20 U	20 U	10 U	20 U			
Acetone	33000	92000		22000				20 U	20 U	20 U	20 U	10 U	20 U			
Acrolein	0.042	0.18		0.042	100 U		100 U									
Acrylonitrile	0.72	3.7		0.045	100 U		100 U	40 U	40 U	40 U	40 U	20 U	40 U			
Benzene	5	5	5	0.41	5 U		5 U	2 U	2 U	2 U	2 U	1 U	2 U	200 U	50 U	100 U
Bromochloromethane	90	90						2 U	2 U	2 U	2 U	1 U	2 U			
Bromodichloromethane	80	80		0.12	5 U		5 U	2 U	2 U	2 U	2 U	1 U	2 U			
Bromoform	80	80		8.5	5 U		5 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	2 U	2 U
Bromomethane	10	10		8.7	5 U		5 U	2 U	2 U	2 U	2 U	1 U	2 U	5 U	5 U	5 U
Carbon Disulfide	1500	6200		1000				2 U	0.63 J	2 U	2 U	0.47 J	2 U			
Carbon Tetrachloride	5	5	5	0.44	5 U		5 U	2 U	2 U	2 U	2 U	1 U	2 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	91	5 U		5 U	2 U	2 U	2 U	2 U	1 U	2 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	5 U		5 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	100 U	100 U
Chloroethane	230	900		21000	5 U		5 U	2 U	2 U	2 U	2 U	1 U	2 U	1 U	1 U	1 U
Chloroform	80	80		0.19	5 U		5 U	2 U	2 U	2 U	2 U	1 U	2 U	1	1 U	1 U
Chloromethane	30	30		190	5 U		5 U	2 U	2 U	2 U	2 U	0.45 J	2 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	73	5 U		18	12	9.4	12	9.4	11	9.5	13	18	34
cis-1,3-Dichloropropene	6.6	26		0.43	5 U		5 U	2 U	2 U	2 U	2 U	1 U	2 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	5 U		5 U	2 U	2 U	2 U	2 U	1 U	2 U	1 U	1 U	1 U
Methyl tert-butyl ether	20	20		12				2 U	2 U	2 U	2 U	1 U	2 U			
Methylene chloride	5	5		4.8	5 U		5 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	2 U	2 U
Styrene	100	100	100	1600				2 U	2 U	2 U	2 U	1 U	2 U			
Tetrachloroethene	5	5	5	0.11	5 U		5 U	2 U	2 U	2 U	2 U	1 U	2 U	2	2	2
Toluene	1000	1000	1000	2300	5 U		5 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	2 U	2 U
Total VOCs																
trans-1,2-Dichloroethene	100	100	100	110	5 U		5 U	2 U	2 U	2 U	2 U	1 U	2 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 2.4-3
Groundwater Data Summary - VOC 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 6/19/2007	CW-1 12/12/2007	CW-1 12/12/2007	CW-1 5/6/2008	CW-1 10/9/2008	CW-1 6/15/2009	CW-1 12/16/2009	CW-1 7/7/2010	CW-1 12/21/2010	CW-1A 6/9/1988	CW-1A 11/13/1990	CW-1A 11/15/1990
trans-1,3-Dichloropropene	6.6	26		0.43	5 U		5 U	2 U	2 U	2 U	2 U	1 U	2 U			
Trichloroethene	5	5	5	2	5 U		100	63	51	66	41	38	43	3248	1100	2000
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	5 U	5 U		2 U	2 U	2 U	2 U	1 U	2 U	1 U	1 U	1 U
Xylenes (Total)	10000	10000	10000	200				6 U	6 U	6 U	6 U	3 U	6 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 2.4-3
Groundwater Data Summary - VOC 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 12/5/1990	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	CW-1A 12/1/1993
TOTAL VOC																
				103.7	2738	2742	2748	2441	1738	2139	924	1428	914	899	681	510
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52												
1,1,1-Trichloroethane	200	200	200	9100	1	1 U	2	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	5 U	2 U	2 U	5 U	1 U	2 U	2 U	2 U	1 U		
1,1,2-Trichloroethane	5	5	5	0.24	1 U	1 U	1 U	10 U	20 U	20 U	20 U	10 U	20 U	1 U		
1,1,2-Trichlorofluoromethane	2000	2000		1300	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U			
1,1,2-Trichlorotrifluoroethane	63000	170000		59000												
1,1-Dichloroethane	31	160		2.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065												
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330												
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
1,3-Dichloropropene	6.6	26		0.43												
1,4-Dioxane	6.4	32		0.67												
2-Butanone	4000	4000		7100										10 U		
2-Chloroethyl Vinyl Ether					10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U		
2-Hexanone	11	44		47										10 U		
4-Methyl-2-Pentanone	2900	8200		2000										10 U		
Acetone	33000	92000		22000										10 U		
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045												
Benzene	5	5	5	0.41	200 U	100 U	200 U	100 U	100 U	50 U	50 U	20 U	50 U	1 U		
Bromochloromethane	90	90														
Bromodichloromethane	80	80		0.12												
Bromoform	80	80		8.5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U		
Bromomethane	10	10		8.7	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 U		
Carbon Disulfide	1500	6200		1000										1 U		
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
Chlorobenzene	100	100	100	91	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	100 U	2 U	2 U	20 U	50 U	50 U	50 U	20 U	50 U	1 U		
Chloroethane	230	900		21000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U		
Chloroform	80	80		0.19	1	1 U	2	2	1	1 U	1	2	4	2	3	6
Chloromethane	30	30		190	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 U		
cis-1,2-Dichloroethene	70	70	70	73	37	32	33	39	32	34	31	9	18	16	10	10
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
Methyl tert-butyl ether	20	20		12												
Methylene chloride	5	5		4.8	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U		
Styrene	100	100	100	1600										1 U		
Tetrachloroethene	5	5	5	0.11	2	6	5	7	8	4	7	3	6	6	6	5
Toluene	1000	1000	1000	2300	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U		
Total VOCs																
trans-1,2-Dichloroethene	100	100	100	110										1 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 2.4-3
Groundwater Data Summary - VOC 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 12/5/1990	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	CW-1A 12/1/1993
trans-1,3-Dichloropropene	6.6	26		0.43												
Trichloroethene	5	5	5	2	3500	2700	2700	2700	2400	1700	2100	910	1400	890	880	660
Vinyl Acetate	420	1800		410										10 U		
Vinyl Chloride	2	2	2	0.016	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U
Xylenes (Total)	10000	10000	10000	200										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 2.4-3
Groundwater Data Summary - VOC 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 1/26/1994	CW-1A 4/5/1994	CW-1A 7/11/1994	CW-1A 12/15/1994	CW-1A 6/2/1995	CW-1A 12/7/1995	CW-1A 6/6/1996	CW-1A 12/2/1996	CW-1A 6/4/1997	CW-1A Dup 6/4/1997	CW-1A 12/1/1998	CW-1A 6/8/1999
TOTAL VOC																
				103.7	970	320	535	610	578	273	190	400	400	1212.6	757.4	700
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52												
1,1,1-Trichloroethane	200	200	200	9100	5 U	1 U	10 U					10 U	10 U	10 U	0 U	0 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	5 U		10 U					10 U	10 U	10 U		
1,1,2-Trichloroethane	5	5	5	0.24	5 U		10 U					10 U	10 U	10 U	0 U	0 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1,2-Trichlorotrifluoroethane	63000	170000		59000												
1,1-Dichloroethane	31	160		2.4	5 U	1 U	10 U					10 U	10 U	10 U	0 U	0 U
1,1-Dichloroethene	7	7	7	340	5 U	1 U	10 U					10 U	10 U	10 U	0 U	0 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065												
1,2-Dichloroethane	5	5	5	0.15	5 U	1 U	10 U					10 U	10 U	10 U	0 U	0 U
1,2-Dichloroethene	70	70	70	330				6	4	6	1					
1,2-Dichloropropane	5	5	5	0.39	5 U		10 U					10 U	10 U	10 U		
1,3-Dichloropropene	6.6	26		0.43								10 U	10 U	10 U		
1,4-Dioxane	6.4	32		0.67												
2-Butanone	4000	4000		7100	50 U		100 U									
2-Chloroethyl Vinyl Ether					50 U		100 U					100 U	100 U	100 U		
2-Hexanone	11	44		47	50 U		100 U									
4-Methyl-2-Pentanone	2900	8200		2000	50 U		100 U									
Acetone	33000	92000		22000	50 U		100 U									
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045												
Benzene	5	5	5	0.41	5 U		10 U					20 U	20 U	20 U	0 U	0 U
Bromochloromethane	90	90														
Bromodichloromethane	80	80		0.12	5 U		10 U					20 U	20 U	20 U	0 U	0 U
Bromoform	80	80		8.5	5 U		10 U					20 U	20 U	20 U		
Bromomethane	10	10		8.7	10 U		20 U					50 U	50 U	50 U		
Carbon Disulfide	1500	6200		1000	5 U		10 U									
Carbon Tetrachloride	5	5	5	0.44	5 U		10 U					10 U	10 U	10 U	0 U	0 U
Chlorobenzene	100	100	100	91	5 U	1 U	10 U					10 U	10 U	10 U	0 U	0 U
Chlorodibromomethane	80	80		0.15	5 U		10 U					20 U	20 U	20 U		
Chloroethane	230	900		21000	10 U		20 U					10 U	10 U	10 U	0 U	0 U
Chloroform	80	80		0.19	5 U	2	10 U	5	2	2		10 U	10 U	10 U	0 U	0 U
Chloromethane	30	30		190	10 U		20 U					50 U	50 U	50 U		
cis-1,2-Dichloroethene	70	70	70	73	5 U	12	10 U								0 U	5
cis-1,3-Dichloropropene	6.6	26		0.43	5 U		10 U									
Ethylbenzene	700	700	700	1.5	5 U		10 U					10 U	10 U	10 U	0 U	0 U
Methyl tert-butyl ether	20	20		12												
Methylene chloride	5	5		4.8	10 U		20 U					20 U	20 U	20 U	0 U	0 U
Styrene	100	100	100	1600	5 U		10 U									
Tetrachloroethene	5	5	5	0.11	5 U	6	10 U	4	4		2	10 U	10 U	10 U	6.3	3.7
Toluene	1000	1000	1000	2300	5 U		10 U					20 U	20 U	20 U	0 U	0 U
Total VOCs															606.3	378.7
trans-1,2-Dichloroethene	100	100	100	110								10 U	10 U	10 U	0 U	0 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 2.4-3
Groundwater Data Summary - VOC 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 1/26/1994	CW-1A 4/5/1994	CW-1A 7/11/1994	CW-1A 12/15/1994	CW-1A 6/2/1995	CW-1A 12/7/1995	CW-1A 6/6/1996	CW-1A 12/2/1996	CW-1A 6/4/1997	CW-1A Dup 6/4/1997	CW-1A 12/1/1998	CW-1A 6/8/1999
trans-1,3-Dichloropropene	6.6	26		0.43												
Trichloroethene	5	5	5	2	510	950	320	520	600	570	270	190	400	400	600	370
Vinyl Acetate	420	1800		410	50 U		100 U									
Vinyl Chloride	2	2	2	0.016	10 U		20 U					10 U	10 U	10 U	0 U	0 U
Xylenes (Total)	10000	10000	10000	200	25 U		50 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 2.4-3
Groundwater Data Summary - VOC 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 12/22/1999	CW-1A 6/2/2000	CW-1A 12/1/2000	CW-1A 6/8/2001	CW-1A 12/7/2001	CW-1A 6/14/2002	CW-1A 12/6/2002	CW-1A 6/9/2003	CW-1A 6/4/2004	CW-1A 12/11/2004	CW-1A 6/14/2005	CW-1A 12/9/2005
TOTAL VOC																
				103.7	984.8	1018	730	838	512.2	615.6	345.4	317.1	67.6	184.5	209.2	99
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52												
1,1,1-Trichloroethane	200	200	200	9100	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	10 U	5 U	10 U	2 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067									2 U	1 U	2 U	2 U
1,1,2-Trichloroethane	5	5	5	0.24	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	6 U	3 U	6 U	2 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1,2-Trichlorotrifluoroethane	63000	170000		59000												
1,1-Dichloroethane	31	160		2.4	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	10 U	5 U	10 U	2 U
1,1-Dichloroethene	7	7	7	340	0 U	0 U	0 U	0 U	0 U	20	0 U	0 U	4 U	2 U	4 U	2 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065												
1,2-Dichloroethane	5	5	5	0.15	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	4 U	2 U	4 U	2 U
1,2-Dichloroethene	70	70	70	330												
1,2-Dichloropropane	5	5	5	0.39									2 U	1 U	2 U	2 U
1,3-Dichloropropene	6.6	26		0.43												
1,4-Dioxane	6.4	32		0.67									2000 U	1000 U	2000 U	400 U
2-Butanone	4000	4000		7100									10 U	5 U	10 U	130
2-Chloroethyl Vinyl Ether													10 U	5 U	10 U	4 U
2-Hexanone	11	44		47												
4-Methyl-2-Pentanone	2900	8200		2000												
Acetone	33000	92000		22000						0 U						
Acrolein	0.042	0.18		0.042									200 U	100 U	200 U	40 U
Acrylonitrile	0.72	3.7		0.045									100 U	50 U	100 U	40 U
Benzene	5	5	5	0.41	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	2 U	1 U	2 U	2 U
Bromochloromethane	90	90														
Bromodichloromethane	80	80		0.12	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	2 U	1 U	2 U	2 U
Bromoform	80	80		8.5									8 U	4 U	8 U	2 U
Bromomethane	10	10		8.7									10 U	5 U	10 U	2 U
Carbon Disulfide	1500	6200		1000						0 U						
Carbon Tetrachloride	5	5	5	0.44	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	4 U	2 U	4 U	2 U
Chlorobenzene	100	100	100	91	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	10 U	5 U	10 U	2 U
Chlorodibromomethane	80	80		0.15									10 U	5 U	10 U	2 U
Chloroethane	230	900		21000	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	10 U	5 U	10 U	2 U
Chloroform	80	80		0.19	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	10 U	5 U	10 U	2 U
Chloromethane	30	30		190									10 U	5 U	10 U	7.2
cis-1,2-Dichloroethene	70	70	70	73	0 U	6	0 U	0 U	0 U	7.1	5		3.1 J	0.6 J	2.5 J	2 U
cis-1,3-Dichloropropene	6.6	26		0.43									10 U	5 U	10 U	2 U
Ethylbenzene	700	700	700	1.5	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	8 U	4 U	8 U	2 U
Methyl tert-butyl ether	20	20		12												
Methylene chloride	5	5		4.8	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	6 U	3 U	6 U	2 U
Styrene	100	100	100	1600												
Tetrachloroethene	5	5	5	0.11	0 U	4.4	0 U	0 U	0 U	0 U	3.8	1.7	4	1	2	2 U
Toluene	1000	1000	1000	2300	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	10 U	5 U	10 U	2 U
Total VOCs					350	492.4	509	365	419	256.1	307.8	172.7				
trans-1,2-Dichloroethene	100	100	100	110	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	10 U	5 U	10 U	2 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 2.4-3
Groundwater Data Summary - VOC 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 12/22/1999	CW-1A 6/2/2000	CW-1A 12/1/2000	CW-1A 6/8/2001	CW-1A 12/7/2001	CW-1A 6/14/2002	CW-1A 12/6/2002	CW-1A 6/9/2003	CW-1A 6/4/2004	CW-1A 12/11/2004	CW-1A 6/14/2005	CW-1A 12/9/2005
trans-1,3-Dichloropropene	6.6	26		0.43									10 U	5 U	10 U	2 U
Trichloroethene	5	5	5	2	350	482	509	365	419	229	299	171	310	66	180	72
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	10 U	5 U	10 U	2 U
Xylenes (Total)	10000	10000	10000	200						0 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 2.4-3
Groundwater Data Summary - VOC 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 6/20/2006	CW-1A 6/19/2007	CW-1A 12/12/2007	CW-1A 5/7/2008	CW-1A 10/9/2008	CW-1A 6/15/2009	CW-1A 12/16/2009	CW-1A 7/7/2010	CW-1A 12/21/2010	CW-2 6/2/1988	CW-2 11/14/1990	CW-2 11/15/1990
TOTAL VOC																
				103.7	0.76	121.2	53.96	59.49	52.58	34.26	68.46	41.86	969	1023	1017	646
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52				2 U	2 U	2 U	1 U	2 U	1 U			
1,1,1-Trichloroethane	200	200	200	9100	5 U	5 U	5 U	2 U	2 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	5 U	5 U	5 U	2 U	2 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	5 U	5 U	5 U	2 U	2 U	2 U	1 U	2 U	1 U	1 U	50 U	10 U
1,1,2-Trichlorofluoromethane	2000	2000		1300										1 U	1 U	1 U
1,1,2-Trichlorotrifluoroethane	63000	170000		59000												
1,1-Dichloroethane	31	160		2.4	5 U	5 U	5 U	2 U	2 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	5 U	5 U	5 U	2 U	2 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065				2 U	2 U	2 U	1 U	2 U	1 U			
1,2-Dichloroethane	5	5	5	0.15	5 U	5 U	5 U	2 U	2 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330												
1,2-Dichloropropane	5	5	5	0.39	5 U	5 U	5 U	2 U	2 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene	6.6	26		0.43												
1,4-Dioxane	6.4	32		0.67	1000 U	1000 U	1000 U	400 U	400 U	400 U	200 U	400 U	200 U			
2-Butanone	4000	4000		7100	5 U	5 U	5 U	20 U	20 U	20 U	10 U	20 U	10 U			
2-Chloroethyl Vinyl Ether					10 U	10 U	10 U							10 U	10 U	10 U
2-Hexanone	11	44		47				20 U	20 U	20 U	10 U	20 U	10 U			
4-Methyl-2-Pentanone	2900	8200		2000				20 U	20 U	20 U	10 U	20 U	10 U			
Acetone	33000	92000		22000				20 U	20 U	20 U	10 U	20 U	10 U			
Acrolein	0.042	0.18		0.042	100 U	100 U	100 U									
Acrylonitrile	0.72	3.7		0.045	100 U	100 U	100 U	40 U	40 U	40 U	20 U	40 U	20 U			
Benzene	5	5	5	0.41	5 U	5 U	5 U	2 U	2 U	2 U	1 U	2 U	1 U	20 U	50 U	5 U
Bromochloromethane	90	90						2 U	2 U	2 U	1 U	2 U	1 U			
Bromodichloromethane	80	80		0.12	5 U	5 U	5 U	2 U	2 U	2 U	1 U	2 U	1 U			
Bromoform	80	80		8.5	5 U	5 U	5 U	2 U	2 U	2 U	1 U	2 U	1 U	2 U	2 U	2 U
Bromomethane	10	10		8.7	5 U	5 U	5 U	2 U	2 U	2 U	1 U	2 U	1 U	5 U	5 U	5 U
Carbon Disulfide	1500	6200		1000				2 U	2 U	2 U	1 U	17	1 U			
Carbon Tetrachloride	5	5	5	0.44	5 U	5 U	5 U	2 U	2 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	91	5 U	5 U	5 U	2 U	2 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	5 U	5 U	5 U	2 U	2 U	2 U	1 U	2 U	1 U	2 U	100 U	20 U
Chloroethane	230	900		21000	5 U	5 U	5 U	2 U	2 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U
Chloroform	80	80		0.19	5 U	5 U	5 U	0.19 J	2 U	2 U	0.19 J	2 U	0.33 J	1 U	1 U	1 U
Chloromethane	30	30		190	5 U	5 U	5 U	2 U	2 U	2 U	1 U	2 U	1 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	73	13	5 U	5 U	0.58 J	0.57 J	0.83 J	0.5 J	0.54 J	0.58 J	14	19	14
cis-1,3-Dichloropropene	6.6	26		0.43	5 U	5 U	5 U	2 U	2 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	5 U	5 U	5 U	2 U	2 U	2 U	1 U	2 U	1 U	2 U	1 U	1 U
Methyl tert-butyl ether	20	20		12				2 U	2 U	2 U	1 U	2 U	1 U			
Methylene chloride	5	5		4.8	5 U	0.76 J	5 U	0.4 J	2 U	2 U	1 U	1 J B	0.19 J	2 U	2 U	2 U
Styrene	100	100	100	1600				2 U	2 U	2 U	1 U	2 U	1 U			
Tetrachloroethene	5	5	5	0.11	5 U	5 U	1.2 J	0.79 J	0.92 J	0.75 J	0.57 J	0.92 J	0.76 J	2	4	3
Toluene	1000	1000	1000	2300	5 U	5 U	5 U	2 U	2 U	2 U	1 U	2 U	1 U	2 U	2 U	2 U
Total VOCs																
trans-1,2-Dichloroethene	100	100	100	110	5 U	5 U	5 U	2 U	2 U	2 U	1 U	2 U	1 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 2.4-3
Groundwater Data Summary - VOC 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 6/20/2006	CW-1A 6/19/2007	CW-1A 12/12/2007	CW-1A 5/7/2008	CW-1A 10/9/2008	CW-1A 6/15/2009	CW-1A 12/16/2009	CW-1A 7/7/2010	CW-1A 12/21/2010	CW-2 6/2/1988	CW-2 11/14/1990	CW-2 11/15/1990
trans-1,3-Dichloropropene	6.6	26		0.43	5 U	5 U	5 U	2 U	2 U	2 U	1 U	2 U	1 U			
Trichloroethene	5	5	5	2	86	5 U	120	52	58	51	33	49	40	953	1000	1000
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	5 U	5 U	5 U	2 U	2 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U
Xylenes (Total)	10000	10000	10000	200				6 U	6 U	6 U	3 U	6 U	3 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 2.4-3
Groundwater Data Summary - VOC 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 12/5/1990	CW-2 1/14/1991	CW-2 2/7/1991	CW-2 3/6/1991	CW-2 4/24/1991	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
TOTAL VOC																
				103.7	369	317	289	267	125	127	103	106	123	87	92	57
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52												
1,1,1-Trichloroethane	200	200	200	9100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
1,1,2-Trichloroethane	5	5	5	0.24	5 U	1 U	2 U	2 U	5 U	2 U	2 U	2 U	2 U	1 U		
1,1,2-Trichlorofluoromethane	2000	2000		1300	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U			
1,1,2-Trichlorotrifluoroethane	63000	170000		59000												
1,1-Dichloroethane	31	160		2.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065												
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330												
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
1,3-Dichloropropene	6.6	26		0.43												
1,4-Dioxane	6.4	32		0.67												
2-Butanone	4000	4000		7100										10 U		
2-Chloroethyl Vinyl Ether					10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U		
2-Hexanone	11	44		47										10 U		
4-Methyl-2-Pentanone	2900	8200		2000										10 U		
Acetone	33000	92000		22000										10 U		
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045												
Benzene	5	5	5	0.41	20 U	20 U	20 U	10 U	10 U	5 U	5 U	5 U	5 U	1 U		
Bromochloromethane	90	90														
Bromodichloromethane	80	80		0.12												
Bromoform	80	80		8.5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U		
Bromomethane	10	10		8.7	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 U		
Carbon Disulfide	1500	6200		1000										1 U		
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
Chlorobenzene	100	100	100	91	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	10 U	2 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	1 U		
Chloroethane	230	900		21000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U		
Chloroform	80	80		0.19	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	30	30		190	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 U		
cis-1,2-Dichloroethene	70	70	70	73	14	8	6	8	7	5	7	3	6	3	2	2
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
Methyl tert-butyl ether	20	20		12												
Methylene chloride	5	5		4.8	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U		
Styrene	100	100	100	1600										5 U		
Tetrachloroethene	5	5	5	0.11	2	1	1	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	1000	1000	1000	2300	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U		
Total VOCs																
trans-1,2-Dichloroethene	100	100	100	110												

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 2.4-3
Groundwater Data Summary - VOC 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 12/5/1990	CW-2 1/14/1991	CW-2 2/7/1991	CW-2 3/6/1991	CW-2 4/24/1991	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
trans-1,3-Dichloropropene	6.6	26		0.43												
Trichloroethene	5	5	5	2	630	360	310	280	260	120	120	100	100	120	85	90
Vinyl Acetate	420	1800		410										10 U		
Vinyl Chloride	2	2	2	0.016	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U
Xylenes (Total)	10000	10000	10000	200										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 2.4-3
Groundwater Data Summary - VOC 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 1/26/1994	CW-2 4/5/1994	CW-2 7/11/1994	CW-2 6/2/1995	CW-2 12/7/1995	CW-2 6/6/1996	CW-2 12/2/1996	CW-2 6/4/1997	CW-2 12/1/1998	CW-2 6/8/1999	CW-2 12/22/1999	CW-2 6/2/2000	CW-2 12/1/2000
TOTAL VOC																	
				103.7	122	85	103	126	105	67	71	186	219.4	154	179.2	200	235.2
Volatile Organic Compound																	
1,1,1,2-Tetrachloroethane	70	70		0.52													
1,1,1-Trichloroethane	200	200	200	9100	1 U	1 U	1 U				10 U	5 U	0 U	0 U	0 U	0 U	0 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U		1 U				10 U	5 U					
1,1,2-Trichloroethane	5	5	5	0.24	1 U		1 U				10 U	5 U	0 U	0 U	0 U	0 U	0 U
1,1,2-Trichlorofluoromethane	2000	2000		1300													
1,1,2-Trichlorotrifluoroethane	63000	170000		59000													
1,1-Dichloroethane	31	160		2.4	1 U	1 U	1 U				10 U	5 U	0 U	0 U	0 U	0 U	0 U
1,1-Dichloroethene	7	7	7	340	1 U	1 U	1 U				10 U	5 U	0 U	0 U	0 U	0 U	0 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065													
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	1 U				10 U	5 U	0 U	0 U	0 U	0 U	0 U
1,2-Dichloroethene	70	70	70	330			4	3	6	6							
1,2-Dichloropropane	5	5	5	0.39	1 U		1 U				10 U	5 U					
1,3-Dichloropropene	6.6	26		0.43							10 U	5 U					
1,4-Dioxane	6.4	32		0.67													
2-Butanone	4000	4000		7100	10 U		10 U										
2-Chloroethyl Vinyl Ether					10 U		10 U				100 U	50 U					
2-Hexanone	11	44		47	10 U		10 U										
4-Methyl-2-Pentanone	2900	8200		2000	10 U		10 U										
Acetone	33000	92000		22000	10 U		10 U										
Acrolein	0.042	0.18		0.042													
Acrylonitrile	0.72	3.7		0.045													
Benzene	5	5	5	0.41	1 U		1 U				20 U	10 U	0 U	0 U	0 U	0 U	0 U
Bromochloromethane	90	90															
Bromodichloromethane	80	80		0.12	1 U		1 U				20 U	10 U	0 U	0 U	0 U	0 U	0 U
Bromoform	80	80		8.5	1 U		1 U				20 U	10 U					
Bromomethane	10	10		8.7	2 U		2 U				50 U	25 U					
Carbon Disulfide	1500	6200		1000	1 U		1 U										
Carbon Tetrachloride	5	5	5	0.44	1 U		1 U				10 U	5 U	0 U	0 U	0 U	0 U	0 U
Chlorobenzene	100	100	100	91	1 U	1 U	1 U				10 U	5 U	0 U	0 U	0 U	0 U	0 U
Chlorodibromomethane	80	80		0.15	1 U		1 U				20 U	10 U					
Chloroethane	230	900		21000	2 U		2 U				10 U	5 U	0 U	0 U	0 U	0 U	0 U
Chloroform	80	80		0.19	1 U	1 U	1 U				10 U	5 U	0 U	0 U	0 U	0 U	0 U
Chloromethane	30	30		190	2 U		2 U				50 U	25 U					
cis-1,2-Dichloroethene	70	70	70	73	2	2	2						13	9.7	24	19	25
cis-1,3-Dichloropropene	6.6	26		0.43	1 U		1 U										
Ethylbenzene	700	700	700	1.5	1 U		1 U				10 U	5 U	0 U	0 U	0 U	0 U	0 U
Methyl tert-butyl ether	20	20		12													
Methylene chloride	5	5		4.8	2 U		2 U				20 U	10 U	0 U	0 U	0 U	0 U	0 U
Styrene	100	100	100	1600	1 U		1 U										
Tetrachloroethene	5	5	5	0.11	1 U	1 U	1 U				10 U	5 U	0 U	0 U	0 U	1.6	0 U
Toluene	1000	1000	1000	2300	1 U		1 U				20 U	10 U	0 U	0 U	0 U	0 U	0 U
Total VOCs													93	109.7	77	89.6	100
trans-1,2-Dichloroethene	100	100	100	110			1 U				10 U	5 U	0 U	0 U	0 U	0 U	0 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 2.4-3
Groundwater Data Summary - VOC 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 1/26/1994	CW-2 4/5/1994	CW-2 7/11/1994	CW-2 6/2/1995	CW-2 12/7/1995	CW-2 6/6/1996	CW-2 12/2/1996	CW-2 6/4/1997	CW-2 12/1/1998	CW-2 6/8/1999	CW-2 12/22/1999	CW-2 6/2/2000	CW-2 12/1/2000
trans-1,3-Dichloropropene	6.6	26		0.43			1 U										
Trichloroethene	5	5	5	2	55	120	79	100	120	99	67	71	80	100	53	69	75
Vinyl Acetate	420	1800		410	10 U		10 U										
Vinyl Chloride	2	2	2	0.016	2 U	1 U	2 U				10 U	5 U	0 U	0 U	0 U	0 U	0 U
Xylenes (Total)	10000	10000	10000	200	5 U		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 2.4-3
Groundwater Data Summary - VOC 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 6/8/2001	CW-2 12/7/2001	CW-2 6/14/2002	CW-2 12/6/2002	CW-2 6/9/2003	CW-2 12/5/2003	CW-2 6/4/2004	CW-2 12/10/2004	CW-2 6/13/2005	CW-2 12/9/2005	CW-2 6/20/2006	CW-2 6/19/2007	CW-2 12/12/2007
TOTAL VOC																	
				103.7	190	238.4	202	141.4	220	103.7	63.4	35.4	10.82	23.4	24.1	22.2	26.47
Volatile Organic Compound																	
1,1,1,2-Tetrachloroethane	70	70		0.52													
1,1,1-Trichloroethane	200	200	200	9100	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067							1 U	1 U	1 U	1 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5	5	5	0.24	0 U	0 U	0 U	0 U	0 U	0 U	3 U	3 U	3 U	1 U	5 U	5 U	5 U
1,1,2-Trichlorofluoromethane	2000	2000		1300													
1,1,2-Trichlorotrifluoroethane	63000	170000		59000													
1,1-Dichloroethane	31	160		2.4	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U
1,1-Dichloroethene	7	7	7	340	0 U	0 U	0 U	0 U	0 U	0 U	2 U	2 U	2 U	1 U	5 U	5 U	5 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065													
1,2-Dichloroethane	5	5	5	0.15	0 U	0 U	0 U	0 U	0 U	0 U	2 U	2 U	2 U	1 U	5 U	5 U	5 U
1,2-Dichloroethene	70	70	70	330													
1,2-Dichloropropane	5	5	5	0.39							1 U	1 U	1 U	1 U	5 U	5 U	5 U
1,3-Dichloropropene	6.6	26		0.43													
1,4-Dioxane	6.4	32		0.67							1000 U	1000 U	1000 U	200 U	1000 U	1000 U	1000 U
2-Butanone	4000	4000		7100							5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Chloroethyl Vinyl Ether											5 U	5 U	5 U	2 U	10 U	10 U	10 U
2-Hexanone	11	44		47													
4-Methyl-2-Pentanone	2900	8200		2000													
Acetone	33000	92000		22000			0 U										
Acrolein	0.042	0.18		0.042							100 U	100 U	100 U	20 U	100 U	100 U	100 U
Acrylonitrile	0.72	3.7		0.045							50 U	50 U	50 U	20 U	100 U	100 U	100 U
Benzene	5	5	5	0.41	0 U	0 U	0 U	0 U	0 U	0 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U
Bromochloromethane	90	90															
Bromodichloromethane	80	80		0.12	0 U	0 U	0 U	0 U	0 U	0 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U
Bromoform	80	80		8.5							4 U	4 U	4 U	1 U	5 U	5 U	5 U
Bromomethane	10	10		8.7							5 U	5 U	5 U	1 U	5 U	5 U	5 U
Carbon Disulfide	1500	6200		1000			0 U										
Carbon Tetrachloride	5	5	5	0.44	0 U	0 U	0 U	0 U	0 U	0 U	2 U	2 U	2 U	1 U	5 U	5 U	5 U
Chlorobenzene	100	100	100	91	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U
Chlorodibromomethane	80	80		0.15							5 U	5 U	5 U	1 U	5 U	5 U	5 U
Chloroethane	230	900		21000	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U
Chloroform	80	80		0.19	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U
Chloromethane	30	30		190							5 U	5 U	5 U	1 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	73	24	28	28	27			26	17	5.4	0.59 J	2.4 J	4.1 J	5.2
cis-1,3-Dichloropropene	6.6	26		0.43							5 U	5 U	5 U	1 U	5 U	5 U	5 U
Ethylbenzene	700	700	700	1.5	0 U	0 U	0 U	0 U	0 U	0 U	4 U	4 U	4 U	1 U	5 U	5 U	5 U
Methyl tert-butyl ether	20	20		12													
Methylene chloride	5	5		4.8	0 U	0 U	0 U	0 U	0 U	0 U	3 U	3 U	3 U	1 U	5 U	5 U	5 U
Styrene	100	100	100	1600													
Tetrachloroethene	5	5	5	0.11	0 U	0 U	0 U	0 U	1.2	0 U	0.7 J	0.4 J	1 U	0.23 J	5 U	5 U	5 U
Toluene	1000	1000	1000	2300	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U
Total VOCs					117.6	95	119.2	101	70.7	110							
trans-1,2-Dichloroethene	100	100	100	110	2.6	0 U	1.2	0 U	0 U	0 U	5 U	5 U	5 U	1 U	5 U	5 U	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 2.4-3
Groundwater Data Summary - VOC 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 6/8/2001	CW-2 12/7/2001	CW-2 6/14/2002	CW-2 12/6/2002	CW-2 6/9/2003	CW-2 12/5/2003	CW-2 6/4/2004	CW-2 12/10/2004	CW-2 6/13/2005	CW-2 12/9/2005	CW-2 6/20/2006	CW-2 6/19/2007	CW-2 12/12/2007
trans-1,3-Dichloropropene	6.6	26		0.43							5 U	5 U	5 U	1 U	5 U	5 U	5 U
Trichloroethene	5	5	5	2	91	67	90	74	69.5	110	77	46	30	10	21	20	17
Vinyl Acetate	420	1800		410													
Vinyl Chloride	2	2	2	0.016	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U
Xylenes (Total)	10000	10000	10000	200			0 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 2.4-3
Groundwater Data Summary - VOC 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 5/13/2008	CW-2 10/9/2008	CW-2 6/15/2009
TOTAL VOC							
				103.7	18.3	23.26	
Volatile Organic Compound							
1,1,1,2-Tetrachloroethane	70	70		0.52	1 U	1 U	1 U
1,1,1-Trichloroethane	200	200	200	9100	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300			
1,1,2-Trichlorotrifluoroethane	63000	170000		59000			
1,1-Dichloroethane	31	160		2.4	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	1 U	1 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	1 U	1 U	1 U
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330			
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U
1,3-Dichloropropene	6.6	26		0.43			
1,4-Dioxane	6.4	32		0.67	200 U	200 U	200 U
2-Butanone	4000	4000		7100	10 U	10 U	10 U
2-Chloroethyl Vinyl Ether							
2-Hexanone	11	44		47	10 U	10 U	10 U
4-Methyl-2-Pentanone	2900	8200		2000	10 U	10 U	10 U
Acetone	33000	92000		22000	10 U	10 U	10 U
Acrolein	0.042	0.18		0.042			
Acrylonitrile	0.72	3.7		0.045	20 U	20 U	20 U
Benzene	5	5	5	0.41	1 U	1 U	1 U
Bromochloromethane	90	90			1 U	1 U	1 U
Bromodichloromethane	80	80		0.12	1 U	1 U	1 U
Bromoform	80	80		8.5	1 U	1 U	1 U
Bromomethane	10	10		8.7	1 U	1 U	1 U
Carbon Disulfide	1500	6200		1000	1 U	1 U	1 U
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	1 U
Chlorobenzene	100	100	100	91	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	1 U	1 U	1 U
Chloroethane	230	900		21000	1 U	1 U	1 U
Chloroform	80	80		0.19	0.08 J	1 U	1 U
Chloromethane	30	30		190	1 U	1 U	1 U
cis-1,2-Dichloroethene	70	70	70	73	3.5	3.3	3.8
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U
Methyl tert-butyl ether	20	20		12	1 U	1 U	1 U
Methylene chloride	5	5		4.8	1 U	1 U	1 U
Styrene	100	100	100	1600	1 U	1 U	1 U
Tetrachloroethene	5	5	5	0.11	0.89 J	1 U	0.46 J
Toluene	1000	1000	1000	2300	1 U	1 U	1 U
Total VOCs							
trans-1,2-Dichloroethene	100	100	100	110	1 U	1 U	1 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 2.4-3
Groundwater Data Summary - VOC 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 5/13/2008	CW-2 10/9/2008	CW-2 6/15/2009
trans-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U
Trichloroethene	5	5	5	2	22	15	19
Vinyl Acetate	420	1800		410			
Vinyl Chloride	2	2	2	0.016	1 U	1 U	1 U
Xylenes (Total)	10000	10000	10000	200	3 U	3 U	3 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 2.4-3
Groundwater Data Summary - VOC 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 2/3/2010	CW-2 7/7/2010	CW-2 12/21/2010	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
TOTAL VOC																
				31.66	23.41	18.7	5847	422	309	996	1087	725	748	651	673	686
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52	1 U	1 U	1 U									
1,1,1-Trichloroethane	200	200	200	9100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	1 U	200 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	10 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	1 U	1 U	1 U	1 U	10 U	10 U	10 U	1 U	10 U	5 U	10 U
1,1,2-Trichlorofluoromethane	2000	2000		1300					1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorotrifluoroethane	63000	170000		59000				1 U								
1,1-Dichloroethane	31	160		2.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	1 U	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	1 U	1 U	1 U									
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330												
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene	6.6	26		0.43												
1,4-Dioxane	6.4	32		0.67	200 U	200 U	200 U									
2-Butanone	4000	4000		7100	10 U	10 U	10 U									
2-Chloroethyl Vinyl Ether								10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	11	44		47	10 U	10 U	10 U									
4-Methyl-2-Pentanone	2900	8200		2000	10 U	10 U	10 U									
Acetone	33000	92000		22000	10 U	10 U	10 U									
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045	20 U	20 U	20 U									
Benzene	5	5	5	0.41	1 U	1 U	1 U	20 U	10 U	10 U	5 U	50 U	50 U	50 U	20 U	50 U
Bromochloromethane	90	90			1 U	1 U	1 U									
Bromodichloromethane	80	80		0.12	1 U	1 U	1 U									
Bromoform	80	80		8.5	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bromomethane	10	10		8.7	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Disulfide	1500	6200		1000	1 U	2.7 B	1 U									
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	91	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	1 U	1 U	1 U	2 U	2 U	20 U	20 U	20 U	2 U	20 U	10 U	20 U
Chloroethane	230	900		21000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	80	80		0.19	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	30	30		190	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	73	5	4.4	4.5	370	29	9	67	73	49	56	54	58
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl ether	20	20		12	0.22 J	1 U	1 U									
Methylene chloride	5	5		4.8	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Styrene	100	100	100	1600	1 U	1 U	1 U									
Tetrachloroethene	5	5	5	0.11	0.44 J	0.31 J	0.2 J	1680	40	1 U	19	14	16	22	27	25
Toluene	1000	1000	1000	2300	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Total VOCs																
trans-1,2-Dichloroethene	100	100	100	110	1 U	1 U	1 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 2.4-3
Groundwater Data Summary - VOC 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 2/3/2010	CW-2 7/7/2010	CW-2 12/21/2010	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
trans-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U									
Trichloroethene	5	5	5	2	26	16 B	14	3795	353	300	910	1000	660	670	570	590
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes (Total)	10000	10000	10000	200	3 U	3 U	3 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 2.4-3
Groundwater Data Summary - VOC 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 1/30/1992	CW-3 6/11/1992	CW-3 9/24/1992	CW-3 12/18/1992	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 12/15/1994	CW-3 6/2/1995
TOTAL VOC																
				31.66	746	918	722	436	130	423	400	616	370	483	241	241
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52												
1,1,1-Trichloroethane	200	200	200	9100	1 U	1 U	1 U	1 U	2 U	1 U	1 U	5 U	1 U	5 U		
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	5 U	20 U	10 U	5 U	2 U			5 U		5 U		
1,1,2-Trichloroethane	5	5	5	0.24	10 U	5 U	10 U	10 U	2 U			5 U		5 U		
1,1,2-Trichlorofluoromethane	2000	2000		1300	1 U	1 U	2 U	1 U								
1,1,2-Trichlorotrifluoroethane	63000	170000		59000												
1,1-Dichloroethane	31	160		2.4	1 U	1 U	1 U	1 U	2 U	1 U	1 U	5 U	1 U	5 U		
1,1-Dichloroethene	7	7	7	340	1 U	1 U	1 U	1 U	2 U	1 U	1 U	5 U	1 U	5 U		
1,2-Dibromoethane	0.05	0.05	0.05	0.0065												
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	1 U	1 U	2 U	1 U	1 U	5 U	1 U	5 U		
1,2-Dichloroethene	70	70	70	330											43	19
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U	2 U			5 U		5 U		
1,3-Dichloropropene	6.6	26		0.43												
1,4-Dioxane	6.4	32		0.67												
2-Butanone	4000	4000		7100					20 U			50 U		50 U		
2-Chloroethyl Vinyl Ether					10 U	10 U	10 U	10 U	20 U			50 U		50 U		
2-Hexanone	11	44		47					20 U			50 U		50 U		
4-Methyl-2-Pentanone	2900	8200		2000					20 U			50 U		50 U		
Acetone	33000	92000		22000					20 U			50 U		50 U		
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045												
Benzene	5	5	5	0.41	20 U	10 U	20 U	20 U	2 U			5 U		5 U		
Bromochloromethane	90	90														
Bromodichloromethane	80	80		0.12					2 U			5 U		5 U		
Bromoform	80	80		8.5	2 U	2 U	2 U	2 U	2 U			5 U		5 U		
Bromomethane	10	10		8.7	5 U	5 U	5 U	5 U	4 U			10 U		10 U		
Carbon Disulfide	1500	6200		1000					2 U			5 U		5 U		
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	1 U	1 U	2 U			5 U		5 U		
Chlorobenzene	100	100	100	91	1 U	1 U	1 U	1 U	2 U	1 U	1 U	5 U	1 U	5 U		
Chlorodibromomethane	80	80		0.15	20 U	5 U	20 U	20 U	2 U			5 U		5 U		
Chloroethane	230	900		21000	1 U	1 U	1 U	1 U	4 U			10 U		10 U		
Chloroform	80	80		0.19	1 U	1 U	5 U	1 U	2 U	1 U	1 U	5 U	1 U	5 U		
Chloromethane	30	30		190	5 U	5 U	5 U	5 U	4 U			10 U		10 U		
cis-1,2-Dichloroethene	70	70	70	73	62	76	62	70	30	5	33	30	37	5 U		
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	1 U	2 U			5 U		5 U		
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	1 U	2 U			5 U		5 U		
Methyl tert-butyl ether	20	20		12												
Methylene chloride	5	5		4.8	2 U	2 U	2 U	2 U	4 U			10 U		10 U		
Styrene	100	100	100	1600								5 U		5 U		
Tetrachloroethene	5	5	5	0.11	34	60	26	32	16	5	20	10	19	10	10	2
Toluene	1000	1000	1000	2300	2 U	2 U	2 U	2 U	2 U			5 U		5 U		
Total VOCs																
trans-1,2-Dichloroethene	100	100	100	110					2 U					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 2.4-3
Groundwater Data Summary - VOC 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 1/30/1992	CW-3 6/11/1992	CW-3 9/24/1992	CW-3 12/18/1992	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 12/15/1994	CW-3 6/2/1995
trans-1,3-Dichloropropene	6.6	26		0.43										5 U		
Trichloroethene	5	5	5	2	590	610	830	620	390	120	370	360	560	360	430	220
Vinyl Acetate	420	1800		410					20 U			50 U		50 U		
Vinyl Chloride	2	2	2	0.016	1 U	1 U	1 U	1 U	4 U	1 U	1 U	10 U	1 U	10 U		
Xylenes (Total)	10000	10000	10000	200					10 U			25 U		25 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 2.4-3
Groundwater Data Summary - VOC 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 6/2/1995	CW-3 12/7/1995	CW-3 6/6/1996	CW-3 6/6/1996	CW-3 12/2/1996	CW-3 6/4/1997	CW-3 12/1/1998	CW-3 6/8/1999	CW-3 12/22/1999	CW-3 6/2/2000	CW-3 12/1/2000	CW-3 6/8/2001	CW-3 12/7/2001
TOTAL VOC																	
				31.66	408	297	297	200	99	362.2	414	284	327.2	120.4	286.2	280.4	256.2
Volatile Organic Compound																	
1,1,1,2-Tetrachloroethane	70	70		0.52													
1,1,1-Trichloroethane	200	200	200	9100					10 U	10 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067					10 U	10 U							
1,1,2-Trichloroethane	5	5	5	0.24					10 U	10 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
1,1,2-Trichlorofluoromethane	2000	2000		1300													
1,1,2-Trichlorotrifluoroethane	63000	170000		59000													
1,1-Dichloroethane	31	160		2.4					10 U	10 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
1,1-Dichloroethene	7	7	7	340					10 U	10 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065													
1,2-Dichloroethane	5	5	5	0.15					10 U	10 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
1,2-Dichloroethene	70	70	70	330	19	27	30	30									
1,2-Dichloropropane	5	5	5	0.39					10 U	10 U							
1,3-Dichloropropene	6.6	26		0.43					10 U	10 U							
1,4-Dioxane	6.4	32		0.67													
2-Butanone	4000	4000		7100													
2-Chloroethyl Vinyl Ether									100 U	100 U							
2-Hexanone	11	44		47													
4-Methyl-2-Pentanone	2900	8200		2000													
Acetone	33000	92000		22000													
Acrolein	0.042	0.18		0.042													
Acrylonitrile	0.72	3.7		0.045													
Benzene	5	5	5	0.41					20 U	20 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Bromochloromethane	90	90															
Bromodichloromethane	80	80		0.12					20 U	20 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Bromoform	80	80		8.5					20 U	20 U							
Bromomethane	10	10		8.7					50 U	50 U							
Carbon Disulfide	1500	6200		1000													
Carbon Tetrachloride	5	5	5	0.44					10 U	10 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Chlorobenzene	100	100	100	91					10 U	10 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Chlorodibromomethane	80	80		0.15					20 U	20 U							
Chloroethane	230	900		21000					10 U	10 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Chloroform	80	80		0.19					10 U	10 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Chloromethane	30	30		190					50 U	50 U							
cis-1,2-Dichloroethene	70	70	70	73							29	34	32	35	27	42	37
cis-1,3-Dichloropropene	6.6	26		0.43													
Ethylbenzene	700	700	700	1.5					10 U	10 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Methyl tert-butyl ether	20	20		12													
Methylene chloride	5	5		4.8					20 U	20 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Styrene	100	100	100	1600													
Tetrachloroethene	5	5	5	0.11	2	11	7	7	10 U	10 U	2.1	3	0 U	5.6	1.2	6.1	1.2
Toluene	1000	1000	1000	2300					20 U	20 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Total VOCs											181.1	207	142	163.6	60.2	143.1	140.2
trans-1,2-Dichloroethene	100	100	100	110					10 U	10 U	0 U	0 U	0 U	0 U	0 U	0 U	0 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 2.4-3
Groundwater Data Summary - VOC 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 6/2/1995	CW-3 12/7/1995	CW-3 6/6/1996	CW-3 6/6/1996	CW-3 12/2/1996	CW-3 6/4/1997	CW-3 12/1/1998	CW-3 6/8/1999	CW-3 12/22/1999	CW-3 6/2/2000	CW-3 12/1/2000	CW-3 6/8/2001	CW-3 12/7/2001
trans-1,3-Dichloropropene	6.6	26		0.43													
Trichloroethene	5	5	5	2	220	370	260	260	200	99	150	170	110	123	32	95	102
Vinyl Acetate	420	1800		410													
Vinyl Chloride	2	2	2	0.016					10 U	10 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Xylenes (Total)	10000	10000	10000	200													

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 2.4-3
Groundwater Data Summary - VOC 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 6/14/2002	CW-3 12/6/2002	CW-3 6/9/2003	CW-3 12/5/2003	CW-3 6/4/2004	CW-3 12/10/2004	CW-3 6/13/2005	CW-3 12/9/2005	CW-3 6/20/2006	CW-3 6/19/2007	CW-3 12/12/2007	CW-3 5/6/2008
TOTAL VOC																
				31.66	133.6	249.6	143.6	109.8	124.4	111	49.2	61	74.3	53.57	37.75	33.64
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52												1 U
1,1,1-Trichloroethane	200	200	200	9100	2.1	0 U	0 U	0 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067					1 U	1 U	1 U	1 U	5 U	5 U	5 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	0 U	0 U	0 U	0 U	3 U	3 U	3 U	1 U	5 U	5 U	5 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1,2-Trichlorotrifluoroethane	63000	170000		59000												
1,1-Dichloroethane	31	160		2.4	0 U	0 U	0 U	0 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	1 U
1,1-Dichloroethene	7	7	7	340	0 U	0 U	0 U	0 U	2 U	2 U	2 U	1 U	5 U	5 U	5 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065												1 U
1,2-Dichloroethane	5	5	5	0.15	0 U	0 U	0 U	0 U	2 U	2 U	2 U	1 U	5 U	5 U	5 U	1 U
1,2-Dichloroethene	70	70	70	330												
1,2-Dichloropropane	5	5	5	0.39					1 U	1 U	1 U	1 U	5 U	5 U	5 U	1 U
1,3-Dichloropropene	6.6	26		0.43												
1,4-Dioxane	6.4	32		0.67					1000 U	1000 U	1000 U	200 U	1000 U	1000 U	1000 U	200 U
2-Butanone	4000	4000		7100					5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
2-Chloroethyl Vinyl Ether									5 U	5 U	5 U	2 U	10 U	10 U	10 U	
2-Hexanone	11	44		47												10 U
4-Methyl-2-Pentanone	2900	8200		2000												10 U
Acetone	33000	92000		22000	0 U											10 U
Acrolein	0.042	0.18		0.042					100 U	100 U	100 U	20 U	100 U	100 U	100 U	
Acrylonitrile	0.72	3.7		0.045					50 U	50 U	50 U	20 U	100 U	100 U	100 U	20 U
Benzene	5	5	5	0.41	0 U	0 U	0 U	0 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	1 U
Bromochloromethane	90	90														1 U
Bromodichloromethane	80	80		0.12	0 U	0 U	0 U	0 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	1 U
Bromoform	80	80		8.5					4 U	4 U	4 U	1 U	5 U	5 U	5 U	1 U
Bromomethane	10	10		8.7					5 U	5 U	5 U	1 U	5 U	5 U	5 U	1 U
Carbon Disulfide	1500	6200		1000	0 U											1 U
Carbon Tetrachloride	5	5	5	0.44	0 U	0 U	0 U	0 U	2 U	2 U	2 U	1 U	5 U	5 U	5 U	1 U
Chlorobenzene	100	100	100	91	0 U	0 U	0 U	0 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	1 U
Chlorodibromomethane	80	80		0.15					5 U	5 U	5 U	1 U	5 U	5 U	5 U	1 U
Chloroethane	230	900		21000	0 U	0 U	0 U	0 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	1 U
Chloroform	80	80		0.19	0 U	0 U	0 U	0 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	1 U
Chloromethane	30	30		190					5 U	5 U	5 U	1 U	5 U	5 U	5 U	1 U
cis-1,2-Dichloroethene	70	70	70	73	37	29			40	40	39	20	26	38	32	21
cis-1,3-Dichloropropene	6.6	26		0.43					5 U	5 U	5 U	1 U	5 U	5 U	5 U	1 U
Ethylbenzene	700	700	700	1.5	0 U	0 U	0 U	0 U	4 U	4 U	4 U	1 U	5 U	5 U	5 U	1 U
Methyl tert-butyl ether	20	20		12												1 U
Methylene chloride	5	5		4.8	0 U	0 U	0 U	0 U	3 U	3 U	3 U	1 U	5 U	5 U	5 U	1 U
Styrene	100	100	100	1600												1 U
Tetrachloroethene	5	5	5	0.11	0 U	1.8	3.8	10.4	9.8	5.4	10	1.2	5 U	1.3 J	0.57 J	0.75 J
Toluene	1000	1000	1000	2300	0 U	0 U	0 U	0 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	1 U
Total VOCs					128.1	66.8	124.8	71.8								
trans-1,2-Dichloroethene	100	100	100	110	0 U	0 U	0 U	0 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	1 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 2.4-3
Groundwater Data Summary - VOC 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 6/14/2002	CW-3 12/6/2002	CW-3 6/9/2003	CW-3 12/5/2003	CW-3 6/4/2004	CW-3 12/10/2004	CW-3 6/13/2005	CW-3 12/9/2005	CW-3 6/20/2006	CW-3 6/19/2007	CW-3 12/12/2007	CW-3 5/6/2008
trans-1,3-Dichloropropene	6.6	26		0.43					5 U	5 U	5 U	1 U	5 U	5 U	5 U	1 U
Trichloroethene	5	5	5	2	89	36	121	61.4	60	79	62	28	35	35	21	16
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	0 U	0 U	0 U	0 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	1 U
Xylenes (Total)	10000	10000	10000	200	0 U											3 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 2.4-3
Groundwater Data Summary - VOC 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 10/9/2008	CW-3 6/15/2009	CW-3 12/16/2009	CW-3 7/7/2010	CW-3 Dup 7/7/2010	CW-3 12/21/2010	CW-4 6/3/1988	CW-4 11/13/1990	CW-4 11/15/1990	CW-4 12/5/1990	CW-4 1/14/1991	CW-4 2/7/1991
TOTAL VOC																
				31.66	50.4	54.1	53.31	50.43	29.42	149	367	347	348	257	497	216
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52	1 U	1 U	1 U	1 U	1 U	1 U						
1,1,1-Trichloroethane	200	200	200	9100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	5 U	5 U	1 U	5 U
1,1,2-Trichlorofluoromethane	2000	2000		1300							1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorotrifluoroethane	63000	170000		59000												
1,1-Dichloroethane	31	160		2.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	1 U	1 U	1 U	1 U	1 U	1 U						
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330												
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene	6.6	26		0.43												
1,4-Dioxane	6.4	32		0.67	200 U	200 U	200 U	200 U	200 U	200 U						
2-Butanone	4000	4000		7100	10 U	10 U	10 U	10 U	10 U	10 U						
2-Chloroethyl Vinyl Ether											10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	11	44		47	10 U	10 U	10 U	10 U	10 U	10 U						
4-Methyl-2-Pentanone	2900	8200		2000	10 U	10 U	10 U	10 U	10 U	10 U						
Acetone	33000	92000		22000	10 U	10 U	10 U	10 U	10 U	10 U						
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045	20 U	20 U	20 U	20 U	20 U	20 U						
Benzene	5	5	5	0.41	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U	5 U	10 U	10 U	20 U
Bromochloromethane	90	90			1 U	1 U	1 U	1 U	1 U	1 U						
Bromodichloromethane	80	80		0.12	1 U	1 U	1 U	1 U	1 U	1 U						
Bromoform	80	80		8.5	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U
Bromomethane	10	10		8.7	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Disulfide	1500	6200		1000	1 U	1 U	1 U	0.41 J B	0.33 J	1 U						
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	91	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	1 U	1 U	1 U	1 U	1 U	1 U	2 U	20 U	10 U	10 U	2 U	10 U
Chloroethane	230	900		21000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	80	80		0.19	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	30	30		190	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	73	20	27	28	29	28	20	4	7	7	8	7	7
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl ether	20	20		12	1 U	1 U	1 U	1 U	1 U	1 U						
Methylene chloride	5	5		4.8	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U
Styrene	100	100	100	1600	1 U	1 U	1 U	1 U	1 U	1 U						
Tetrachloroethene	5	5	5	0.11	0.64 J	1.4	2.1	6.9	6.1	0.92 J	1	1 U	1 U	1 U	1 U	1 U
Toluene	1000	1000	1000	2300	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U
Total VOCs																
trans-1,2-Dichloroethene	100	100	100	110	1 U	1 U	1 U	1 U	1 U	1 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 2.4-3
Groundwater Data Summary - VOC 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 10/9/2008	CW-3 6/15/2009	CW-3 12/16/2009	CW-3 7/7/2010	CW-3 Dup 7/7/2010	CW-3 12/21/2010	CW-4 6/3/1988	CW-4 11/13/1990	CW-4 11/15/1990	CW-4 12/5/1990	CW-4 1/14/1991	CW-4 2/7/1991
trans-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	1 U	1 U	1 U						
Trichloroethene	5	5	5	2	13	22	24	17 B	16	8.5	144	360	340	340	250	490
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes (Total)	10000	10000	10000	200	3 U	3 U	3 U	3 U	3 U	3 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 2.4-3
Groundwater Data Summary - VOC 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 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	CW-4 7/11/1994
TOTAL VOC																
				31.66	207	232	257	273	243	208	126	230	199	220	126	228
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52												
1,1,1-Trichloroethane	200	200	200	9100	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	2 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	1 U	1 U	1 U	1 U	2 U			1 U		2 U
1,1,2-Trichloroethane	5	5	5	0.24	2 U	5 U	5 U	2 U	5 U	5 U	2 U			1 U		2 U
1,1,2-Trichlorofluoromethane	2000	2000		1300	1 U	1 U	1 U	1 U	1 U	1 U						
1,1,2-Trichlorotrifluoroethane	63000	170000		59000												
1,1-Dichloroethane	31	160		2.4	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	2 U
1,1-Dichloroethene	7	7	7	340	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	2 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065												
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	2 U
1,2-Dichloroethene	70	70	70	330												
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U	1 U	1 U	2 U			1 U		2 U
1,3-Dichloropropene	6.6	26		0.43												
1,4-Dioxane	6.4	32		0.67												
2-Butanone	4000	4000		7100							20 U			10 U		20 U
2-Chloroethyl Vinyl Ether					10 U	10 U	10 U	10 U	10 U	10 U	20 U			10 U		20 U
2-Hexanone	11	44		47							20 U			10 U		20 U
4-Methyl-2-Pentanone	2900	8200		2000							20 U			10 U		20 U
Acetone	33000	92000		22000							20 U			10 U		20 U
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045												
Benzene	5	5	5	0.41	10 U	2 U	10 U	5 U	5 U	10 U	2 U			1 U		2 U
Bromochloromethane	90	90														
Bromodichloromethane	80	80		0.12							2 U			1 U		2 U
Bromoform	80	80		8.5	2 U	2 U	2 U	2 U	2 U	2 U	2 U			1 U		2 U
Bromomethane	10	10		8.7	5 U	5 U	5 U	5 U	5 U	5 U	4 U			2 U		4 U
Carbon Disulfide	1500	6200		1000							2 U			1 U		2 U
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	1 U	1 U	1 U	1 U	2 U			1 U		2 U
Chlorobenzene	100	100	100	91	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	2 U
Chlorodibromomethane	80	80		0.15	5 U	10 U	10 U	5 U	10 U	10 U	2 U			1 U		2 U
Chloroethane	230	900		21000	1 U	1 U	1 U	1 U	1 U	1 U	4 U			2 U		4 U
Chloroform	80	80		0.19	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	2 U
Chloromethane	30	30		190	5 U	5 U	5 U	5 U		5 U	4 U			2 U		4 U
cis-1,2-Dichloroethene	70	70	70	73	6	7	12	16	12	12	8	5	8	7	8	6
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	1 U	1 U	1 U	2 U			1 U		2 U
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	1 U	1 U	1 U	2 U			1 U		2 U
Methyl tert-butyl ether	20	20		12												
Methylene chloride	5	5		4.8	2 U	2 U	2 U	2 U	2 U	2 U	4 U			2 U		4 U
Styrene	100	100	100	1600							2 U			1 U		2 U
Tetrachloroethene	5	5	5	0.11	1 U	1 U	1 U	1	1	1	2 U	1	2	2	2	2 U
Toluene	1000	1000	1000	2300	2 U	2 U	2 U	2 U	2 U	2 U	2 U			1 U		2 U
Total VOCs																
trans-1,2-Dichloroethene	100	100	100	110							2 U					2 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 2.4-3
Groundwater Data Summary - VOC 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 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	CW-4 7/11/1994
trans-1,3-Dichloropropene	6.6	26		0.43												2 U
Trichloroethene	5	5	5	2	210	200	220	240	260	230	200	120	220	190	210	120
Vinyl Acetate	420	1800		410							20 U			10 U		20 U
Vinyl Chloride	2	2	2	0.016	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U	1 U	2 U	1 U	4 U
Xylenes (Total)	10000	10000	10000	200							10 U			5 U		10 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 2.4-3
Groundwater Data Summary - VOC 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 12/15/1994	CW-4 6/2/1995	CW-4 12/7/1995	CW-4 6/6/1996	CW-4 12/2/1996	CW-4 Dup 12/2/1996	CW-4 6/4/1997	CW-4 12/1/1998	CW-4 6/8/1999	CW-4 12/22/1999	CW-4 6/2/2000	CW-4 12/1/2000
TOTAL VOC																
				31.66	373	197	243	180	190	200	330.8	423.2	334	340	386.2	429.6
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52												
1,1,1-Trichloroethane	200	200	200	9100					10 U	10 U	10 U	0 U	0 U	0 U	0 U	0 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067					10 U	10 U	10 U					
1,1,2-Trichloroethane	5	5	5	0.24					10 U	10 U	10 U	0 U	0 U	0 U	0 U	0 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1,2-Trichlorotrifluoroethane	63000	170000		59000												
1,1-Dichloroethane	31	160		2.4					10 U	10 U	10 U	0 U	0 U	0 U	0 U	0 U
1,1-Dichloroethene	7	7	7	340					10 U	10 U	10 U	0 U	0 U	0 U	0 U	0 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065												
1,2-Dichloroethane	5	5	5	0.15					10 U	10 U	10 U	0 U	0 U	0 U	0 U	0 U
1,2-Dichloroethene	70	70	70	330	6	19	23	29								
1,2-Dichloropropane	5	5	5	0.39					10 U	10 U	10 U					
1,3-Dichloropropene	6.6	26		0.43					10 U	10 U	10 U					
1,4-Dioxane	6.4	32		0.67												
2-Butanone	4000	4000		7100												
2-Chloroethyl Vinyl Ether									100 U	100 U	100 U					
2-Hexanone	11	44		47												
4-Methyl-2-Pentanone	2900	8200		2000												
Acetone	33000	92000		22000												
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045												
Benzene	5	5	5	0.41					20 U	20 U	20 U	0 U	0 U	0 U	0 U	0 U
Bromochloromethane	90	90														
Bromodichloromethane	80	80		0.12					20 U	20 U	20 U	0 U	0 U	0 U	0 U	0 U
Bromoform	80	80		8.5					20 U	20 U	20 U					
Bromomethane	10	10		8.7					50 U	50 U	50 U					
Carbon Disulfide	1500	6200		1000												
Carbon Tetrachloride	5	5	5	0.44					10 U	10 U	10 U	0 U	0 U	0 U	0 U	0 U
Chlorobenzene	100	100	100	91					10 U	10 U	10 U	0 U	0 U	0 U	0 U	0 U
Chlorodibromomethane	80	80		0.15					20 U	20 U	20 U					
Chloroethane	230	900		21000					10 U	10 U	10 U	0 U	0 U	0 U	0 U	0 U
Chloroform	80	80		0.19					10 U	10 U	10 U	0 U	0 U	0 U	0 U	0 U
Chloromethane	30	30		190					50 U	50 U	50 U					
cis-1,2-Dichloroethene	70	70	70	73								21	26	57	42	32
cis-1,3-Dichloropropene	6.6	26		0.43												
Ethylbenzene	700	700	700	1.5					10 U	10 U	10 U	0 U	0 U	0 U	0 U	0 U
Methyl tert-butyl ether	20	20		12												
Methylene chloride	5	5		4.8					20 U	20 U	20 U	0 U	0 U	0 U	0 U	0 U
Styrene	100	100	100	1600												
Tetrachloroethene	5	5	5	0.11	2	4	4	4	10 U	10 U	10 U	4.4	5.6	0 U	12	5.1
Toluene	1000	1000	1000	2300					20 U	20 U	20 U	0 U	0 U	0 U	0 U	0 U
Total VOCs												165.4	211.6	167	170	193.1
trans-1,2-Dichloroethene	100	100	100	110					10 U	10 U	10 U	0 U	0 U	0 U	0 U	0 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 2.4-3
Groundwater Data Summary - VOC 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 12/15/1994	CW-4 6/2/1995	CW-4 12/7/1995	CW-4 6/6/1996	CW-4 12/2/1996	CW-4 Dup 12/2/1996	CW-4 6/4/1997	CW-4 12/1/1998	CW-4 6/8/1999	CW-4 12/22/1999	CW-4 6/2/2000	CW-4 12/1/2000
trans-1,3-Dichloropropene	6.6	26		0.43												
Trichloroethene	5	5	5	2	220	350	170	210	180	190	200	140	180	110	116	156
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016					10 U	10 U	10 U	0 U	0 U	0 U	0 U	0 U
Xylenes (Total)	10000	10000	10000	200												

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 2.4-3
Groundwater Data Summary - VOC 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 6/8/2001	CW-4 12/7/2001	CW-4 6/14/2002	CW-4 12/6/2002	CW-4 6/9/2003	CW-4 12/5/2003	CW-4 6/4/2004	CW-4 12/10/2004	CW-4 6/13/2005	CW-4 12/9/2005	CW-4 6/20/2006	CW-4 6/27/2007
TOTAL VOC																
				31.66	355	356.8	328.6	259.8	312.6	147.6	156.5	140.7	116.8	152.7	114.2	59.1
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52												
1,1,1-Trichloroethane	200	200	200	9100	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067							1 U	1 U	1 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5	5	5	0.24	0 U	0 U	0 U	0 U	0 U	0 U	3 U	3 U	3 U	5 U	5 U	5 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1,2-Trichlorotrifluoroethane	63000	170000		59000												
1,1-Dichloroethane	31	160		2.4	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	7	7	7	340	0 U	0 U	0 U	0 U	0 U	0 U	2 U	2 U	2 U	5 U	5 U	5 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065												
1,2-Dichloroethane	5	5	5	0.15	0 U	0 U	0 U	0 U	0 U	0 U	2 U	2 U	2 U	5 U	5 U	5 U
1,2-Dichloroethene	70	70	70	330												
1,2-Dichloropropane	5	5	5	0.39							1 U	1 U	1 U	5 U	5 U	5 U
1,3-Dichloropropene	6.6	26		0.43												
1,4-Dioxane	6.4	32		0.67							1000 U	1000 U	1000 U	1000 U	1000 U	1000 U
2-Butanone	4000	4000		7100							5 U	5 U	5 U	25 U	5 U	5 U
2-Chloroethyl Vinyl Ether											5 U	5 U	5 U	10 U	10 U	10 U
2-Hexanone	11	44		47												
4-Methyl-2-Pentanone	2900	8200		2000												
Acetone	33000	92000		22000			0 U									
Acrolein	0.042	0.18		0.042							100 U	100 U	100 U	100 U	100 U	100 U
Acrylonitrile	0.72	3.7		0.045							50 U	50 U	50 U	100 U	100 U	100 U
Benzene	5	5	5	0.41	0 U	0 U	0 U	0 U	0 U	0 U	1 U	1 U	1 U	5 U	5 U	5 U
Bromochloromethane	90	90														
Bromodichloromethane	80	80		0.12	0 U	0 U	0 U	0 U	0 U	0 U	1 U	1 U	1 U	5 U	5 U	5 U
Bromoform	80	80		8.5							4 U	4 U	4 U	5 U	5 U	5 U
Bromomethane	10	10		8.7							5 U	5 U	5 U	5 U	5 U	5 U
Carbon Disulfide	1500	6200		1000			0 U									
Carbon Tetrachloride	5	5	5	0.44	0 U	0 U	0 U	0 U	0 U	0 U	2 U	2 U	2 U	5 U	5 U	5 U
Chlorobenzene	100	100	100	91	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorodibromomethane	80	80		0.15							5 U	5 U	5 U	5 U	5 U	5 U
Chloroethane	230	900		21000	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	80	80		0.19	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloromethane	30	30		190							5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	73	35	31	40	40			46	53	48	41	37	35
cis-1,3-Dichloropropene	6.6	26		0.43							5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	700	700	700	1.5	0 U	0 U	0 U	0 U	0 U	0 U	4 U	4 U	4 U	5 U	5 U	5 U
Methyl tert-butyl ether	20	20		12												
Methylene chloride	5	5		4.8	0 U	0 U	0 U	0 U	0 U	0 U	3 U	3 U	3 U	5 U	5 U	5 U
Styrene	100	100	100	1600												
Tetrachloroethene	5	5	5	0.11	5.8	5.5	4.4	4.3	6.9	6.3	5.8	5.5	6.7	5.8	5.7	6.2
Toluene	1000	1000	1000	2300	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U	5 U	5 U	5 U
Total VOCs					214.8	177.5	178.4	164.3	129.9	156.3						
trans-1,2-Dichloroethene	100	100	100	110	0 U	0 U	0 U	0 U	0 U	0 U	0.8 J	5 U	5 U	5 U	5 U	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 2.4-3
Groundwater Data Summary - VOC 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 6/8/2001	CW-4 12/7/2001	CW-4 6/14/2002	CW-4 12/6/2002	CW-4 6/9/2003	CW-4 12/5/2003	CW-4 6/4/2004	CW-4 12/10/2004	CW-4 6/13/2005	CW-4 12/9/2005	CW-4 6/20/2006	CW-4 6/27/2007
trans-1,3-Dichloropropene	6.6	26		0.43							5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5	5	5	2	174	141	134	120	123	150	95	98	86	70	110	73
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U	5 U	5 U	5 U
Xylenes (Total)	10000	10000	10000	200			0 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 2.4-3
Groundwater Data Summary - VOC 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 12/12/2007	CW-4 5/6/2008	CW-4 10/9/2008	CW-4 6/15/2009	CW-4 12/16/2009	CW-4 7/7/2010	CW-4 12/21/2010	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
TOTAL VOC																
				31.66	99.63	82.36	105.8	89.9	80.3	80.9	319	1120	890	445	270	217
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52		3 U	3 U	3 U	2 U	2 U	2 U					
1,1,1-Trichloroethane	200	200	200	9100	5 U	3 U	3 U	3 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	5 U	3 U	3 U	3 U	2 U	2 U	2 U	1 U	100 U	1 U	50 U	20 U
1,1,2-Trichloroethane	5	5	5	0.24	5 U	3 U	3 U	3 U	2 U	2 U	2 U	1 U	10 U	5 U	5 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300								1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorotrifluoroethane	63000	170000		59000												
1,1-Dichloroethane	31	160		2.4	5 U	3 U	3 U	3 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	5 U	3 U	3 U	3 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065		3 U	3 U	3 U	2 U	2 U	2 U					
1,2-Dichloroethane	5	5	5	0.15	5 U	3 U	3 U	3 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330												
1,2-Dichloropropane	5	5	5	0.39	5 U	3 U	3 U	3 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene	6.6	26		0.43												
1,4-Dioxane	6.4	32		0.67	1000 U	600 U	600 U	600 U	400 U	400 U	400 U					
2-Butanone	4000	4000		7100	5 U	30 U	30 U	30 U	20 U	20 U	20 U					
2-Chloroethyl Vinyl Ether					10 U							10 U	10 U	10 U	10 U	10 U
2-Hexanone	11	44		47		30 U	30 U	30 U	20 U	20 U	20 U					
4-Methyl-2-Pentanone	2900	8200		2000		30 U	30 U	30 U	20 U	20 U	20 U					
Acetone	33000	92000		22000		30 U	30 U	30 U	20 U	20 U	20 U					
Acrolein	0.042	0.18		0.042	100 U											
Acrylonitrile	0.72	3.7		0.045	100 U	60 U	60 U	60 U	40 U	40 U	40 U					
Benzene	5	5	5	0.41	5 U	3 U	3 U	3 U	2 U	2 U	2 U	20 U	20 U	5 U	10 U	5 U
Bromochloromethane	90	90				3 U	3 U	3 U	2 U	2 U	2 U					
Bromodichloromethane	80	80		0.12	5 U	3 U	3 U	3 U	2 U	2 U	2 U					
Bromoform	80	80		8.5	5 U	3 U	3 U	3 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bromomethane	10	10		8.7	5 U	3 U	3 U	3 U	2 U	2 U	2 U	5 U	5 U	5 U	5 U	5 U
Carbon Disulfide	1500	6200		1000		3 U	3 U	3 U	2 U	2.5	2 U					
Carbon Tetrachloride	5	5	5	0.44	5 U	3 U	3 U	3 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	91	5 U	3 U	3 U	3 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	5 U	3 U	3 U	3 U	2 U	2 U	2 U	2 U	20 U	10 U	10 U	2 U
Chloroethane	230	900		21000	5 U	3 U	3 U	3 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U
Chloroform	80	80		0.19	5 U	3 U	3 U	3 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	30	30		190	5 U	3 U	3 U	3 U	2 U	2 U	2 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	73	27	29	23	28	27	28	30	29	150	100	55	35
cis-1,3-Dichloropropene	6.6	26		0.43	5 U	3 U	3 U	3 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	5 U	3 U	3 U	3 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl ether	20	20		12		3 U	3 U	3 U	2 U	2 U	2 U					
Methylene chloride	5	5		4.8	5 U	0.63 J	0.96 J	3 U	2 U	1.5 J B	2.2	2 U	2 U	2 U	2 U	2 U
Styrene	100	100	100	1600		3 U	3 U	3 U	2 U	2 U	2 U					
Tetrachloroethene	5	5	5	0.11	1.1 J	4	4.4	5.8	4.9	4.3	4.7	40	320	280	130	55
Toluene	1000	1000	1000	2300	5 U	3 U	3 U	3 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Total VOCs																
trans-1,2-Dichloroethene	100	100	100	110	5 U	3 U	3 U	3 U	2 U	2 U	2 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 2.4-3
Groundwater Data Summary - VOC 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 12/12/2007	CW-4 5/6/2008	CW-4 10/9/2008	CW-4 6/15/2009	CW-4 12/16/2009	CW-4 7/7/2010	CW-4 12/21/2010	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
trans-1,3-Dichloropropene	6.6	26		0.43	5 U	3 U	3 U	3 U	2 U	2 U	2 U					
Trichloroethene	5	5	5	2	31	66	54	72	58	44	44	250	650	510	260	180
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	5 U	3 U	3 U	3 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U
Xylenes (Total)	10000	10000	10000	200		9 U	9 U	9 U	6 U	6 U	6 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 2.4-3
Groundwater Data Summary - VOC 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 2/7/1991	CW-5 3/6/1991	CW-5 4/24/1991	CW-5 1/30/1992	CW-5 6/11/1992	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
TOTAL VOC																
				31.66	171	172	143	183	279	179	68	172	172	48	263	112
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52												
1,1,1-Trichloroethane	200	200	200	9100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	5 U	10 U	5 U	5 U	5 U	5 U	1 U			1 U	
1,1,2-Trichloroethane	5	5	5	0.24	1 U	1 U	1 U	1 U	2 U	5 U	1 U	1 U			1 U	
1,1,2-Trichlorofluoromethane	2000	2000		1300	1 U	1 U	1 U	1 U	1 U	1 U	1 U					
1,1,2-Trichlorotrifluoroethane	63000	170000		59000												
1,1-Dichloroethane	31	160		2.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065												
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330												
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U			1 U	
1,3-Dichloropropene	6.6	26		0.43												
1,4-Dioxane	6.4	32		0.67												
2-Butanone	4000	4000		7100								1 U			10 U	
2-Chloroethyl Vinyl Ether					10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 U	
2-Hexanone	11	44		47								10 U			10 U	
4-Methyl-2-Pentanone	2900	8200		2000								10 U			10 U	
Acetone	33000	92000		22000								10 U			10 U	
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045												
Benzene	5	5	5	0.41	5 U	5 U	2 U	2 U	2 U	5 U	5 U	1 U			1 U	
Bromochloromethane	90	90														
Bromodichloromethane	80	80		0.12								1 U			1 U	
Bromoform	80	80		8.5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U			1 U	
Bromomethane	10	10		8.7	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U			2 U	
Carbon Disulfide	1500	6200		1000								1 U			1 U	
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U			1 U	
Chlorobenzene	100	100	100	91	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	2 U	2 U	2 U	2 U	5 U	10 U	5 U	1 U			1 U	
Chloroethane	230	900		21000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U			2 U	
Chloroform	80	80		0.19	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	30	30		190	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 U			2 U	
cis-1,2-Dichloroethene	70	70	70	73	32	28	29	47	52	68	42	19	59	38	8	11
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U			1 U	
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U			1 U	
Methyl tert-butyl ether	20	20		12												
Methylene chloride	5	5		4.8	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U			2 U	
Styrene	100	100	100	1600								1 U			1 U	
Tetrachloroethene	5	5	5	0.11	55	43	33	16	21	41	27	6	13	34	7	12
Toluene	1000	1000	1000	2300	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U			1 U	
Total VOCs																
trans-1,2-Dichloroethene	100	100	100	110								1 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 2.4-3
Groundwater Data Summary - VOC 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 2/7/1991	CW-5 3/6/1991	CW-5 4/24/1991	CW-5 1/30/1992	CW-5 6/11/1992	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
trans-1,3-Dichloropropene	6.6	26		0.43												
Trichloroethene	5	5	5	2	130	100	110	80	110	170	110	43	100	100	33	240
Vinyl Acetate	420	1800		410								10 U			10 U	
Vinyl Chloride	2	2	2	0.016	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U	2 U	1 U
Xylenes (Total)	10000	10000	10000	200								5 U			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 2.4-3
Groundwater Data Summary - VOC 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 7/11/1994	CW-5 12/15/1994	CW-5 6/2/1995	CW-5 12/7/1995	CW-5 6/6/1996	CW-5 12/2/1996	CW-5 6/4/1997	CW-5 12/1/1998	CW-5 6/8/1999	CW-5 12/22/1999	CW-5 6/2/2000	CW-5 12/1/2000	CW-5 6/8/2001
TOTAL VOC																	
				31.66	8	27	70	59	45	44	325	104	100.2	120.2	95.6	91.2	316.8
Volatile Organic Compound																	
1,1,1,2-Tetrachloroethane	70	70		0.52													
1,1,1-Trichloroethane	200	200	200	9100	1 U					1 U	1 U	0 U	0 U	0 U	0 U	0 U	0 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U					1 U	1 U						
1,1,2-Trichloroethane	5	5	5	0.24	1 U					1 U	1 U	0 U	0 U	0 U	0 U	0 U	0 U
1,1,2-Trichlorofluoromethane	2000	2000		1300													
1,1,2-Trichlorotrifluoroethane	63000	170000		59000													
1,1-Dichloroethane	31	160		2.4	1 U					1 U	1 U	0 U	0 U	0 U	0 U	0 U	0 U
1,1-Dichloroethene	7	7	7	340	1 U					1 U	1 U	0 U	0 U	0 U	0 U	0 U	0 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065													
1,2-Dichloroethane	5	5	5	0.15	1 U					1 U	1 U	0 U	0 U	0 U	0 U	0 U	0 U
1,2-Dichloroethene	70	70	70	330				20	16								
1,2-Dichloropropane	5	5	5	0.39	1 U					1 U	1 U						
1,3-Dichloropropene	6.6	26		0.43						1 U	1 U						
1,4-Dioxane	6.4	32		0.67													
2-Butanone	4000	4000		7100	10 U												
2-Chloroethyl Vinyl Ether					10 U					10 U	10 U						
2-Hexanone	11	44		47	10 U												
4-Methyl-2-Pentanone	2900	8200		2000	10 U												
Acetone	33000	92000		22000	10 U												
Acrolein	0.042	0.18		0.042													
Acrylonitrile	0.72	3.7		0.045													
Benzene	5	5	5	0.41	1 U					2 U	2 U	0 U	0 U	0 U	0 U	0 U	0 U
Bromochloromethane	90	90															
Bromodichloromethane	80	80		0.12	1 U					2 U	2 U	0 U	0 U	0 U	0 U	0 U	0 U
Bromoform	80	80		8.5	1 U					2 U	2 U						
Bromomethane	10	10		8.7	2 U					5 U	5 U						
Carbon Disulfide	1500	6200		1000	1 U												
Carbon Tetrachloride	5	5	5	0.44	1 U					1 U	1 U	0 U	0 U	0 U	0 U	0 U	0 U
Chlorobenzene	100	100	100	91	1 U					1 U	1 U	0 U	0 U	0 U	0 U	0 U	0 U
Chlorodibromomethane	80	80		0.15	1 U					2 U	2 U						
Chloroethane	230	900		21000	2 U					1 U	1 U	0 U	0 U	0 U	0 U	0 U	0 U
Chloroform	80	80		0.19	1 U					1 U	1 U	0 U	0 U	0 U	0 U	0 U	0 U
Chloromethane	30	30		190	2 U					5 U	5 U						
cis-1,2-Dichloroethene	70	70	70	73	30							72	16	23	12	20	11
cis-1,3-Dichloropropene	6.6	26		0.43	1 U												
Ethylbenzene	700	700	700	1.5	1 U					1 U	1 U	0 U	0 U	0 U	0 U	0 U	0 U
Methyl tert-butyl ether	20	20		12													
Methylene chloride	5	5		4.8	2 U					2 U	2 U	0 U	0 U	0 U	0 U	0 U	0 U
Styrene	100	100	100	1600	1 U												
Tetrachloroethene	5	5	5	0.11	15	5	6	11	8	7	9	11	7	6.1	9.1	4.8	6.6
Toluene	1000	1000	1000	2300	1 U					2 U	2 U	0 U	0 U	0 U	0 U	0 U	0 U
Total VOCs												162.5	52	50.1	60.1	47.8	45.6
trans-1,2-Dichloroethene	100	100	100	110	1 U					1 U	1 U	1.5	0 U	0 U	0 U	0 U	0 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 2.4-3
Groundwater Data Summary - VOC 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 7/11/1994	CW-5 12/15/1994	CW-5 6/2/1995	CW-5 12/7/1995	CW-5 6/6/1996	CW-5 12/2/1996	CW-5 6/4/1997	CW-5 12/1/1998	CW-5 6/8/1999	CW-5 12/22/1999	CW-5 6/2/2000	CW-5 12/1/2000	CW-5 6/8/2001
trans-1,3-Dichloropropene	6.6	26		0.43	1 U												
Trichloroethene	5	5	5	2	67	3	21	39	35	38	35	78	29	21	39	23	28
Vinyl Acetate	420	1800		410	10 U												
Vinyl Chloride	2	2	2	0.016	2 U					1 U	1 U	0 U	0 U	0 U	0 U	0 U	0 U
Xylenes (Total)	10000	10000	10000	200	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 2.4-3
Groundwater Data Summary - VOC 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 12/7/2001	CW-5 6/14/2002	CW-5 12/6/2002	CW-5 6/9/2003	CW-5 12/5/2003	CW-5 6/4/2004	CW-5 12/10/2004	CW-5 6/13/2005	CW-5 12/9/2005	CW-5 6/20/2006	CW-5 6/19/2007	CW-5 12/12/2007	CW-5 5/6/2008
TOTAL VOC																	
				31.66	75.2	45.8	131.2	23.6	37.3	98	191	5.6	52.9	18.1	18.8	3.43	47.7
Volatile Organic Compound																	
1,1,1,2-Tetrachloroethane	70	70		0.52													1 U
1,1,1-Trichloroethane	200	200	200	9100	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067						1 U	1 U	1 U	1 U	5 U	5 U	5 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	0 U	0 U	0 U	0 U	0 U	3 U	3 U	3 U	1 U	5 U	5 U	5 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300													
1,1,2-Trichlorotrifluoroethane	63000	170000		59000													
1,1-Dichloroethane	31	160		2.4	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	1 U
1,1-Dichloroethene	7	7	7	340	0 U	0 U	0 U	0 U	0 U	2 U	2 U	2 U	1 U	5 U	5 U	5 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065													1 U
1,2-Dichloroethane	5	5	5	0.15	0 U	0 U	0 U	0 U	0 U	2 U	2 U	2 U	1 U	5 U	5 U	5 U	1 U
1,2-Dichloroethene	70	70	70	330													
1,2-Dichloropropane	5	5	5	0.39						1 U	1 U	1 U	1 U	5 U	5 U	5 U	1 U
1,3-Dichloropropene	6.6	26		0.43													
1,4-Dioxane	6.4	32		0.67						1000 U	1000 U	1000 U	200 U	1000 U	1000 U	1000 U	200 U
2-Butanone	4000	4000		7100						5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
2-Chloroethyl Vinyl Ether										5 U	5 U	5 U	2 U	10 U	10 U	10 U	
2-Hexanone	11	44		47													10 U
4-Methyl-2-Pentanone	2900	8200		2000													10 U
Acetone	33000	92000		22000		0 U											10 U
Acrolein	0.042	0.18		0.042						100 U	100 U	100 U	20 U	100 U	100 U	100 U	
Acrylonitrile	0.72	3.7		0.045						50 U	50 U	50 U	20 U	100 U	100 U	100 U	20 U
Benzene	5	5	5	0.41	0 U	0 U	0 U	0 U	0 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	1 U
Bromochloromethane	90	90															1 U
Bromodichloromethane	80	80		0.12	0 U	0 U	0 U	0 U	0 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	1 U
Bromoform	80	80		8.5						4 U	4 U	4 U	1 U	5 U	5 U	5 U	1 U
Bromomethane	10	10		8.7						5 U	5 U	5 U	1 U	5 U	5 U	5 U	1 U
Carbon Disulfide	1500	6200		1000		0 U											1 U
Carbon Tetrachloride	5	5	5	0.44	0 U	0 U	0 U	0 U	0 U	2 U	2 U	2 U	1 U	5 U	5 U	5 U	1 U
Chlorobenzene	100	100	100	91	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	1 U
Chlorodibromomethane	80	80		0.15						5 U	5 U	5 U	1 U	5 U	5 U	5 U	1 U
Chloroethane	230	900		21000	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	1 U
Chloroform	80	80		0.19	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U	0.1 J	5 U	5 U	5 U	0.17 J
Chloromethane	30	30		190						5 U	5 U	5 U	1 U	5 U	5 U	5 U	1 U
cis-1,2-Dichloroethene	70	70	70	73	59	7.6	3.1			7.3	23	31	2	17	6.4	9	0.46 J
cis-1,3-Dichloropropene	6.6	26		0.43						5 U	5 U	5 U	1 U	5 U	5 U	5 U	1 U
Ethylbenzene	700	700	700	1.5	0 U	0 U	0 U	0 U	0 U	4 U	4 U	4 U	1 U	5 U	5 U	5 U	1 U
Methyl tert-butyl ether	20	20		12													1 U
Methylene chloride	5	5		4.8	0 U	0 U	0 U	0 U	0 U	3 U	3 U	3 U	1 U	5 U	5 U	5 U	1 U
Styrene	100	100	100	1600													1 U
Tetrachloroethene	5	5	5	0.11	13	0 U	2.8	5.3	5.3	18	46	110	1.4	5.9	4.1 J	2.3 J	1.7
Toluene	1000	1000	1000	2300	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	1 U
Total VOCs					158.4	37.6	22.9	65.6	11.8								
trans-1,2-Dichloroethene	100	100	100	110	1.4	0 U	0 U	0 U	0 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	1 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 2.4-3
Groundwater Data Summary - VOC 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 12/7/2001	CW-5 6/14/2002	CW-5 12/6/2002	CW-5 6/9/2003	CW-5 12/5/2003	CW-5 6/4/2004	CW-5 12/10/2004	CW-5 6/13/2005	CW-5 12/9/2005	CW-5 6/20/2006	CW-5 6/19/2007	CW-5 12/12/2007	CW-5 5/6/2008
trans-1,3-Dichloropropene	6.6	26		0.43						5 U	5 U	5 U	1 U	5 U	5 U	5 U	1 U
Trichloroethene	5	5	5	2	85	30	17	60.3	6.5	12	29	50	2.1	30	7.6	7.5	1.1
Vinyl Acetate	420	1800		410													
Vinyl Chloride	2	2	2	0.016	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	1 U
Xylenes (Total)	10000	10000	10000	200		0 U											3 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 2.4-3
Groundwater Data Summary - VOC 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 10/9/2008	CW-5 6/15/2009	CW-5 12/16/2009	CW-5 7/7/2010	CW-5 12/21/2010	CW-6 8/2/1989	CW-6 11/13/1990	CW-6 11/15/1990	CW-6 12/5/1990	CW-6 1/14/1991	CW-6 2/7/1991	CW-6 3/6/1991
TOTAL VOC																
				31.66	10.82	8.2	30.39	14.2	980	844	1060	447	832	2110	599	670
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52	1 U	1 U	1 U	1 U	1 U							
1,1,1-Trichloroethane	200	200	200	9100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	1 U	1 U	1 U	50 U	1 U	1 U	50 U	200 U	200 U	50 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	1 U	1 U	1 U	1 U	10 U	5 U	10 U	5 U	1 U	10 U	2 U
1,1,2-Trichlorofluoromethane	2000	2000		1300						1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorotrifluoroethane	63000	170000		59000												
1,1-Dichloroethane	31	160		2.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	1 U	1 U	1 U	1 U	1 U							
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330												
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene	6.6	26		0.43												
1,4-Dioxane	6.4	32		0.67	200 U	200 U	200 U	200 U	200 U							
2-Butanone	4000	4000		7100	10 U	10 U	10 U	10 U	10 U							
2-Chloroethyl Vinyl Ether										10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	11	44		47	10 U	10 U	10 U	10 U	10 U							
4-Methyl-2-Pentanone	2900	8200		2000	10 U	10 U	10 U	10 U	10 U							
Acetone	33000	92000		22000	10 U	10 U	10 U	10 U	10 U							
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045	20 U	20 U	20 U	20 U	20 U							
Benzene	5	5	5	0.41	1 U	1 U	1 U	1 U	1 U	2 U	50 U	5 U	10 U	20 U	50 U	10 U
Bromochloromethane	90	90			1 U	1 U	1 U	1 U	1 U							
Bromodichloromethane	80	80		0.12	1 U	1 U	1 U	1 U	1 U							
Bromoform	80	80		8.5	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bromomethane	10	10		8.7	1 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Disulfide	1500	6200		1000	1 U	1 U	1 U	0.49 J B	1 U							
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	91	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	1 U	1 U	1 U	1 U	1 U	20 U	10 U	20 U	10 U	2 U	20 U	5 U
Chloroethane	230	900		21000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	80	80		0.19	1 U	0.22 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	30	30		190	1 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	73	14	3.6	1.5	5	5.4	90	64	100	47	72	180	69
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl ether	20	20		12	1 U	1 U	1 U	1 U	1 U							
Methylene chloride	5	5		4.8	1 U	1 U	1 U	1 U	0.2 J	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Styrene	100	100	100	1600	1 U	1 U	1 U	1 U	1 U							
Tetrachloroethene	5	5	5	0.11	1.7	3.2	4	17	3.6	290	220	280	170	390	960	240
Toluene	1000	1000	1000	2300	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Total VOCs																
trans-1,2-Dichloroethene	100	100	100	110	1 U	1 U	1 U	1 U	1 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 2.4-3
Groundwater Data Summary - VOC 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 10/9/2008	CW-5 6/15/2009	CW-5 12/16/2009	CW-5 7/7/2010	CW-5 12/21/2010	CW-6 8/2/1989	CW-6 11/13/1990	CW-6 11/15/1990	CW-6 12/5/1990	CW-6 1/14/1991	CW-6 2/7/1991	CW-6 3/6/1991
trans-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	1 U	1 U							
Trichloroethene	5	5	5	2	32	3.8	2.7	7.9 B	5	600	560	680	230	370	970	290
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes (Total)	10000	10000	10000	200	3 U	3 U	3 U	3 U	3 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 2.4-3
Groundwater Data Summary - VOC 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 4/24/1991	CW-6 1/30/1992	CW-6 6/11/1992	CW-6 9/24/1992	CW-6 12/18/1992	CW-6 6/21/1993	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	CW-6 12/15/1994
TOTAL VOC																
				31.66	388	542	650	134	372	118	525	480	528	278	810	853
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52												
1,1,1-Trichloroethane	200	200	200	9100	1 U	1 U	2	1 U			1 U	1 U	5 U	1 U	2 U	
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	50 U	1 U	20 U	50 U					5 U		2 U	
1,1,2-Trichloroethane	5	5	5	0.24	5 U	2 U	2 U	5 U					5 U		2 U	
1,1,2-Trichlorofluoromethane	2000	2000		1300	1 U	1 U	1 U	1 U								
1,1,2-Trichlorotrifluoroethane	63000	170000		59000												
1,1-Dichloroethane	31	160		2.4	1 U	1 U	1 U	1 U			1 U	1 U	5 U	1 U	2 U	
1,1-Dichloroethene	7	7	7	340	1 U	1 U	1 U	1 U			1 U	1 U	5 U	1 U	2 U	
1,2-Dibromoethane	0.05	0.05	0.05	0.0065												
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	1 U	1 U			1 U	1 U	5 U	1 U	2 U	
1,2-Dichloroethene	70	70	70	330												90
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U					5 U		2 U	
1,3-Dichloropropene	6.6	26		0.43												
1,4-Dioxane	6.4	32		0.67												
2-Butanone	4000	4000		7100									50 U		20 U	
2-Chloroethyl Vinyl Ether					10 U	10 U	10 U	10 U					50 U		20 U	
2-Hexanone	11	44		47									50 U		20 U	
4-Methyl-2-Pentanone	2900	8200		2000									50 U		20 U	
Acetone	33000	92000		22000									50 U		20 U	
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045												
Benzene	5	5	5	0.41	20 U	5 U	5 U	5 U					5 U		2 U	
Bromochloromethane	90	90														
Bromodichloromethane	80	80		0.12									5 U		2 U	
Bromoform	80	80		8.5	2 U	2 U	2 U	2 U					5 U		2 U	
Bromomethane	10	10		8.7	5 U	5 U	5 U	5 U					10 U		4 U	
Carbon Disulfide	1500	6200		1000									5 U		2 U	
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	1 U	1 U					5 U		2 U	
Chlorobenzene	100	100	100	91	1 U	1 U	1 U	1 U			1 U	1 U	5 U	1 U	2 U	
Chlorodibromomethane	80	80		0.15	10 U	5 U	5 U	10 U					5 U		2 U	
Chloroethane	230	900		21000	1 U	1 U	1 U	1 U					10 U		4 U	
Chloroform	80	80		0.19	1 U	1 U	2 U	5 U			1 U	1 U	5 U	1 U	2 U	
Chloromethane	30	30		190	5 U	5 U	5 U	5 U					10 U		4 U	
cis-1,2-Dichloroethene	70	70	70	73	70	78	90	100	21	52	10	95	100	88	58	
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	1 U					5 U		2 U	
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	1 U					5 U		2 U	
Methyl tert-butyl ether	20	20		12												
Methylene chloride	5	5		4.8	2 U	2 U	2 U	2 U					10 U		4 U	
Styrene	100	100	100	1600									5 U		2 U	
Tetrachloroethene	5	5	5	0.11	290	130	200	270	31	120	30	220	190	240	110	410
Toluene	1000	1000	1000	2300	2 U	2 U	2 U	2 U					5 U		2 U	
Total VOCs																
trans-1,2-Dichloroethene	100	100	100	110											2 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 2.4-3
Groundwater Data Summary - VOC 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 4/24/1991	CW-6 1/30/1992	CW-6 6/11/1992	CW-6 9/24/1992	CW-6 12/18/1992	CW-6 6/21/1993	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	CW-6 12/15/1994
trans-1,3-Dichloropropene	6.6	26		0.43											2 U	
Trichloroethene	5	5	5	2	310	180	250	280	82	200	78	210	190	200	110	310
Vinyl Acetate	420	1800		410									50 U		20 U	
Vinyl Chloride	2	2	2	0.016	1 U	1 U	1 U	1 U			1 U	1 U	10 U	1 U	4 U	
Xylenes (Total)	10000	10000	10000	200									25 U		10 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 2.4-3
Groundwater Data Summary - VOC 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 6/2/1995	CW-6 12/7/1995	CW-6 6/6/1996	CW-6 12/2/1996	CW-6 6/4/1997	CW-6 12/1/1998	CW-6 6/8/1999	CW-6 12/22/1999	CW-6 6/2/2000	CW-6 12/1/2000	CW-6 6/8/2001	CW-6 12/7/2001
TOTAL VOC																
				31.66	204	458	310	110	352	526	558	1138	448	650	326	466
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52												
1,1,1-Trichloroethane	200	200	200	9100				10 U	10 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067				10 U	10 U							
1,1,2-Trichloroethane	5	5	5	0.24				10 U	10 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1,2-Trichlorotrifluoroethane	63000	170000		59000												
1,1-Dichloroethane	31	160		2.4				10 U	10 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
1,1-Dichloroethene	7	7	7	340				10 U	10 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065												
1,2-Dichloroethane	5	5	5	0.15				10 U	10 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
1,2-Dichloroethene	70	70	70	330	83	42	78									
1,2-Dichloropropane	5	5	5	0.39				10 U	10 U							
1,3-Dichloropropene	6.6	26		0.43				10 U	10 U							
1,4-Dioxane	6.4	32		0.67												
2-Butanone	4000	4000		7100												
2-Chloroethyl Vinyl Ether								100 U	100 U							
2-Hexanone	11	44		47												
4-Methyl-2-Pentanone	2900	8200		2000												
Acetone	33000	92000		22000												
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045												
Benzene	5	5	5	0.41				20 U	20 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Bromochloromethane	90	90														
Bromodichloromethane	80	80		0.12				20 U	20 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Bromoform	80	80		8.5				20 U	20 U							
Bromomethane	10	10		8.7				50 U	50 U							
Carbon Disulfide	1500	6200		1000												
Carbon Tetrachloride	5	5	5	0.44				10 U	10 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Chlorobenzene	100	100	100	91				10 U	10 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Chlorodibromomethane	80	80		0.15				20 U	20 U							
Chloroethane	230	900		21000				10 U	10 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Chloroform	80	80		0.19				10 U	10 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Chloromethane	30	30		190				50 U	50 U							
cis-1,2-Dichloroethene	70	70	70	73						59	68	59	59	55	69	50
cis-1,3-Dichloropropene	6.6	26		0.43												
Ethylbenzene	700	700	700	1.5				10 U	10 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Methyl tert-butyl ether	20	20		12												
Methylene chloride	5	5		4.8				20 U	20 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Styrene	100	100	100	1600												
Tetrachloroethene	5	5	5	0.11	460	52	210	180	10 U	43	101	120	393	102	164	71
Toluene	1000	1000	1000	2300				20 U	20 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Total VOCs										176	263	279	569	224	325	163
trans-1,2-Dichloroethene	100	100	100	110				10 U	10 U	0 U	0 U	0 U	0 U	0 U	0 U	0 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 2.4-3
Groundwater Data Summary - VOC 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 6/2/1995	CW-6 12/7/1995	CW-6 6/6/1996	CW-6 12/2/1996	CW-6 6/4/1997	CW-6 12/1/1998	CW-6 6/8/1999	CW-6 12/22/1999	CW-6 6/2/2000	CW-6 12/1/2000	CW-6 6/8/2001	CW-6 12/7/2001
trans-1,3-Dichloropropene	6.6	26		0.43												
Trichloroethene	5	5	5	2	310	110	170	130	110	74	94	100	117	67	92	42
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016				10 U	10 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Xylenes (Total)	10000	10000	10000	200												

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 2.4-3
Groundwater Data Summary - VOC 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 6/14/2002	CW-6 12/6/2002	CW-6 6/9/2003	CW-6 12/5/2003	CW-6 6/4/2004	CW-6 12/9/2005	CW-6 6/20/2006	CW-6 6/19/2007	CW-6 12/12/2007	CW-6 5/6/2008	CW-6 10/9/2008	CW-6 6/16/2009
TOTAL VOC																
				31.66	478	595.2	522.4	310	285	206	256	156	130	121	112.72	62.3
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52										2 U	2 U	2 U
1,1,1-Trichloroethane	200	200	200	9100	0 U	0 U	0 U	0 U	5 U	8 U	5 U	5 U	5 U	2 U	2 U	2 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067					1 U	8 U	5 U	5 U	5 U	2 U	2 U	2 U
1,1,2-Trichloroethane	5	5	5	0.24	0 U	0 U	0 U	0 U	3 U	8 U	5 U	5 U	5 U	2 U	2 U	2 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1,2-Trichlorotrifluoroethane	63000	170000		59000												
1,1-Dichloroethane	31	160		2.4	0 U	0 U	0 U	0 U	5 U	8 U	5 U	5 U	5 U	2 U	2 U	2 U
1,1-Dichloroethene	7	7	7	340	0 U	0 U	0 U	0 U	2 U	8 U	5 U	5 U	5 U	2 U	2 U	2 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065										2 U	2 U	2 U
1,2-Dichloroethane	5	5	5	0.15	0 U	0 U	0 U	0 U	2 U	8 U	5 U	5 U	5 U	2 U	2 U	2 U
1,2-Dichloroethene	70	70	70	330												
1,2-Dichloropropane	5	5	5	0.39					1 U	8 U	5 U	5 U	5 U	2 U	2 U	2 U
1,3-Dichloropropene	6.6	26		0.43												
1,4-Dioxane	6.4	32		0.67					1000 U	1600 U	1000 U	1000 U	1000 U	400 U	400 U	400 U
2-Butanone	4000	4000		7100					5 U	40 U	5 U	5 U	5 U	20 U	20 U	20 U
2-Chloroethyl Vinyl Ether									5 U	16 U	10 U	10 U	10 U			
2-Hexanone	11	44		47										20 U	20 U	20 U
4-Methyl-2-Pentanone	2900	8200		2000										20 U	20 U	20 U
Acetone	33000	92000		22000	0 U									20 U	20 U	20 U
Acrolein	0.042	0.18		0.042					100 U	160 U	100 U	100 U	100 U			
Acrylonitrile	0.72	3.7		0.045					50 U	160 U	100 U	100 U	100 U	40 U	40 U	40 U
Benzene	5	5	5	0.41	0 U	0 U	0 U	0 U	1 U	8 U	5 U	5 U	5 U	2 U	2 U	2 U
Bromochloromethane	90	90												2 U	2 U	2 U
Bromodichloromethane	80	80		0.12	0 U	0 U	0 U	0 U	1 U	8 U	5 U	5 U	5 U	2 U	2 U	2 U
Bromoform	80	80		8.5					4 U	8 U	5 U	5 U	5 U	2 U	2 U	2 U
Bromomethane	10	10		8.7					5 U	8 U	5 U	5 U	5 U	2 U	2 U	2 U
Carbon Disulfide	1500	6200		1000	0 U									2 U	2 U	2 U
Carbon Tetrachloride	5	5	5	0.44	0 U	0 U	0 U	0 U	2 U	8 U	5 U	5 U	5 U	2 U	2 U	2 U
Chlorobenzene	100	100	100	91	0 U	0 U	0 U	0 U	5 U	8 U	5 U	5 U	5 U	2 U	2 U	2 U
Chlorodibromomethane	80	80		0.15					5 U	8 U	5 U	5 U	5 U	2 U	2 U	2 U
Chloroethane	230	900		21000	0 U	0 U	0 U	0 U	5 U	8 U	5 U	5 U	5 U	2 U	2 U	2 U
Chloroform	80	80		0.19	0 U	0 U	0 U	0 U	5 U	8 U	5 U	5 U	5 U	2 U	2 U	2 U
Chloromethane	30	30		190					5 U	8 U	5 U	5 U	5 U	2 U	2 U	2 U
cis-1,2-Dichloroethene	70	70	70	73	66	61			52	60	54	53	62	38	33	30
cis-1,3-Dichloropropene	6.6	26		0.43					5 U	8 U	5 U	5 U	5 U	2 U	2 U	2 U
Ethylbenzene	700	700	700	1.5	0 U	0 U	0 U	0 U	4 U	8 U	5 U	5 U	5 U	2 U	2 U	2 U
Methyl tert-butyl ether	20	20		12										2 U	2 U	2 U
Methylene chloride	5	5		4.8	0 U	0 U	0 U	0 U	3 U	8 U	5 U	5 U	5 U	2 U	2 U	0.72 J B
Styrene	100	100	100	1600										2 U	2 U	2 U
Tetrachloroethene	5	5	5	0.11	104	117	216	176	200	170	110	160	63	70	69	64
Toluene	1000	1000	1000	2300	0 U	0 U	0 U	0 U	5 U	8 U	5 U	5 U	5 U	2 U	2 U	2 U
Total VOCs					233	239	297.6	261.2								
trans-1,2-Dichloroethene	100	100	100	110	0 U	0 U	0 U	0 U	5 U	8 U	5 U	5 U	5 U	2 U	2 U	2 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 2.4-3
Groundwater Data Summary - VOC 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 6/14/2002	CW-6 12/6/2002	CW-6 6/9/2003	CW-6 12/5/2003	CW-6 6/4/2004	CW-6 12/9/2005	CW-6 6/20/2006	CW-6 6/19/2007	CW-6 12/12/2007	CW-6 5/6/2008	CW-6 10/9/2008	CW-6 6/16/2009
trans-1,3-Dichloropropene	6.6	26		0.43					5 U	8 U	5 U	5 U	5 U	2 U	2 U	2 U
Trichloroethene	5	5	5	2	63	61	81.6	85.2	58	55	42	43	31	22	19	18
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	0 U	0 U	0 U	0 U	5 U	8 U	5 U	5 U	5 U	2 U	2 U	2 U
Xylenes (Total)	10000	10000	10000	200	0 U									6 U	6 U	6 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 2.4-3
Groundwater Data Summary - VOC 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 1/13/2010	CW-6 7/7/2010	CW-6 12/21/2010	CW-7 8/1/1989	CW-7 11/14/1990
TOTAL VOC									
				31.66	71.8	139.2	498	7	
Volatile Organic Compound									
1,1,1,2-Tetrachloroethane	70	70		0.52	1 U	2 U	5 U		
1,1,1-Trichloroethane	200	200	200	9100	1 U	2 U	5 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	2 U	5 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	2 U	5 U	5 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300				1 U	1 U
1,1,2-Trichlorotrifluoroethane	63000	170000		59000					
1,1-Dichloroethane	31	160		2.4	1 U	2 U	5 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	1 U	2 U	5 U	1 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	1 U	2 U	5 U		
1,2-Dichloroethane	5	5	5	0.15	1 U	2 U	5 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330					
1,2-Dichloropropane	5	5	5	0.39	1 U	2 U	5 U	1 U	1 U
1,3-Dichloropropene	6.6	26		0.43					
1,4-Dioxane	6.4	32		0.67	200 U	400 U	1000 U		
2-Butanone	4000	4000		7100	10 U	20 U	50 U		
2-Chloroethyl Vinyl Ether								10 U	10 U
2-Hexanone	11	44		47	10 U	20 U	50 U		
4-Methyl-2-Pentanone	2900	8200		2000	10 U	20 U	50 U		
Acetone	33000	92000		22000	3.2 J	20 U	50 U		
Acrolein	0.042	0.18		0.042					
Acrylonitrile	0.72	3.7		0.045	20 U	40 U	100 U		
Benzene	5	5	5	0.41	1 U	2 U	5 U	2 U	2 U
Bromochloromethane	90	90			1 U	2 U	5 U		
Bromodichloromethane	80	80		0.12	1 U	2 U	5 U		
Bromoform	80	80		8.5	1 U	2 U	5 U	2 U	2 U
Bromomethane	10	10		8.7	1 U	2 U	5 U	5 U	5 U
Carbon Disulfide	1500	6200		1000	1 U	4.1	5 U		
Carbon Tetrachloride	5	5	5	0.44	1 U	2 U	5 U	1 U	1 U
Chlorobenzene	100	100	100	91	1 UJ	2 U	5 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	1 U	2 U	5 U	10 U	2 U
Chloroethane	230	900		21000	1 U	2 U	5 U	1 U	1 U
Chloroform	80	80		0.19	1 U	2 U	5 U	1 U	1 U
Chloromethane	30	30		190	1 U	2 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	73	19	15	36	5	1 U
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	2 U	5 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	1 U	2 U	5 U	1 U	1 U
Methyl tert-butyl ether	20	20		12	1 U	2 U	5 U		
Methylene chloride	5	5		4.8	1 U	1.4 J B	6.2	2 U	2 U
Styrene	100	100	100	1600	1 U	2 U	5 U		
Tetrachloroethene	5	5	5	0.11	32	42	76	3	1 U
Toluene	1000	1000	1000	2300	1 U	2 U	5 U	2 U	2 U
Total VOCs									
trans-1,2-Dichloroethene	100	100	100	110	0.2 J	2 U	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 2.4-3
Groundwater Data Summary - VOC 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 1/13/2010	CW-6 7/7/2010	CW-6 12/21/2010	CW-7 8/1/1989	CW-7 11/14/1990
trans-1,3-Dichloropropene	6.6	26		0.43	1 U	2 U	5 U		
Trichloroethene	5	5	5	2	7.9 J	9.3	21	490	7
Vinyl Acetate	420	1800		410					
Vinyl Chloride	2	2	2	0.016	1 U	2 U	5 U	1 U	1 U
Xylenes (Total)	10000	10000	10000	200	3 U	6 U	15 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 2.4-3
Groundwater Data Summary - VOC 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 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	CW-7 12/18/1992	CW-7 6/21/1993	CW-7 8/30/1993
TOTAL VOC																
				120	252	342	231	262	211	313	434	500	418	260	303	274
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52												
1,1,1-Trichloroethane	200	200	200	9100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	
1,1,2-Trichloroethane	5	5	5	0.24	1 U	5 U	1 U	1 U	2 U	5 U	5 U	5 U	5 U	5 U	2 U	
1,1,2-Trichlorofluoromethane	2000	2000		1300	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
1,1,2-Trichlorotrifluoroethane	63000	170000		59000												
1,1-Dichloroethane	31	160		2.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U
1,1-Dichloroethene	7	7	7	340	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065												
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U
1,2-Dichloroethene	70	70	70	330												
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.43												
1,4-Dioxane	6.4	32		0.67												
2-Butanone	4000	4000		7100											20 U	
2-Chloroethyl Vinyl Ether					10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	
2-Hexanone	11	44		47											20 U	
4-Methyl-2-Pentanone	2900	8200		2000											20 U	
Acetone	33000	92000		22000											2 U	
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045												
Benzene	5	5	5	0.41	2 U	10 U	20 U	10 U	10 U	2 U	10 U	10 U	10 U	10 U	2 U	
Bromochloromethane	90	90														
Bromodichloromethane	80	80		0.12											2 U	
Bromoform	80	80		8.5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	
Bromomethane	10	10		8.7	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4 U	
Carbon Disulfide	1500	6200		1000											2 U	
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	
Chlorobenzene	100	100	100	91	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U
Chlorodibromomethane	80	80		0.15	2 U	10 U	2 U	2 U	5 U	10 U	10 U	10 U	10 U	10 U	2 U	
Chloroethane	230	900		21000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	
Chloroform	80	80		0.19	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U
Chloromethane	30	30		190	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4 U	
cis-1,2-Dichloroethene	70	70	70	73	1 U	2	2	1	2	1	3	4	5	7	2 U	3
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	
Methyl tert-butyl ether	20	20		12												
Methylene chloride	5	5		4.8	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	5	2 U	2 U	
Styrene	100	100	100	1600											2 U	
Tetrachloroethene	5	5	5	0.11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1	1 U	1 U
Toluene	1000	1000	1000	2300	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	
Total VOCs																

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 2.4-3
Groundwater Data Summary - VOC 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 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	CW-7 12/18/1992	CW-7 6/21/1993	CW-7 8/30/1993
trans-1,2-Dichloroethene	100	100	100	110											2 U	
trans-1,3-Dichloropropene	6.6	26		0.43												
Trichloroethene	5	5	5	2	120	250	340	230	260	210	310	430	490	410	260	300
Vinyl Acetate	420	1800		410											20 U	
Vinyl Chloride	2	2	2	0.016	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	200											10 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 2.4-3
Groundwater Data Summary - VOC 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 12/1/1993	CW-7 1/26/1994	CW-7 4/5/1994	CW-7 7/11/1994	CW-7 12/15/1994	CW-7 12/15/1994	CW-7 6/2/1995	CW-7 6/2/1995	CW-7 12/7/1995	CW-7 6/6/1996	CW-7 6/6/1996	CW-7 12/2/1996
TOTAL VOC																
				120	200	679	170	181	181	190	190	261	140	140	100	86
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52												
1,1,1-Trichloroethane	200	200	200	9100	1 U	5 U	1 U	2 U								10 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067		5 U		2 U								10 U
1,1,2-Trichloroethane	5	5	5	0.24		5 U		2 U								10 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1,2-Trichlorotrifluoroethane	63000	170000		59000												
1,1-Dichloroethane	31	160		2.4	1 U	5 U	1 U	2 U								10 U
1,1-Dichloroethene	7	7	7	340	1 U	5 U	1 U	2 U								10 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065												
1,2-Dichloroethane	5	5	5	0.15	1 U	5 U	1 U	2 U								10 U
1,2-Dichloroethene	70	70	70	330					1	1			1			
1,2-Dichloropropane	5	5	5	0.39		5 U		2 U								10 U
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.43												10 U
1,4-Dioxane	6.4	32		0.67												
2-Butanone	4000	4000		7100		50 U		20 U								
2-Chloroethyl Vinyl Ether						50 U		20 U								100 U
2-Hexanone	11	44		47		50 U		20 U								
4-Methyl-2-Pentanone	2900	8200		2000		50 U		20 U								
Acetone	33000	92000		22000		50 U		20 U								
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045												
Benzene	5	5	5	0.41		5 U		2 U								20 U
Bromochloromethane	90	90														
Bromodichloromethane	80	80		0.12		5 U		2 U								20 U
Bromoform	80	80		8.5		5 U		2 U								20 U
Bromomethane	10	10		8.7		10 U		4 U								50 U
Carbon Disulfide	1500	6200		1000		5 U		2 U								
Carbon Tetrachloride	5	5	5	0.44		5 U		2 U								10 U
Chlorobenzene	100	100	100	91	1 U	5 U	1 U	2 U								10 U
Chlorodibromomethane	80	80		0.15		5 U		2 U								20 U
Chloroethane	230	900		21000		10 U		4 U								10 U
Chloroform	80	80		0.19	1 U	5 U	1 U	2 U								10 U
Chloromethane	30	30		190		10 U		4 U								50 U
cis-1,2-Dichloroethene	70	70	70	73	3	5 U	6	2 U								
cis-1,3-Dichloropropene	6.6	26		0.43		5 U		2 U								
Ethylbenzene	700	700	700	1.5		5 U		2 U								10 U
Methyl tert-butyl ether	20	20		12												
Methylene chloride	5	5		4.8		10 U		4 U								20 U
Styrene	100	100	100	1600		5 U		2 U								
Tetrachloroethene	5	5	5	0.11	1	5 U	3	2 U								10 U
Toluene	1000	1000	1000	2300		5 U		2 U								20 U
Total VOCs																

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 2.4-3
Groundwater Data Summary - VOC 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 12/1/1993	CW-7 1/26/1994	CW-7 4/5/1994	CW-7 7/11/1994	CW-7 12/15/1994	CW-7 12/15/1994	CW-7 6/2/1995	CW-7 6/2/1995	CW-7 12/7/1995	CW-7 6/6/1996	CW-7 6/6/1996	CW-7 12/2/1996
trans-1,2-Dichloroethene	100	100	100	110												10 U
trans-1,3-Dichloropropene	6.6	26		0.43												
Trichloroethene	5	5	5	2	270	200	670	170	180	180	190	190	260	140	140	100
Vinyl Acetate	420	1800		410		50 U		20 U								
Vinyl Chloride	2	2	2	0.016	1 U	10 U	1 U	4 U								10 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	200		25 U		10 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 2.4-3
Groundwater Data Summary - VOC 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 6/4/1997	CW-7 12/1/1998	CW-7 6/8/1999	CW-7 12/22/1999	CW-7 6/2/2000	CW-7 12/1/2000	CW-7 6/8/2001	CW-7 12/7/2001	CW-7 6/14/2002	CW-7 12/6/2002	CW-7 6/9/2003	CW-7 12/5/2003	CW-7 6/4/2004
TOTAL VOC																	
				120	186	220	190.6	240	215.8	205.6	186	197.2	160.6	172.2	171.2	42.4	28.6
Volatile Organic Compound																	
1,1,1,2-Tetrachloroethane	70	70		0.52													
1,1,1-Trichloroethane	200	200	200	9100	5.0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	5.0 U												1 U
1,1,2-Trichloroethane	5	5	5	0.24	5.0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	3 U
1,1,2-Trichlorofluoromethane	2000	2000		1300													
1,1,2-Trichlorotrifluoroethane	63000	170000		59000													
1,1-Dichloroethane	31	160		2.4	5.0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U
1,1-Dichloroethene	7	7	7	340	5.0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	2 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065													
1,2-Dichloroethane	5	5	5	0.15	5.0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	2 U
1,2-Dichloroethene	70	70	70	330													
1,2-Dichloropropane	5	5	5	0.39	5.0 U												1 U
1,3-Dichlorobenzene	600	600															
1,3-Dichloropropene	6.6	26		0.43	5.0 U												
1,4-Dioxane	6.4	32		0.67													1000 U
2-Butanone	4000	4000		7100													5 U
2-Chloroethyl Vinyl Ether					50 U												5 U
2-Hexanone	11	44		47													
4-Methyl-2-Pentanone	2900	8200		2000													
Acetone	33000	92000		22000									0 U				
Acrolein	0.042	0.18		0.042													100 U
Acrylonitrile	0.72	3.7		0.045													50 U
Benzene	5	5	5	0.41	10 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	1 U
Bromochloromethane	90	90															
Bromodichloromethane	80	80		0.12	10 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	1 U
Bromoform	80	80		8.5	10 U												4 U
Bromomethane	10	10		8.7	25 U												5 U
Carbon Disulfide	1500	6200		1000									0 U				
Carbon Tetrachloride	5	5	5	0.44	5.0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	2 U
Chlorobenzene	100	100	100	91	5.0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U
Chlorodibromomethane	80	80		0.15	10 U												5 U
Chloroethane	230	900		21000	5.0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U
Chloroform	80	80		0.19	5.0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U
Chloromethane	30	30		190	25 U												5 U
cis-1,2-Dichloroethene	70	70	70	73		0 U	0 U	5.3	6	3.9	2.8	2	1.6	1.3			0.8 J
cis-1,3-Dichloropropene	6.6	26		0.43													5 U
Ethylbenzene	700	700	700	1.5	5.0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	4 U
Methyl tert-butyl ether	20	20		12													
Methylene chloride	5	5		4.8	10 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	3 U
Styrene	100	100	100	1600													
Tetrachloroethene	5	5	5	0.11	5.0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	1.7	0 U	0.6 J
Toluene	1000	1000	1000	2300	10 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U
Total VOCs						93	110	95.3	120	107.9	102.8	93	98.6	80.3	86.1	85.6	

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 2.4-3
Groundwater Data Summary - VOC 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 6/4/1997	CW-7 12/1/1998	CW-7 6/8/1999	CW-7 12/22/1999	CW-7 6/2/2000	CW-7 12/1/2000	CW-7 6/8/2001	CW-7 12/7/2001	CW-7 6/14/2002	CW-7 12/6/2002	CW-7 6/9/2003	CW-7 12/5/2003	CW-7 6/4/2004
trans-1,2-Dichloroethene	100	100	100	110	5.0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U
trans-1,3-Dichloropropene	6.6	26		0.43													5 U
Trichloroethene	5	5	5	2	86	93	110	90	114	104	100	91	97	79	84.4	85.6	41
Vinyl Acetate	420	1800		410													
Vinyl Chloride	2	2	2	0.016	5.0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U
VOC Library Search																	
Xylenes (Total)	10000	10000	10000	200									0 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 2.4-3
Groundwater Data Summary - VOC 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 12/10/2004	CW-7 6/14/2005	CW-7 12/9/2005	CW-7 6/20/2006	CW-7 6/19/2007	CW-7 12/12/2007	CW-7 5/6/2008	CW-7 9/11/2008	CW-7 6/16/2009	CW-7 12/16/2009	CW-7 7/7/2010	CW-7 12/21/2010
TOTAL VOC																
				120	27.8	13.28	20	14	12	9.35	9.35	8.55	8.86	7.92	8.79	4850
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52							1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	200	200	200	9100	5 U	5 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	3 U	3 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1,2-Trichlorotrifluoroethane	63000	170000		59000												
1,1-Dichloroethane	31	160		2.4	5 U	5 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	2 U	2 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065							1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	5	5	5	0.15	2 U	2 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330												
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.43												
1,4-Dioxane	6.4	32		0.67	1000 U	1000 U	200 U	1000 U	1000 U	1000 U	200 U	200 U	200 U	200 U	200 U	200 U
2-Butanone	4000	4000		7100	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloroethyl Vinyl Ether					5 U	5 U	2 U	10 U	10 U	10 U						
2-Hexanone	11	44		47							10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	2900	8200		2000							10 U	10 U	10 U	10 U	10 U	10 U
Acetone	33000	92000		22000							10 U	10 U	10 U	10 U	10 U	10 U
Acrolein	0.042	0.18		0.042	100 U	100 U	20 U	100 U	100 U	100 U						
Acrylonitrile	0.72	3.7		0.045	50 U	50 U	20 U	100 U	100 U	100 U	20 U	20 U	20 U	20 U	20 U	20 U
Benzene	5	5	5	0.41	1 U	1 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	90	90									1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	80	80		0.12	1 U	1 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	80	80		8.5	4 U	4 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	10	10		8.7	5 U	5 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	1500	6200		1000							1 U	1 U	1 U	1 U	0.45 J	1 U
Carbon Tetrachloride	5	5	5	0.44	2 U	2 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	91	5 U	5 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	5 U	5 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	230	900		21000	5 U	5 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	80	80		0.19	5 U	5 U	1 U	5 U	5 U	5 U	0.56 J	0.55 J	0.67 J	1	1	1.4
Chloromethane	30	30		190	5 U	5 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	70	70	70	73	0.6 J	0.8 J	0.28 J	5 U	5 U	5 U	0.19 J	1 U	0.29 J	0.26 J	0.27 J	0.28 J
cis-1,3-Dichloropropene	6.6	26		0.43	5 U	5 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	4 U	4 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl ether	20	20		12							1 U	1 U	1 U	1 U	1 U	1 U
Methylene chloride	5	5		4.8	3 U	3 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	0.21 J
Styrene	100	100	100	1600							1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	5	5	0.11	1 U	1 U	1 U	5 U	1 J	5 U	1 U	1 U	0.19 J	1 U	1 U	1 U
Toluene	1000	1000	1000	2300	5 U	5 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Total VOCs																

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 2.4-3
Groundwater Data Summary - VOC 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 12/10/2004	CW-7 6/14/2005	CW-7 12/9/2005	CW-7 6/20/2006	CW-7 6/19/2007	CW-7 12/12/2007	CW-7 5/6/2008	CW-7 9/11/2008	CW-7 6/16/2009	CW-7 12/16/2009	CW-7 7/7/2010	CW-7 12/21/2010
trans-1,2-Dichloroethene	100	100	100	110	5 U	5 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.43	5 U	5 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	5	5	2	28	27	13	20	13	12	8.6	8.8	7.4	7.6	6.2	6.9
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	5 U	5 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	200							3 U	3 U	3 U	3 U	3 U	3 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 2.4-3
Groundwater Data Summary - VOC 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 8/3/1989	CW-7A 11/13/1990	CW-7A 11/15/1990	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
TOTAL VOC															
				120	4212	5304	4262	4282	8674	3871	3564	912	4396	5075	5615
Volatile Organic Compound															
1,1,1,2-Tetrachloroethane	70	70		0.52											
1,1,1-Trichloroethane	200	200	200	9100	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	10 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5	5	5	0.24	50 U	40 U	50 U	50 U	1 U	100 U	20 U	50 U	20 U	50 U	50 U
1,1,2-Trichlorofluoromethane	2000	2000		1300	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorotrifluoroethane	63000	170000		59000											
1,1-Dichloroethane	31	160		2.4	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
1,1-Dichloroethene	7	7	7	340	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065											
1,2-Dichloroethane	5	5	5	0.15	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
1,2-Dichloroethene	70	70	70	330											
1,2-Dichloropropane	5	5	5	0.39	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
1,3-Dichlorobenzene	600	600													
1,3-Dichloropropene	6.6	26		0.43											
1,4-Dioxane	6.4	32		0.67											
2-Butanone	4000	4000		7100											
2-Chloroethyl Vinyl Ether					50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
2-Hexanone	11	44		47											
4-Methyl-2-Pentanone	2900	8200		2000											
Acetone	33000	92000		22000											
Acrolein	0.042	0.18		0.042											
Acrylonitrile	0.72	3.7		0.045											
Benzene	5	5	5	0.41	100 U	500 U	10 U	200 U	200 U	500 U	200 U	200 U	50 U	100 U	100 U
Bromochloromethane	90	90													
Bromodichloromethane	80	80		0.12											
Bromoform	80	80		8.5	10 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	10 U
Bromomethane	10	10		8.7	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U
Carbon Disulfide	1500	6200		1000											
Carbon Tetrachloride	5	5	5	0.44	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
Chlorobenzene	100	100	100	91	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
Chlorodibromomethane	80	80		0.15	100 U	100 U	100 U	100 U	2 U	200 U	50 U	100 U	50 U	100 U	100 U
Chloroethane	230	900		21000	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
Chloroform	80	80		0.19	5	4	5 U	2	2	2	2	2 U	1 U	1 U	5 U
Chloromethane	30	30		190	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U
cis-1,2-Dichloroethene	70	70	70	73	95	92	80	48	62	55	53	50	34	81	60
cis-1,3-Dichloropropene	6.6	26		0.43	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
Ethylbenzene	700	700	700	1.5	50 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
Methyl tert-butyl ether	20	20		12											
Methylene chloride	5	5		4.8	10 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	10 U
Styrene	100	100	100	1600											
Tetrachloroethene	5	5	5	0.11	20	16	24	12	18	17	16	14	18	15	15
Toluene	1000	1000	1000	2300	10 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	10 U
Total VOCs															

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 2.4-3
Groundwater Data Summary - VOC 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 8/3/1989	CW-7A 11/13/1990	CW-7A 11/15/1990	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
trans-1,2-Dichloroethene	100	100	100	110											
trans-1,3-Dichloropropene	6.6	26		0.43											
Trichloroethene	5	5	5	2	4730	4100	5200	4200	4200	8600	3800	3500	860	4300	5000
Vinyl Acetate	420	1800		410											
Vinyl Chloride	2	2	2	0.016	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
VOC Library Search															
Xylenes (Total)	10000	10000	10000	200											

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 2.4-3
Groundwater Data Summary - VOC 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 12/18/1992	CW-7A 6/21/1993	CW-7A 8/30/1993	CW-7A 12/1/1993	CW-7A 1/26/1994	CW-7A 4/5/1994	CW-7A 7/11/1994	CW-7A 12/15/1994	CW-7A 6/2/1995	CW-7A 6/2/1995	CW-7A 12/7/1995
TOTAL VOC															
				120	3160	4065	2644	2440	2576	2000	2143	2636	2636	2935	2022
Volatile Organic Compound															
1,1,1,2-Tetrachloroethane	70	70		0.52											
1,1,1-Trichloroethane	200	200	200	9100	5 U	10 U	5 U	5 U	20 U	5 U	20 U				
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	5 U	10 U			20 U		20 U				
1,1,2-Trichloroethane	5	5	5	0.24	50 U	10 U			20 U		20 U				
1,1,2-Trichlorofluoromethane	2000	2000		1300	1 U										
1,1,2-Trichlorotrifluoroethane	63000	170000		59000											
1,1-Dichloroethane	31	160		2.4	5 U	10 U	5 U	5 U	20 U	5 U	20 U				
1,1-Dichloroethene	7	7	7	340	5 U	10 U	5 U	5 U	20 U	5 U	20 U				
1,2-Dibromoethane	0.05	0.05	0.05	0.0065											
1,2-Dichloroethane	5	5	5	0.15	5 U	10 U	5 U	5 U	20 U	5 U	20 U				
1,2-Dichloroethene	70	70	70	330								31	18	18	19
1,2-Dichloropropane	5	5	5	0.39	5 U	10 U			20 U		20 U				
1,3-Dichlorobenzene	600	600													
1,3-Dichloropropene	6.6	26		0.43											
1,4-Dioxane	6.4	32		0.67											
2-Butanone	4000	4000		7100		100 U			200 U		200 U				
2-Chloroethyl Vinyl Ether					50 U	100 U			200 U		200 U				
2-Hexanone	11	44		47		100 U			200 U		200 U				
4-Methyl-2-Pentanone	2900	8200		2000		100 U			200 U		200 U				
Acetone	33000	92000		22000		100 U			200 U		200 U				
Acrolein	0.042	0.18		0.042											
Acrylonitrile	0.72	3.7		0.045											
Benzene	5	5	5	0.41	100 U	10 U			20 U		20 U				
Bromochloromethane	90	90													
Bromodichloromethane	80	80		0.12		10 U			20 U		20 U				
Bromoform	80	80		8.5	10 U	10 U			20 U		20 U				
Bromomethane	10	10		8.7	25 U	20 U			40 U		40 U				
Carbon Disulfide	1500	6200		1000		10 U			20 U		20 U				
Carbon Tetrachloride	5	5	5	0.44	5 U	10 U			20 U		20 U				
Chlorobenzene	100	100	100	91	5 U	10 U	5 U	5 U	20 U	5 U	20 U				
Chlorodibromomethane	80	80		0.15	100 U	10 U			20 U		20 U				
Chloroethane	230	900		21000	5 U	20 U			40 U		40 U				
Chloroform	80	80		0.19	5 U	10 U	5 U	5 U	20 U	5 U	20 U				
Chloromethane	30	30		190	25 U	20 U			40 U		40 U				
cis-1,2-Dichloroethene	70	70	70	73	90	40	47	30	40	41	20 U				
cis-1,3-Dichloropropene	6.6	26		0.43	5 U	10 U			20 U		20 U				
Ethylbenzene	700	700	700	1.5	5 U	10 U			20 U		20 U				
Methyl tert-butyl ether	20	20		12											
Methylene chloride	5	5		4.8	10 U	20 U			40 U		40 U				
Styrene	100	100	100	1600					20 U		20 U				
Tetrachloroethene	5	5	5	0.11	25	20	18	14	20 U	35	20 U	12	18	18	16
Toluene	1000	1000	1000	2300	10 U	10 U			20 U		20 U				
Total VOCs															

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 2.4-3
Groundwater Data Summary - VOC 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 12/18/1992	CW-7A 6/21/1993	CW-7A 8/30/1993	CW-7A 12/1/1993	CW-7A 1/26/1994	CW-7A 4/5/1994	CW-7A 7/11/1994	CW-7A 12/15/1994	CW-7A 6/2/1995	CW-7A 6/2/1995	CW-7A 12/7/1995
trans-1,2-Dichloroethene	100	100	100	110		10 U									
trans-1,3-Dichloropropene	6.6	26		0.43											
Trichloroethene	5	5	5	2	5500	3100	4000	2600	2400	2500	2000	2100	2600	2600	2900
Vinyl Acetate	420	1800		410		100 U			200 U		200 U				
Vinyl Chloride	2	2	2	0.016	1 U	20 U	5 U	5 U	40 U	5 U	40 U				
VOC Library Search															
Xylenes (Total)	10000	10000	10000	200		50 U			100 U		100 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 2.4-3
Groundwater Data Summary - VOC 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 6/6/1996	CW-7A 6/6/1996	CW-7A 12/2/1996	CW-7A 6/4/1997	CW-7A 12/1/1998	CW-7A 6/8/1999	CW-7A 12/22/1999	CW-7A 6/2/2000	CW-7A 12/1/2000	CW-7A 6/8/2001	CW-7A 6/9/2003	CW-7A 6/4/2004
TOTAL VOC																
				120	2022	1800	1400	1492	2628	860	1822	342	2404	1146	490.8	222.7
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52												
1,1,1-Trichloroethane	200	200	200	9100			100 U	100 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	25 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067			100 U	100 U								5 U
1,1,2-Trichloroethane	5	5	5	0.24			100 U	100 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	15 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1,2-Trichlorotrifluoroethane	63000	170000		59000												
1,1-Dichloroethane	31	160		2.4			100 U	100 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	25 U
1,1-Dichloroethene	7	7	7	340			100 U	100 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	10 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065												
1,2-Dichloroethane	5	5	5	0.15			100 U	100 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	10 U
1,2-Dichloroethene	70	70	70	330	11	11										
1,2-Dichloropropane	5	5	5	0.39			100 U	100 U								5 U
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.43			100 U	100 U								
1,4-Dioxane	6.4	32		0.67												5000 U
2-Butanone	4000	4000		7100												25 U
2-Chloroethyl Vinyl Ether							1000 U	1000 U								25 U
2-Hexanone	11	44		47												
4-Methyl-2-Pentanone	2900	8200		2000												
Acetone	33000	92000		22000												
Acrolein	0.042	0.18		0.042												500 U
Acrylonitrile	0.72	3.7		0.045												250 U
Benzene	5	5	5	0.41			200 U	200 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U
Bromochloromethane	90	90														
Bromodichloromethane	80	80		0.12			200 U	200 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U
Bromoform	80	80		8.5			200 U	200 U								20 U
Bromomethane	10	10		8.7			500 U	500 U								25 U
Carbon Disulfide	1500	6200		1000												
Carbon Tetrachloride	5	5	5	0.44			100 U	100 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	10 U
Chlorobenzene	100	100	100	91			100 U	100 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	25 U
Chlorodibromomethane	80	80		0.15			200 U	200 U								25 U
Chloroethane	230	900		21000			100 U	100 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	25 U
Chloroform	80	80		0.19			100 U	100 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	25 U
Chloromethane	30	30		190			500 U	500 U								25 U
cis-1,2-Dichloroethene	70	70	70	73					12	0 U	0 U	21	28	9		5.2 J
cis-1,3-Dichloropropene	6.6	26		0.43												25 U
Ethylbenzene	700	700	700	1.5			100 U	100 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	20 U
Methyl tert-butyl ether	20	20		12												
Methylene chloride	5	5		4.8			200 U	200 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	15 U
Styrene	100	100	100	1600												
Tetrachloroethene	5	5	5	0.11	11	11	100 U	100 U	14	14	0 U	21	28	13	20	5.6
Toluene	1000	1000	1000	2300			200 U	200 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	25 U
Total VOCs									746	1314	430	911	171	1202	573	

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 2.4-3
Groundwater Data Summary - VOC 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 6/6/1996	CW-7A 6/6/1996	CW-7A 12/2/1996	CW-7A 6/4/1997	CW-7A 12/1/1998	CW-7A 6/8/1999	CW-7A 12/22/1999	CW-7A 6/2/2000	CW-7A 12/1/2000	CW-7A 6/8/2001	CW-7A 6/9/2003	CW-7A 6/4/2004
trans-1,2-Dichloroethene	100	100	100	110			100 U	100 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	25 U
trans-1,3-Dichloropropene	6.6	26		0.43												25 U
Trichloroethene	5	5	5	2	2000	2000	1800	1400	720	1300	430	869	115	1180	553	480
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016			100 U	100 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	25 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	200												

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 2.4-3
Groundwater Data Summary - VOC 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 12/10/2004	CW-7A 6/14/2005	CW-7A 12/9/2005	CW-7A 6/20/2006	CW-7A 6/19/2007	CW-7A 12/12/2007	CW-7A 5/6/2008	CW-7A 10/9/2008	CW-7A 6/16/2009	CW-7A 12/16/2009	CW-7A 7/7/2010	CW-7A 12/21/2010
TOTAL VOC																
				120	302.2	344.6	344.4	245.3	335	320.8	163.1	189.1	193.8	398	109.2	904
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52							15 U	10 U	10 U	10 U	20 U	5 U
1,1,1-Trichloroethane	200	200	200	9100	10 U	10 U	12 U	12 U	10 U	5 U	15 U	10 U	10 U	10 U	20 U	5 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	2 U	2 U	12 U	12 U	10 U	5 U	15 U	10 U	10 U	10 U	20 U	5 U
1,1,2-Trichloroethane	5	5	5	0.24	6 U	6 U	12 U	12 U	10 U	5 U	15 U	10 U	10 U	10 U	20 U	5 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1,2-Trichlorotrifluoroethane	63000	170000		59000												
1,1-Dichloroethane	31	160		2.4	10 U	10 U	12 U	12 U	10 U	5 U	15 U	10 U	10 U	10 U	20 U	5 U
1,1-Dichloroethene	7	7	7	340	4 U	4 U	12 U	12 U	10 U	5 U	15 U	10 U	10 U	10 U	20 U	5 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065							15 U	10 U	10 U	10 U	20 U	5 U
1,2-Dichloroethane	5	5	5	0.15	4 U	4 U	12 U	12 U	10 U	5 U	15 U	10 U	10 U	10 U	20 U	5 U
1,2-Dichloroethene	70	70	70	330												
1,2-Dichloropropane	5	5	5	0.39	2 U	2 U	12 U	12 U	10 U	5 U	15 U	10 U	10 U	10 U	20 U	5 U
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.43												
1,4-Dioxane	6.4	32		0.67	2000 U	2000 U	2500 U	2500 U	2000 U	1000 U	3000 U	2000 U	2000 U	2000 U	4000 U	1000 U
2-Butanone	4000	4000		7100	10 U	10 U	62 U	12 U	10 U	5 U	150 U	100 U	100 U	100 U	200 U	50 U
2-Chloroethyl Vinyl Ether					10 U	10 U	25 U	25 U	20 U	10 U						
2-Hexanone	11	44		47							150 U	100 U	100 U	100 U	200 U	50 U
4-Methyl-2-Pentanone	2900	8200		2000							150 U	100 U	100 U	100 U	200 U	50 U
Acetone	33000	92000		22000							150 U	100 U	100 U	100 U	200 U	50 U
Acrolein	0.042	0.18		0.042	200 U	200 U	250 U	250 U	200 U	100 U						
Acrylonitrile	0.72	3.7		0.045	100 U	100 U	250 U	250 U	200 U	100 U	300 U	200 U	200 U	200 U	400 U	100 U
Benzene	5	5	5	0.41	2 U	2 U	12 U	12 U	10 U	5 U	15 U	10 U	10 U	10 U	20 U	5 U
Bromochloromethane	90	90									15 U	10 U	10 U	10 U	20 U	5 U
Bromodichloromethane	80	80		0.12	2 U	2 U	12 U	12 U	10 U	5 U	15 U	10 U	10 U	10 U	20 U	5 U
Bromoform	80	80		8.5	8 U	8 U	12 U	12 U	10 U	5 U	15 U	10 U	10 U	10 U	20 U	5 U
Bromomethane	10	10		8.7	10 U	10 U	12 U	12 U	10 U	5 U	15 U	10 U	10 U	10 U	20 U	5 U
Carbon Disulfide	1500	6200		1000							15 U	10 U	10 U	10 U	240	5 U
Carbon Tetrachloride	5	5	5	0.44	4 U	4 U	12 U	12 U	10 U	5 U	15 U	10 U	10 U	10 U	20 U	5 U
Chlorobenzene	100	100	100	91	10 U	10 U	12 U	12 U	10 U	5 U	15 U	10 U	10 U	10 U	20 U	5 U
Chlorodibromomethane	80	80		0.15	10 U	10 U	12 U	12 U	10 U	5 U	15 U	10 U	10 U	10 U	20 U	5 U
Chloroethane	230	900		21000	10 U	10 U	12 U	12 U	10 U	5 U	15 U	10 U	10 U	10 U	20 U	5 U
Chloroform	80	80		0.19	10 U	10 U	12 U	12 U	10 U	5 U	15 U	10 U	10 U	10 U	20 U	1.1 J
Chloromethane	30	30		190	10 U	10 U	12 U	12 U	10 U	5 U	15 U	10 U	10 U	10 U	20 U	5 U
cis-1,2-Dichloroethene	70	70	70	73	25	7.2 J	3.6 J	12 U	10 U	2.1 J	1.7 J	10 U	10 U	10 U	20 U	5 U
cis-1,3-Dichloropropene	6.6	26		0.43	10 U	10 U	12 U	12 U	10 U	5 U	15 U	10 U	10 U	10 U	20 U	5 U
Ethylbenzene	700	700	700	1.5	8 U	8 U	12 U	12 U	10 U	5 U	15 U	10 U	10 U	10 U	20 U	5 U
Methyl tert-butyl ether	20	20		12							15 U	10 U	10 U	10 U	20 U	5 U
Methylene chloride	5	5		4.8	6 U	6 U	12 U	12 U	10 U	5 U	3.8 J	10 U	5.5 J B	10 U	14 J B	6
Styrene	100	100	100	1600							15 U	10 U	10 U	10 U	20 U	5 U
Tetrachloroethene	5	5	5	0.11	7.7	5	11 J	4.4 J	5.3 J	2.9 J	5.3 J	3.1 J	3.6 J	3.8 J	4 J	2.1 J
Toluene	1000	1000	1000	2300	10 U	10 U	12 U	12 U	10 U	5 U	15 U	10 U	10 U	10 U	20 U	5 U
Total VOCs																

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 2.4-3
Groundwater Data Summary - VOC 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 12/10/2004	CW-7A 6/14/2005	CW-7A 12/9/2005	CW-7A 6/20/2006	CW-7A 6/19/2007	CW-7A 12/12/2007	CW-7A 5/6/2008	CW-7A 10/9/2008	CW-7A 6/16/2009	CW-7A 12/16/2009	CW-7A 7/7/2010	CW-7A 12/21/2010
trans-1,2-Dichloroethene	100	100	100	110	10 U	10 U	12 U	12 U	10 U	5 U	15 U	10 U	10 U	10 U	20 U	5 U
trans-1,3-Dichloropropene	6.6	26		0.43	10 U	10 U	12 U	12 U	10 U	5 U	15 U	10 U	10 U	10 U	20 U	5 U
Trichloroethene	5	5	5	2	190	290	330	340	240	330	310	160	180	190	140	100
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	10 U	10 U	12 U	12 U	10 U	5 U	15 U	10 U	10 U	10 U	20 U	5 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	200							45 U	30 U	30 U	30 U	60 U	15 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 2.4-3
Groundwater Data Summary - VOC 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 1/11/1990	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	CW-8 6/11/1992	CW-8 9/24/1992	CW-8 12/18/1992
TOTAL VOC																
				120	1354	1298	735	704	1146	680	760	332	573	760	547	473
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52												
1,1,1-Trichloroethane	200	200	200	9100	680	1000	930	370	320	550	230	240	150	200	230	150
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	1 U	10 U	20 U	10 U	20 U	20 U	5 U	10 U	10 U	10 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	1 U	1 U	5 U	1 U	5 U	2 U	5 U	1 U	2 U	5 U	2 U
1,1,2-Trichlorofluoromethane	2000	2000		1300		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorotrifluoroethane	63000	170000		59000	1 U											
1,1-Dichloroethane	31	160		2.4	21	32	22	12	11	10	11	10	8	9	9	9
1,1-Dichloroethene	7	7	7	340	73	82	100	61	64	51	63	54	36	71	65	50
1,2-Dibromoethane	0.05	0.05	0.05	0.0065												
1,2-Dichloroethane	5	5	5	0.15	1	2	2	1 U	2	2 U	2 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330												
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.43	1 U											
1,4-Dioxane	6.4	32		0.67												
2-Butanone	4000	4000		7100												
2-Chloroethyl Vinyl Ether					10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	11	44		47												
4-Methyl-2-Pentanone	2900	8200		2000												
Acetone	33000	92000		22000												
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045												
Benzene	5	5	5	0.41	2 U	10 U	2 U	10 U	10 U	20 U	10 U	2 U	2 U	5 U	5 U	5 U
Bromochloromethane	90	90														
Bromodichloromethane	80	80		0.12	9											
Bromoform	80	80		8.5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bromomethane	10	10		8.7	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Disulfide	1500	6200		1000												
Carbon Tetrachloride	5	5	5	0.44	50 U	100 U	100 U	20 U	50 U	50 U	20 U	20 U	10 U	20 U	20 U	10 U
Chlorobenzene	100	100	100	91	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	2 U	2 U	2 U	10 U	2 U	10 U	5 U	10 U	2 U	5 U	10 U	55 U
Chloroethane	230	900		21000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	80	80		0.19	12	21	20	22	21	18	19	22	23	30	37	28
Chloromethane	30	30		190	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	73		42	32	36	36	44	54	54	14	44	56	50
cis-1,3-Dichloropropene	6.6	26		0.43		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl ether	20	20		12												
Methylene chloride	5	5		4.8	2 U	2 U	25	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Styrene	100	100	100	1600												
Tetrachloroethene	5	5	5	0.11	13	15	17	34	80	73	93	120	19	69	93	100
Toluene	1000	1000	1000	2300	2 U	5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Total VOCs																

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 2.4-3
Groundwater Data Summary - VOC 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 1/11/1990	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	CW-8 6/11/1992	CW-8 9/24/1992	CW-8 12/18/1992
trans-1,2-Dichloroethene	100	100	100	110	18											
trans-1,3-Dichloropropene	6.6	26		0.43												
Trichloroethene	5	5	5	2	77	160	150	200	170	400	210	260	82	150	270	160
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	200												

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 2.4-3
Groundwater Data Summary - VOC 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 6/21/1993	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 12/15/1994	CW-8 6/2/1995	CW-8 12/7/1995	CW-8 6/6/1996	CW-8 12/2/1996	CW-8 6/4/1997
TOTAL VOC																
				120	534	538	1457	1330	1410	1676	1217	1249	1339	600	692	1164
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52												
1,1,1-Trichloroethane	200	200	200	9100	98	120	320	280	240	230	160	160	110	110	50 U	68
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U			20 U		5 U					50 U	20 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U			10 U		5 U					50 U	20 U
1,1,2-Trichlorofluoromethane	2000	2000		1300				1 U								
1,1,2-Trichlorotrifluoroethane	63000	170000		59000												
1,1-Dichloroethane	31	160		2.4	6	6	11	8	10	10	6	6	8	5	50 U	20 U
1,1-Dichloroethene	7	7	7	340	37	38	30	56	43	60	30	28	47	22	50 U	20 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065												
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	1 U	1 U	2 U	5 U					50 U	20 U
1,2-Dichloroethene	70	70	70	330									110	170		
1,2-Dichloropropane	5	5	5	0.39	1 U			1 U		5 U					50 U	20 U
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.43											50 U	20 U
1,4-Dioxane	6.4	32		0.67												
2-Butanone	4000	4000		7100	10 U					50 U						
2-Chloroethyl Vinyl Ether					10 U			10 U		50 U					500 U	200 U
2-Hexanone	11	44		47	10 U					50 U						
4-Methyl-2-Pentanone	2900	8200		2000	10 U					50 U						
Acetone	33000	92000		22000	10 U					50 U						
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045												
Benzene	5	5	5	0.41	1 U					5 U					100 U	40 U
Bromochloromethane	90	90														
Bromodichloromethane	80	80		0.12	2					5 U					100 U	40 U
Bromoform	80	80		8.5	1 U			2 U		5 U					100 U	40 U
Bromomethane	10	10		8.7	2 U			5 U		10 U					250 U	100 U
Carbon Disulfide	1500	6200		1000	1 U					5 U						
Carbon Tetrachloride	5	5	5	0.44	1 U			20 U		5 U					50 U	20 U
Chlorobenzene	100	100	100	91	1 U	1 U	1 U	1 U	1 U	5 U					50 U	20 U
Chlorodibromomethane	80	80		0.15	1 U			20 U		5 U					100 U	40 U
Chloroethane	230	900		21000	2 U			1 U		10 U					50 U	20 U
Chloroform	80	80		0.19	25	37	31	23	17	5 U		3	7		50 U	20 U
Chloromethane	30	30		190	2 U			5 U		10 U					250 U	100 U
cis-1,2-Dichloroethene	70	70	70	73	55	50	26	130	130	150	160	110				
cis-1,3-Dichloropropene	6.6	26		0.43	1 U			1 U		5 U						
Ethylbenzene	700	700	700	1.5	1 U					5 U					50 U	20 U
Methyl tert-butyl ether	20	20		12												
Methylene chloride	5	5		4.8	2 U			2 U		10 U					100 U	40 U
Styrene	100	100	100	1600	1 U					5 U						
Tetrachloroethene	5	5	5	0.11	80	83	1 U	160	210	130	160	130	87	82	50 U	54
Toluene	1000	1000	1000	2300	1 U					5 U					100 U	40 U
Total VOCs																

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 2.4-3
Groundwater Data Summary - VOC 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 6/21/1993	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 12/15/1994	CW-8 6/2/1995	CW-8 12/7/1995	CW-8 6/6/1996	CW-8 12/2/1996	CW-8 6/4/1997
trans-1,2-Dichloroethene	100	100	100	110	1 U					5 U	160				50 U	20 U
trans-1,3-Dichloropropene	6.6	26		0.43						5 U						
Trichloroethene	5	5	5	2	170	200	120	800	680	830	1000	780	880	950	600	570
Vinyl Acetate	420	1800		410	10 U					50 U						
Vinyl Chloride	2	2	2	0.016	2 U	1 U	1 U	1 U		10 U					50 U	20 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	200	5 U					25 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 2.4-3
Groundwater Data Summary - VOC 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 12/1/1998	CW-8 6/8/1999	CW-8 12/22/1999	CW-8 6/2/2000	CW-8 12/1/2000	CW-8 6/20/2001	CW-8 12/7/2001	CW-8 6/14/2002	CW-8 12/6/2002	CW-8 6/9/2003	CW-8 12/5/2003	CW-8 6/4/2004
TOTAL VOC																
				120	1796	1192	1737.6	850	1226.4	991.8	1032.4	1051.4	1310.4	949.8	517.8	649.5
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52												
1,1,1-Trichloroethane	200	200	200	9100	42	48	0 U	40	28	38	23	23	36	45	29	22
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067												2 U
1,1,2-Trichloroethane	5	5	5	0.24	0 U	0 U	0 U	1	0 U	1.1	0 U	0 U	0 U	1.2	0 U	6 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1,2-Trichlorotrifluoroethane	63000	170000		59000												
1,1-Dichloroethane	31	160		2.4	0 U	0 U	0 U	3.7	0 U	4.4	0 U	0 U	4.4	6.3	3.7	4.1 J
1,1-Dichloroethene	7	7	7	340	18	19	0 U	16	11	0 U	8.9	9.2	18	22.5	14.5	14
1,2-Dibromoethane	0.05	0.05	0.05	0.0065												
1,2-Dichloroethane	5	5	5	0.15	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	4 U
1,2-Dichloroethene	70	70	70	330												
1,2-Dichloropropane	5	5	5	0.39												2 U
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.43												
1,4-Dioxane	6.4	32		0.67												2000 U
2-Butanone	4000	4000		7100												10 U
2-Chloroethyl Vinyl Ether																10 U
2-Hexanone	11	44		47												
4-Methyl-2-Pentanone	2900	8200		2000												
Acetone	33000	92000		22000						0 U		0 U				
Acrolein	0.042	0.18		0.042												200 U
Acrylonitrile	0.72	3.7		0.045												100 U
Benzene	5	5	5	0.41	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	2 U
Bromochloromethane	90	90														
Bromodichloromethane	80	80		0.12	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	2 U
Bromoform	80	80		8.5												8 U
Bromomethane	10	10		8.7												10 U
Carbon Disulfide	1500	6200		1000						0 U		0 U				
Carbon Tetrachloride	5	5	5	0.44	0 U	0 U	0 U	0 U	0 U	0.5	0 U	0 U	0 U	0 U	0 U	4 U
Chlorobenzene	100	100	100	91	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	10 U
Chlorodibromomethane	80	80		0.15												10 U
Chloroethane	230	900		21000	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	10 U
Chloroform	80	80		0.19	0 U	0 U	0 U	1.1	0 U	1.1	0 U	0 U	1.5	1.2	1.7	0.7 J
Chloromethane	30	30		190												10 U
cis-1,2-Dichloroethene	70	70	70	73	93	120	95	81	63	106	76	85	129			95
cis-1,3-Dichloropropene	6.6	26		0.43												10 U
Ethylbenzene	700	700	700	1.5	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	8 U
Methyl tert-butyl ether	20	20		12												
Methylene chloride	5	5		4.8	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	6 U
Styrene	100	100	100	1600												
Tetrachloroethene	5	5	5	0.11	39	51	51	47	23	37	32	27	36	37.1	26.7	22
Toluene	1000	1000	1000	2300	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	10 U
Total VOCs					582	898	596	868.8	425	613.2	495.9	516.2	525.7	655.2	474.9	

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 2.4-3
Groundwater Data Summary - VOC 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 12/1/1998	CW-8 6/8/1999	CW-8 12/22/1999	CW-8 6/2/2000	CW-8 12/1/2000	CW-8 6/20/2001	CW-8 12/7/2001	CW-8 6/14/2002	CW-8 12/6/2002	CW-8 6/9/2003	CW-8 12/5/2003	CW-8 6/4/2004
trans-1,2-Dichloroethene	100	100	100	110	0 U	0 U	0 U	0 U	0 U	2.1	0 U	0 U	1.8	1.9	1.3	10 U
trans-1,3-Dichloropropene	6.6	26		0.43												10 U
Trichloroethene	5	5	5	2	390	660	450	679	300	423	356	372	299	540	398	360
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	10 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	200						0 U		0 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 2.4-3
Groundwater Data Summary - VOC 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 12/10/2004	CW-8 6/13/2005	CW-8 12/9/2005	CW-8 6/20/2006	CW-8 1/3/2007	CW-8 6/19/2007	CW-8 12/12/2007	CW-8 5/6/2008	CW-8 9/11/2008	CW-8 6/16/2009	CW-8 1/13/2010	CW-8 12/21/2010
TOTAL VOC																
				120	644.3	647.2	484	638.8	485.1	906	531.4	348.3	402.3	782	492.2	1108
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52								20 U	10 U	10 U	20 U	20 U
1,1,1-Trichloroethane	200	200	200	9100	26	24 J	21	21	19	15 J	31 J	12 J	12	11	20	9.1 J
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	5 U	5 U	12 U	12 U	12 U	25 U	50 U	20 U	10 U	10 U	20 U	20 U
1,1,2-Trichloroethane	5	5	5	0.24	15 U	15 U	12 U	12 U	12 U	25 U	50 U	20 U	10 U	10 U	20 U	20 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1,2-Trichlorotrifluoroethane	63000	170000		59000												
1,1-Dichloroethane	31	160		2.4	3.5 J	3.3 J	12 U	12 U	4.8 J	25 U	50 U	20 U	4.4 J	2.9 J	20 U	20 U
1,1-Dichloroethene	7	7	7	340	15	15	15	11 J	13	9.1 J	18 J	9.4 J	8.9 J	7.9 J	16 J	9.7 J
1,2-Dibromoethane	0.05	0.05	0.05	0.0065								20 U	10 U	10 U	20 U	20 U
1,2-Dichloroethane	5	5	5	0.15	10 U	10 U	12 U	12 U	12 U	25 U	50 U	20 U	10 U	10 U	20 U	20 U
1,2-Dichloroethene	70	70	70	330												
1,2-Dichloropropane	5	5	5	0.39	5 U	5 U	12 U	12 U	12 U	25 U	50 U	20 U	10 U	10 U	20 U	20 U
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.43												
1,4-Dioxane	6.4	32		0.67	5000 U	5000 U	2500 U	2500 U	2500 U	5000 U	10000 U	4000 U	2000 U	2000 U	4000 U	4000 U
2-Butanone	4000	4000		7100	25 U	25 U	62 U	12 U	62 U	25 U	50 U	200 U	100 U	100 U	200 U	200 U
2-Chloroethyl Vinyl Ether					25 U	25 U	25 U	25 U	25 U	50 U	100 U					
2-Hexanone	11	44		47								200 U	100 U	100 U	200 U	200 U
4-Methyl-2-Pentanone	2900	8200		2000								200 U	100 U	100 U	200 U	200 U
Acetone	33000	92000		22000								200 U	100 U	100 U	200 U	200 U
Acrolein	0.042	0.18		0.042	500 U	500 U	250 U	250 U	250 U	500 U	1000 U					
Acrylonitrile	0.72	3.7		0.045	250 U	250 U	250 U	250 U	250 U	500 U	1000 U	400 U	200 U	200 U	400 U	400 U
Benzene	5	5	5	0.41	5 U	5 U	12 U	12 U	12 U	25 U	50 U	20 U	10 U	10 U	20 U	20 U
Bromochloromethane	90	90										20 U	10 U	10 U	20 U	20 U
Bromodichloromethane	80	80		0.12	5 U	5 U	12 U	12 U	12 U	25 U	50 U	20 U	10 U	10 U	20 U	20 U
Bromoform	80	80		8.5	20 U	20 U	12 U	12 U	12 U	25 U	50 U	20 U	10 U	10 U	20 U	20 U
Bromomethane	10	10		8.7	25 U	25 U	12 U	12 U	12 U	25 U	50 U	20 U	10 U	10 U	20 U	20 U
Carbon Disulfide	1500	6200		1000								20 U	10 U	10 U	20 U	11 J
Carbon Tetrachloride	5	5	5	0.44	10 U	10 U	12 U	12 U	12 U	25 U	50 U	20 U	10 U	10 U	20 U	20 U
Chlorobenzene	100	100	100	91	25 U	25 U	12 U	12 U	12 U	25 U	50 U	20 U	10 U	10 U	20 UJ	20 U
Chlorodibromomethane	80	80		0.15	25 U	25 U	12 U	12 U	12 U	25 U	50 U	20 U	10 U	10 U	20 U	20 U
Chloroethane	230	900		21000	25 U	25 U	12 U	12 U	12 U	25 U	50 U	20 U	10 U	10 U	20 U	20 U
Chloroform	80	80		0.19	25 U	25 U	2.2 J	12 U	12 U	25 U	50 U	20 U	10 U	10 U	20 U	20 U
Chloromethane	30	30		190	25 U	25 U	12 U	12 U	12 U	25 U	50 U	20 U	10 U	10 U	20 U	20 U
cis-1,2-Dichloroethene	70	70	70	73	120	140	130	100	130	120	260	120	69	95	170	120
cis-1,3-Dichloropropene	6.6	26		0.43	25 U	25 U	12 U	12 U	12 U	25 U	50 U	20 U	10 U	10 U	20 U	20 U
Ethylbenzene	700	700	700	1.5	20 U	20 U	12 U	12 U	12 U	25 U	50 U	20 U	10 U	10 U	20 U	20 U
Methyl tert-butyl ether	20	20		12								20 U	10 U	10 U	20 U	20 U
Methylene chloride	5	5		4.8	15 U	15 U	12 U	12 U	12 U	25 U	50 U	5 J	10 U	4.5 J B	20 U	3.4 J
Styrene	100	100	100	1600								20 U	10 U	10 U	20 U	20 U
Tetrachloroethene	5	5	5	0.11	25	32	29	22	32	21 J	37 J	25	24	21	36	29
Toluene	1000	1000	1000	2300	25 U	25 U	12 U	12 U	12 U	25 U	50 U	20 U	10 U	10 U	20 U	20 U
Total VOCs																

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 2.4-3
Groundwater Data Summary - VOC 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 12/10/2004	CW-8 6/13/2005	CW-8 12/9/2005	CW-8 6/20/2006	CW-8 1/3/2007	CW-8 6/19/2007	CW-8 12/12/2007	CW-8 5/6/2008	CW-8 9/11/2008	CW-8 6/16/2009	CW-8 1/13/2010	CW-8 12/21/2010
trans-1,2-Dichloroethene	100	100	100	110	25 U	25 U	12 U	12 U	12 U	25 U	50 U	20 U	10 U	10 U	20 U	20 U
trans-1,3-Dichloropropene	6.6	26		0.43	25 U	25 U	12 U	12 U	12 U	25 U	50 U	20 U	10 U	10 U	20 U	20 U
Trichloroethene	5	5	5	2	460	430	450	330	440	320	560	360	230	260	540 J	310
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	25 U	25 U	12 U	12 U	12 U	25 U	50 U	20 U	10 U	10 U	20 U	20 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	200								60 U	30 U	30 U	60 U	60 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 2.4-3
Groundwater Data Summary - VOC 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-9 2/19/1990	CW-9 2/28/1990	CW-9 4/3/1990	CW-9 5/24/1994	CW-9 7/11/1994	CW-9 12/15/1994	CW-9 6/2/1995	CW-9 12/7/1995	CW-9 6/6/1996	CW-9 12/2/1996	CW-9 6/5/1997	CW-9 12/1/1998
TOTAL VOC																
				120	1170	88	1205	2400	5529	8942	7146	4824	2920	2360	8622	8166
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52												
1,1,1-Trichloroethane	200	200	200	9100	200	220	5	410	760	740	660	500	300	140	140	240
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	50 U	100 U	5 U	5 U	5 U					100 U	100 U	
1,1,2-Trichloroethane	5	5	5	0.24	50 U	20 U	1 U	5 U	5 U					100 U	100 U	0 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1,2-Trichlorotrifluoroethane	63000	170000		59000	1 U	1 U	1 U									
1,1-Dichloroethane	31	160		2.4	10	12	1	20	65	30	25	27	10	100 U	100 U	11
1,1-Dichloroethene	7	7	7	340	16	19	1 U	5 U	15	34	37	94	14	100 U	100 U	40
1,2-Dibromoethane	0.05	0.05	0.05	0.0065												
1,2-Dichloroethane	5	5	5	0.15	2	2	1 U	5 U	5 U					100 U	100 U	0 U
1,2-Dichloroethene	70	70	70	330								420	300			
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	5 U	5 U					100 U	100 U	
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U							100 U	100 U	
1,4-Dioxane	6.4	32		0.67												
2-Butanone	4000	4000		7100				50 U	50 U							
2-Chloroethyl Vinyl Ether					10 U	10 U	10 U	50 U	50 U					1000 U	1000 U	
2-Hexanone	11	44		47				50 U	50 U							
4-Methyl-2-Pentanone	2900	8200		2000				50 U	50 U							
Acetone	33000	92000		22000				50 U	50 U							
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045												
Benzene	5	5	5	0.41	20 U	20 U	2 U	5 U	5 U					200 U	200 U	0 U
Bromochloromethane	90	90														
Bromodichloromethane	80	80		0.12	10 U	10 U	2 U	5 U	5 U					200 U	200 U	0 U
Bromoform	80	80		8.5	2 U	2 U	2 U	5 U	5 U					200 U	200 U	
Bromomethane	10	10		8.7	5 U	5 U	5 U	10 U	10 U					500 U	500 U	
Carbon Disulfide	1500	6200		1000				5 U	5 U							
Carbon Tetrachloride	5	5	5	0.44	20 U	20 U	1 U	5 U	5 U					100 U	100 U	0 U
Chlorobenzene	100	100	100	91	10	20	1 U	25	10					100 U	100 U	0 U
Chlorodibromomethane	80	80		0.15	100 U	50 U	2 U	5 U	5 U					200 U	200 U	
Chloroethane	230	900		21000	1 U	1 U	1 U	10 U	10 U					100 U	100 U	0 U
Chloroform	80	80		0.19	5	5	1 U	5 U	5 U					100 U	100 U	0 U
Chloromethane	30	30		190	5 U	5 U	5 U	10 U	10 U					500 U	500 U	
cis-1,2-Dichloroethene	70	70	70	73				430	200	420	420					220
cis-1,3-Dichloropropene	6.6	26		0.43				5 U	5 U							
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	5 U	5 U					100 U	100 U	0 U
Methyl tert-butyl ether	20	20		12												
Methylene chloride	5	5		4.8	2 U	2 U	2 U	10 U	10 U					200 U	200 U	0 U
Styrene	100	100	100	1600				5 U	5 U							
Tetrachloroethene	5	5	5	0.11	260	330	42	110	910	3000	3900	3700	2700	1900	1500	2600
Toluene	1000	1000	1000	2300	2 U	2 U	2 U	5 U	5 U					200 U	200 U	0 U
Total VOCs																4311

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 2.4-3
Groundwater Data Summary - VOC 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-9 2/19/1990	CW-9 2/28/1990	CW-9 4/3/1990	CW-9 5/24/1994	CW-9 7/11/1994	CW-9 12/15/1994	CW-9 6/2/1995	CW-9 12/7/1995	CW-9 6/6/1996	CW-9 12/2/1996	CW-9 6/5/1997	CW-9 12/1/1998
trans-1,2-Dichloroethene	100	100	100	110	240	210	25	5 U	5 U					100 U	100 U	0 U
trans-1,3-Dichloropropene	6.6	26		0.43				5 U	5 U							
Trichloroethene	5	5	5	2	360	340	14	210	440	1300	3900	2400	1500	880	720	1200
Vinyl Acetate	420	1800		410				50 U	50 U							
Vinyl Chloride	2	2	2	0.016	5	12	1	10 U	10 U	5		5		100 U	100 U	0 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	200				25 U	25 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 2.4-3
Groundwater Data Summary - VOC 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-9 6/8/1999	CW-9 12/22/1999	CW-9 6/2/2000	CW-9 6/20/2001	CW-9 12/1/2001	CW-9 12/7/2001	CW-9 6/14/2002	CW-9 12/6/2002	CW-9 6/9/2003	CW-9 12/5/2003	CW-9 4/16/2004
TOTAL VOC															
				120	3506	4512.2	7476.2	9324	5582	3692	6225.6	4319.6	3215.4	2321.7	995
Volatile Organic Compound															
1,1,1,2-Tetrachloroethane	70	70		0.52											
1,1,1-Trichloroethane	200	200	200	9100	200	120	101	118	331	112	41	82	98.1	94	70
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067											10 U
1,1,2-Trichloroethane	5	5	5	0.24	0 U	0 U	0 U	52		0 U	0 U	0 U	0 U	0 U	30 U
1,1,2-Trichlorofluoromethane	2000	2000		1300											
1,1,2-Trichlorotrifluoroethane	63000	170000		59000											
1,1-Dichloroethane	31	160		2.4	0 U	0 U	5.5	8.1	18	0 U	0 U	5.9	8.7	7.7	7.1 J
1,1-Dichloroethene	7	7	7	340	33	13	12	16	46	15	0 U	14	21.9	15.8	20
1,2-Dibromoethane	0.05	0.05	0.05	0.0065											
1,2-Dichloroethane	5	5	5	0.15	10	0 U	0 U	0 U		0 U	0 U	0 U	0 U	0 U	20 U
1,2-Dichloroethene	70	70	70	330											
1,2-Dichloropropane	5	5	5	0.39											10 U
1,3-Dichlorobenzene	600	600													
1,3-Dichloropropene	6.6	26		0.43											
1,4-Dioxane	6.4	32		0.67											
2-Butanone	4000	4000		7100											50 U
2-Chloroethyl Vinyl Ether															50 U
2-Hexanone	11	44		47											
4-Methyl-2-Pentanone	2900	8200		2000											
Acetone	33000	92000		22000				0 U			0 U				
Acrolein	0.042	0.18		0.042											1000 U
Acrylonitrile	0.72	3.7		0.045											500 U
Benzene	5	5	5	0.41	0 U	0 U	0 U	0 U		0 U	0 U	0 U	0 U	0 U	10 U
Bromochloromethane	90	90													
Bromodichloromethane	80	80		0.12	0 U	0 U	0 U	0 U	0 U		0 U	0 U	0 U	0 U	10 U
Bromoform	80	80		8.5											40 U
Bromomethane	10	10		8.7											50 U
Carbon Disulfide	1500	6200		1000				0 U			0 U				
Carbon Tetrachloride	5	5	5	0.44	0 U	0 U	0 U	0 U	0 U		0 U	0 U	0 U	0 U	20 U
Chlorobenzene	100	100	100	91	0 U	0 U	1.3	0 U		0 U	0 U	0 U	0 U	0 U	4.6 J
Chlorodibromomethane	80	80		0.15											50 U
Chloroethane	230	900		21000	0 U	0 U	0 U	0 U	0 U		0 U	0 U	0 U	0 U	50 U
Chloroform	80	80		0.19	0 U	0 U	1.3	0 U	0 U		0 U	1.9	2.1	2.2	50 U
Chloromethane	30	30		190											50 U
cis-1,2-Dichloroethene	70	70	70	73	240	140	112	168	377	148	124	137			120
cis-1,3-Dichloropropene	6.6	26		0.43											50 U
Ethylbenzene	700	700	700	1.5	0 U	0 U	0 U	0 U	0 U		0 U	0 U	0 U	0 U	40 U
Methyl tert-butyl ether	20	20		12											
Methylene chloride	5	5		4.8	0 U	0 U	0 U	0 U		0 U	0 U	0 U	0 U	0 U	30 U
Styrene	100	100	100	1600											
Tetrachloroethene	5	5	5	0.11	2400	840	1310	1590	2640	1610	1460	1140	1240	880	1300
Toluene	1000	1000	1000	2300	0 U	0 U	0 U	0 U	0 U		0 U	0 U	0 U	0 U	50 U
Total VOCs					4083	1753	2256.1	3738.1	4662	2791	1846	3112.8	2159.8	1607.7	

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 2.4-3
Groundwater Data Summary - VOC 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-9 6/8/1999	CW-9 12/22/1999	CW-9 6/2/2000	CW-9 6/20/2001	CW-9 12/1/2001	CW-9 12/7/2001	CW-9 6/14/2002	CW-9 12/6/2002	CW-9 6/9/2003	CW-9 12/5/2003	CW-9 4/16/2004
trans-1,2-Dichloroethene	100	100	100	110	0 U	0 U	0 U	1100		0 U	0 U	1200	0 U	0 U	50 U
trans-1,3-Dichloropropene	6.6	26		0.43											50 U
Trichloroethene	5	5	5	2	1200	640	713	686	1250	906	221	532	789	608	800
Vinyl Acetate	420	1800		410											
Vinyl Chloride	2	2	2	0.016	0 U	0 U	0 U	0 U		0 U	0 U	0 U	0 U	0 U	50 U
VOC Library Search															
Xylenes (Total)	10000	10000	10000	200				0 U			0 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 2.4-3
Groundwater Data Summary - VOC 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-9 6/4/2004	CW-9 12/10/2004	CW-9 6/13/2005	CW-9 12/9/2005	CW-9 6/20/2006	CW-9 6/19/2007	CW-9 12/12/2007	CW-9 5/6/2008	CW-9 9/11/2008	CW-9 6/15/2009	CW-9 12/16/2009	CW-9 7/7/2010
TOTAL VOC																
				120	2222.6	2418.5	1629	639.3	1504.2	3492	1316.7	1459.3	1703.9	976.3	1474.7	1703.4
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52								25 U	25 U	25 U	25 U	25 U
1,1,1-Trichloroethane	200	200	200	9100	31	73	67	49 J	24	55	150	39	40	66	31	35
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	5 U	10 U	10 U	50 U	10 U	25 U	75 U	25 U	25 U	25 U	25 U	25 U
1,1,2-Trichloroethane	5	5	5	0.24	15 U	30 U	30 U	50 U	10 U	25 U	75 U	25 U	25 U	25 U	25 U	25 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1,2-Trichlorotrifluoroethane	63000	170000		59000												
1,1-Dichloroethane	31	160		2.4	4.9 J	5.6 J	50 U	50 U	10 U	25 U	18 J	25 U	25 U	6.9 J	25 U	4.7 J
1,1-Dichloroethene	7	7	7	340	10	14 J	14 J	50 U	10 U	13 J	24 J	9.6 J	9.3 J	16 J	8.3 J	12 J
1,2-Dibromoethane	0.05	0.05	0.05	0.0065								25 U	25 U	25 U	25 U	25 U
1,2-Dichloroethane	5	5	5	0.15	10 U	20 U	20 U	50 U	10 U	25 U	75 U	25 U	25 U	25 U	25 U	25 U
1,2-Dichloroethene	70	70	70	330												
1,2-Dichloropropane	5	5	5	0.39	5 U	10 U	10 U	50 U	10 U	25 U	75 U	25 U	25 U	25 U	25 U	25 U
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.43												
1,4-Dioxane	6.4	32		0.67	5000 U	10000 U	10000 U	10000 U	2000 U	5000 U	15000 U	5000 U	5000 U	5000 U	5000 U	5000 U
2-Butanone	4000	4000		7100	25 U	50 U	50 U	250 U	10 U	25 U	75 U	250 U	250 U	250 U	250 U	250 U
2-Chloroethyl Vinyl Ether					25 U	50 U	50 U	100 U	20 U	50 U	150 U					
2-Hexanone	11	44		47								250 U	250 U	250 U	250 U	250 U
4-Methyl-2-Pentanone	2900	8200		2000								250 U	250 U	250 U	250 U	250 U
Acetone	33000	92000		22000								250 U	250 U	250 U	250 U	250 U
Acrolein	0.042	0.18		0.042	500 U	1000 U	1000 U	1000 U	200 U	500 U	1500 U					
Acrylonitrile	0.72	3.7		0.045	250 U	500 U	500 U	1000 U	200 U	500 U	1500 U	500 U	500 U	500 U	500 U	500 U
Benzene	5	5	5	0.41	5 U	10 U	10 U	50 U	10 U	25 U	75 U	25 U	25 U	25 U	25 U	25 U
Bromochloromethane	90	90										25 U	25 U	25 U	25 U	25 U
Bromodichloromethane	80	80		0.12	5 U	10 U	10 U	50 U	10 U	25 U	75 U	25 U	25 U	25 U	25 U	25 U
Bromoform	80	80		8.5	20 U	40 U	40 U	50 U	10 U	25 U	75 U	25 U	25 U	25 U	25 U	25 U
Bromomethane	10	10		8.7	25 U	50 U	50 U	50 U	10 U	25 U	75 U	25 U	25 U	25 U	25 U	25 U
Carbon Disulfide	1500	6200		1000								25 U	25 U	25 U	25 U	310 B
Carbon Tetrachloride	5	5	5	0.44	10 U	20 U	20 U	50 U	10 U	25 U	75 U	25 U	25 U	25 U	25 U	25 U
Chlorobenzene	100	100	100	91	9.1 J	50 U	7.5 J	11 J	2.3 J	6.2 J	75 U	25 U	25 U	25 U	25 U	25 U
Chlorodibromomethane	80	80		0.15	25 U	50 U	50 U	50 U	10 U	25 U	75 U	25 U	25 U	25 U	25 U	25 U
Chloroethane	230	900		21000	25 U	50 U	50 U	50 U	10 U	25 U	75 U	25 U	25 U	25 U	25 U	25 U
Chloroform	80	80		0.19	25 U	50 U	50 U	50 U	10 U	25 U	75 U	25 U	25 U	25 U	25 U	25 U
Chloromethane	30	30		190	25 U	50 U	50 U	50 U	10 U	25 U	75 U	25 U	25 U	25 U	25 U	25 U
cis-1,2-Dichloroethene	70	70	70	73	90	120	120	99	53	100	300	81	70	94	57	73
cis-1,3-Dichloropropene	6.6	26		0.43	25 U	50 U	50 U	50 U	10 U	25 U	75 U	25 U	25 U	25 U	25 U	25 U
Ethylbenzene	700	700	700	1.5	20 U	40 U	40 U	50 U	10 U	25 U	75 U	25 U	25 U	25 U	25 U	25 U
Methyl tert-butyl ether	20	20		12								25 U	25 U	25 U	25 U	25 U
Methylene chloride	5	5		4.8	15 U	30 U	30 U	50 U	10 U	25 U	75 U	7.1 J	25 U	11 J	25 U	25 U
Styrene	100	100	100	1600								25 U	25 U	25 U	25 U	25 U
Tetrachloroethene	5	5	5	0.11	510	1300	1600	940	400	820	1800	740	940	950	540	660
Toluene	1000	1000	1000	2300	25 U	50 U	50 U	50 U	10 U	25 U	75 U	25 U	25 U	25 U	25 U	25 U
Total VOCs																

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 2.4-3
Groundwater Data Summary - VOC 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-9 6/4/2004	CW-9 12/10/2004	CW-9 6/13/2005	CW-9 12/9/2005	CW-9 6/20/2006	CW-9 6/19/2007	CW-9 12/12/2007	CW-9 5/6/2008	CW-9 9/11/2008	CW-9 6/15/2009	CW-9 12/16/2009	CW-9 7/7/2010
trans-1,2-Dichloroethene	100	100	100	110	25 U	50 U	50 U	50 U	10 U	25 U	75 U	25 U	25 U	25 U	25 U	25 U
trans-1,3-Dichloropropene	6.6	26		0.43	25 U	50 U	50 U	50 U	10 U	25 U	75 U	25 U	25 U	25 U	25 U	25 U
Trichloroethene	5	5	5	2	340	710	610	530	160	510	1200	440	400	560	340	380 B
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	25 U	50 U	50 U	50 U	10 U	25 U	75 U	25 U	25 U	25 U	25 U	25 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	200								75 U	75 U	75 U	75 U	75 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 2.4-3
Groundwater Data Summary - VOC 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-9 12/21/2010	CW-10 4/12/1990	CW-10 4/25/1990	CW-10 6/24/1993	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
TOTAL VOC																
				120	470	466	365	400	492	473	694	253	186	168	713	285
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52	25 U											
1,1,1-Trichloroethane	200	200	200	9100	60	11	11	5	5 U	5	25	24	10	8	5	90
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	25 U	5 U	10 U	5 U	5 U	5 U	1 U	1 U	2 U	2 U	1 U	50 U
1,1,2-Trichloroethane	5	5	5	0.24	25 U	10 U	10 U	5 U	5 U	2 U	10 U	20 U	2 U	2 U	1 U	5 U
1,1,2-Trichlorofluoromethane	2000	2000		1300		1 U	1 U				1 U	1 U				1 U
1,1,2-Trichlorotrifluoroethane	63000	170000		59000						1 U					1 U	
1,1-Dichloroethane	31	160		2.4	25 U	2	3	5 U	5 U	1 U	1 U	1 U	2 U	2 U	1 U	12
1,1-Dichloroethene	7	7	7	340	15 J	1 U	1 U	5 U	5 U	1 U	4	5	4	2 U	1	20
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	25 U											
1,2-Dichloroethane	5	5	5	0.15	25 U	1	1	5 U	5 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330						1					10	
1,2-Dichloropropane	5	5	5	0.39	25 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.43						1 U					1 U	
1,4-Dioxane	6.4	32		0.67	5000 U											
2-Butanone	4000	4000		7100	250 U			50 U	50 U				20 U	20 U		
2-Chloroethyl Vinyl Ether						10 U	10 U	50 U	50 U	10 U	10 U	10 U	20 U	20 U	10 U	10 U
2-Hexanone	11	44		47	250 U			50 U	50 U				20 U	20 U		
4-Methyl-2-Pentanone	2900	8200		2000	250 U			50 U	50 U				20 U	20 U		
Acetone	33000	92000		22000	250 U			50 U	50 U				20 U	20 U		
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045	500 U											
Benzene	5	5	5	0.41	25 U	20 U	20 U	5 U	5 U	5 U	20 U	40 U	2 U	2 U	2 U	10 U
Bromochloromethane	90	90			25 U											
Bromodichloromethane	80	80		0.12	25 U			5 U	5 U	2 U			2 U	2 U	2 U	
Bromoform	80	80		8.5	25 U	2 U	2 U	5 U	5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bromomethane	10	10		8.7	25 U	5 U	5 U	10 U	10 U	5 U	5 U	5 U	4 U	4 U	5 U	5 U
Carbon Disulfide	1500	6200		1000	9.4 J			5 U	5 U				2 U	2 U		
Carbon Tetrachloride	5	5	5	0.44	25 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U	2 U	2 U	1 U	10 U
Chlorobenzene	100	100	100	91	25 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	25 U	20 U	20 U	5 U	5 U	5 U	20 U	50 U	2 U	2 U	2 U	10 U
Chloroethane	230	900		21000	25 U	1 U	1 U	10 U	10 U	1 U	1 U	1 U	4 U	4 U	1 U	1 U
Chloroform	80	80		0.19	25 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U	2 U	2 U	1 U	1
Chloromethane	30	30		190	25 U	5 U	5 U	10 U	10 U	5 U	5 U	5 U	4 U	4 U	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	73	79	2 U	2 U	5 U	5 U		37	38	25	16		90
cis-1,3-Dichloropropene	6.6	26		0.43	25 U	1 U	1 U	5 U	5 U		1 U	1 U	2 U	2 U		1 U
Ethylbenzene	700	700	700	1.5	25 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U	2 U	2 U	5 U	1 U
Methyl tert-butyl ether	20	20		12	25 U											
Methylene chloride	5	5		4.8	25 U	2 U	2 U	10 U	10 U	2 U	2 U	2 U	4 U	4 U	2 U	2 U
Styrene	100	100	100	1600	25 U			5 U	5 U				20 U	2 U		
Tetrachloroethene	5	5	5	0.11	990	36	31	30	30	36	7	7	4	2	2	270
Toluene	1000	1000	1000	2300	25 U	2 U	2 U	5 U	5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Total VOCs																

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 2.4-3
Groundwater Data Summary - VOC 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-9 12/21/2010	CW-10 4/12/1990	CW-10 4/25/1990	CW-10 6/24/1993	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
trans-1,2-Dichloroethene	100	100	100	110	25 U			5 U	5 U				2 U	2 U		
trans-1,3-Dichloropropene	6.6	26		0.43	25 U								2 U	2 U		
Trichloroethene	5	5	5	2	550	420	420	330	370	450	400	620	210	160	150	230
Vinyl Acetate	420	1800		410				50 U	50 U				20 U	20 U		
Vinyl Chloride	2	2	2	0.016	25 U	1 U	1 U	10 U	10 U	1 U	1 U	1 U	4 U	4 U	1 U	1 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	200	75 U			25 U	25 U				10 U	10 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 2.4-3
Groundwater Data Summary - VOC 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-12 9/21/1999	CW-12 3/29/2000	CW-12 6/21/2001	CW-12 6/12/2002	CW-12 6/3/2003	CW-12A 9/21/1999	CW-12A 3/20/2000	CW-12A 3/29/2000	CW-12A 3/30/2000	CW-13 1/21/1992
TOTAL VOC														
				120	134.6	145.3	137.7	112.4	447	152.46	152.46	153.6	34350	
Volatile Organic Compound														
1,1,1,2-Tetrachloroethane	70	70		0.52										
1,1,1-Trichloroethane	200	200	200	9100	47	27	4.5	4.8	4.2	8	5.56	5.56	5.6	10
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	5 U	1 U				5 U			1 U	50 U
1,1,2-Trichloroethane	5	5	5	0.24	5 U	1 U	0 U	0 U	0 U	5 U	0 U	0 U	1 U	200 U
1,1,2-Trichlorofluoromethane	2000	2000		1300		1 U							1 U	100 U
1,1,2-Trichlorotrifluoroethane	63000	170000		59000										
1,1-Dichloroethane	31	160		2.4	5 U	5.7	0 U	9.6	1.3	29	24.8	24.8	25	10 U
1,1-Dichloroethene	7	7	7	340	5 U	3.9	2.8	1.5	2.4	10	10.8	10.8	11	20
1,2-Dibromoethane	0.05	0.05	0.05	0.0065										
1,2-Dichloroethane	5	5	5	0.15	5 U	1 U	0 U	0 U	0 U	5 U	0 U	0 U	1 U	10 U
1,2-Dichloroethene	70	70	70	330	81					100				
1,2-Dichloropropane	5	5	5	0.39	5 U	1 U				5 U			1 U	1 U
1,3-Dichlorobenzene	600	600				2 U							2 U	
1,3-Dichloropropene	6.6	26		0.43										
1,4-Dioxane	6.4	32		0.67										
2-Butanone	4000	4000		7100	100 U					100 U				
2-Chloroethyl Vinyl Ether						1 U							1 U	100 U
2-Hexanone	11	44		47	100 U					100 U				
4-Methyl-2-Pentanone	2900	8200		2000	50 U					50 U				
Acetone	33000	92000		22000	100 U		0 U	0 U		100 U				
Acrolein	0.042	0.18		0.042										
Acrylonitrile	0.72	3.7		0.045										
Benzene	5	5	5	0.41	5 U		0 U	0 U	0 U	5 U				500 U
Bromochloromethane	90	90												
Bromodichloromethane	80	80		0.12	5 U	1 U	0 U	0 U	0 U	5 U			1 U	
Bromoform	80	80		8.5	5 U	1 U				5 U			1 U	20 U
Bromomethane	10	10		8.7	5 U	2 U				5 U			2 U	5 U
Carbon Disulfide	1500	6200		1000	50 U		0 U	0 U		50 U				
Carbon Tetrachloride	5	5	5	0.44	5 U	1 U	0 U	0 U	0 U	5 U	0 U	0 U	1 U	10 U
Chlorobenzene	100	100	100	91	5 U	2 U	0 U	0 U	0 U	5 U			2 U	10 U
Chlorodibromomethane	80	80		0.15	5 U	1 U				5 U			1 U	500 U
Chloroethane	230	900		21000	5 U	2 U	0 U	0 U	0 U	5 U			2 U	10 U
Chloroform	80	80		0.19	5 U	1 U	0 U	0 U	1.8	5 U	0 U	0 U	1 U	500 U
Chloromethane	30	30		190	5 U					5 U				5 U
cis-1,2-Dichloroethene	70	70	70	73			17	78						22000
cis-1,3-Dichloropropene	6.6	26		0.43	5 U	1 U				5 U			1 U	10 U
Ethylbenzene	700	700	700	1.5	5 U		0 U	0 U	0 U	5 U				10 U
Methyl tert-butyl ether	20	20		12										
Methylene chloride	5	5		4.8	5 U	1 U	0 U	0 U	0 U	5 U	0 U	0 U	1 U	20 U
Styrene	100	100	100	1600	5 U					5 U				
Tetrachloroethene	5	5	5	0.11	72	70	28	35	27.1	120	37.5	37.5	38	120
Toluene	1000	1000	1000	2300	5 U		0 U	0 U	0 U	5 U				20 U
Total VOCs														

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 2.4-3
Groundwater Data Summary - VOC 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-12 9/21/1999	CW-12 3/29/2000	CW-12 6/21/2001	CW-12 6/12/2002	CW-12 6/3/2003	CW-12A 9/21/1999	CW-12A 3/20/2000	CW-12A 3/29/2000	CW-12A 3/30/2000	CW-13 1/21/1992
trans-1,2-Dichloroethene	100	100	100	110		1 U	0 U	0 U	0 U		0 U	0 U	1 U	
trans-1,3-Dichloropropene	6.6	26		0.43	5 U	1 U				5 U			1 U	
Trichloroethene	5	5	5	2	85	28	93	8.8	75.6	180	73.8	73.8	74	11000
Vinyl Acetate	420	1800		410										
Vinyl Chloride	2	2	2	0.016	5 U	1 U	0 U	0 U	0 U	5 U	0 U	0 U	1 U	1200
VOC Library Search					0 U					0 U				
Xylenes (Total)	10000	10000	10000	200	5 U		0 U	0 U		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 2.4-3
Groundwater Data Summary - VOC 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-13 2/10/1992	CW-13 5/24/1994	CW-13 7/11/1994	CW-13 12/15/1994	CW-13 6/2/1995	CW-13 12/7/1995	CW-13 6/6/1996	CW-13 12/2/1996	CW-13 6/5/1997	CW-13 12/1/1998	CW-13 6/8/1999
TOTAL VOC															
				17855	18370	11000	8188	6297	7069	5917	2720	1730	4460	6076	4536
Volatile Organic Compound															
1,1,1,2-Tetrachloroethane	70	70		0.52											
1,1,1-Trichloroethane	200	200	200	9100	10	100 U	100 U	360	360	370	220	180	100 U	120	100
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	20 U	100 U	100 U					100 U	100 U		
1,1,2-Trichloroethane	5	5	5	0.24	100 U	100 U	100 U					100 U	100 U	0 U	0 U
1,1,2-Trichlorofluoromethane	2000	2000		1300	100 U										
1,1,2-Trichlorotrifluoroethane	63000	170000		59000											
1,1-Dichloroethane	31	160		2.4	5 U	100 U	100 U	6		12	8	100 U	100 U	0 U	0 U
1,1-Dichloroethene	7	7	7	340	15	100 U	100 U	33	36	110	38	100 U	100 U	0 U	44
1,2-Dibromoethane	0.05	0.05	0.05	0.0065											
1,2-Dichloroethane	5	5	5	0.15	5 U	100 U	100 U					100 U	100 U	0 U	0 U
1,2-Dichloroethene	70	70	70	330						2300	2200				
1,2-Dichloropropane	5	5	5	0.39	1 U	100 U	100 U					100 U	100 U		
1,3-Dichlorobenzene	600	600													
1,3-Dichloropropene	6.6	26		0.43								100 U	100 U		
1,4-Dioxane	6.4	32		0.67											
2-Butanone	4000	4000		7100		1000 U	1000 U								
2-Chloroethyl Vinyl Ether					50 U	1000 U	1000 U					1000 U	1000 U		
2-Hexanone	11	44		47		1000 U	1000 U								
4-Methyl-2-Pentanone	2900	8200		2000		1000 U	1000 U								
Acetone	33000	92000		22000		1000 U	1000 U								
Acrolein	0.042	0.18		0.042											
Acrylonitrile	0.72	3.7		0.045											
Benzene	5	5	5	0.41	200 U	100 U	100 U					200 U	200 U	0 U	0 U
Bromochloromethane	90	90													
Bromodichloromethane	80	80		0.12		100 U	100 U					200 U	200 U	0 U	0 U
Bromoform	80	80		8.5	10 U	100 U	100 U					200 U	200 U		
Bromomethane	10	10		8.7	5 U	200 U	200 U					500 U	500 U		
Carbon Disulfide	1500	6200		1000		100 U	100 U								
Carbon Tetrachloride	5	5	5	0.44	5 U	100 U	100 U					100 U	100 U	0 U	0 U
Chlorobenzene	100	100	100	91	5 U	100 U	100 U					100 U	100 U	0 U	0 U
Chlorodibromomethane	80	80		0.15	200 U	100 U	100 U					200 U	200 U		
Chloroethane	230	900		21000	5 U	200 U	200 U					100 U	100 U	0 U	0 U
Chloroform	80	80		0.19	200 U	100 U	100 U					100 U	100 U	0 U	10
Chloromethane	30	30		190	5 U	200 U	200 U					500 U	500 U		
cis-1,2-Dichloroethene	70	70	70	73	12000	12000	6600	3700	2200					730	970
cis-1,3-Dichloropropene	6.6	26		0.43	5 U	100 U	100 U								
Ethylbenzene	700	700	700	1.5	5 U	100 U	100 U					100 U	100 U	0 U	0 U
Methyl tert-butyl ether	20	20		12											
Methylene chloride	5	5		4.8	10 U	200 U	200 U					200 U	200 U	0 U	0 U
Styrene	100	100	100	1600		100 U	100 U								
Tetrachloroethene	5	5	5	0.11	90	100 U	100 U	220	270	430	320	340	230	280	290
Toluene	1000	1000	1000	2300	10 U	100 U	100 U					200 U	200 U	0 U	0 U
Total VOCs														2230	3038

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 2.4-3
Groundwater Data Summary - VOC 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-13 2/10/1992	CW-13 5/24/1994	CW-13 7/11/1994	CW-13 12/15/1994	CW-13 6/2/1995	CW-13 12/7/1995	CW-13 6/6/1996	CW-13 12/2/1996	CW-13 6/5/1997	CW-13 12/1/1998	CW-13 6/8/1999
trans-1,2-Dichloroethene	100	100	100	110		100 U	100 U					100 U	100 U	0 U	0 U
trans-1,3-Dichloropropene	6.6	26		0.43		100 U	100 U								
Trichloroethene	5	5	5	2	5300	5900	4400	3800	3400	3800	3100	2200	1500	1100	1600
Vinyl Acetate	420	1800		410		1000 U	1000 U								
Vinyl Chloride	2	2	2	0.016	440	470	200 U	69	31	47	31	100 U	100 U	0 U	24
VOC Library Search															
Xylenes (Total)	10000	10000	10000	200		500 U	500 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 2.4-3
Groundwater Data Summary - VOC 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-13 12/22/1999	CW-13 6/2/2000	CW-13 6/20/2001	CW-13 12/1/2001	CW-13 12/7/2001	CW-13 6/14/2002	CW-13 12/6/2002	CW-13 6/9/2003	CW-13 12/5/2003	CW-13 6/4/2004	CW-13 12/10/2004	CW-13 6/13/2005
TOTAL VOC																
				17855	7006	4429.2	4072	3832	3880	4324.2	2163.8	2675	2322.9	1834.3	1427	1746
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52												
1,1,1-Trichloroethane	200	200	200	9100	96	93	75	70	51	41	40	40.3	47.6	23 J	11 J	8 J
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067										10 U	10 U	10 U
1,1,2-Trichloroethane	5	5	5	0.24	0 U	1	1.1	0 U		0 U	0 U	0 U	0 U	30 U	30 U	30 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1,2-Trichlorotrifluoroethane	63000	170000		59000												
1,1-Dichloroethane	31	160		2.4	10	9.7	11	0 U		0 U	6.5	6.5	7.2	50 U	50 U	50 U
1,1-Dichloroethene	7	7	7	340	34	38	33	36	22	19	22	19.3	23.6	18 J	6.3 J	20 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065												
1,2-Dichloroethane	5	5	5	0.15	0 U	0 U	0 U	0 U		0 U	0 U	0 U	0 U	20 U	20 U	20 U
1,2-Dichloroethene	70	70	70	330												
1,2-Dichloropropane	5	5	5	0.39										10 U	10 U	10 U
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.43												
1,4-Dioxane	6.4	32		0.67										10000 U	10000 U	10000 U
2-Butanone	4000	4000		7100										50 U	50 U	50 U
2-Chloroethyl Vinyl Ether														50 U	50 U	50 U
2-Hexanone	11	44		47												
4-Methyl-2-Pentanone	2900	8200		2000												
Acetone	33000	92000		22000			0 U			0 U						
Acrolein	0.042	0.18		0.042										1000 U	1000 U	1000 U
Acrylonitrile	0.72	3.7		0.045										500 U	500 U	500 U
Benzene	5	5	5	0.41	0 U	0 U	0 U		0 U	0 U	0 U	0 U	0 U	10 U	10 U	10 U
Bromochloromethane	90	90														
Bromodichloromethane	80	80		0.12	0 U	0 U	0 U		0 U	0 U	0 U	0 U	0 U	10 U	10 U	10 U
Bromoform	80	80		8.5										40 U	40 U	40 U
Bromomethane	10	10		8.7										50 U	50 U	50 U
Carbon Disulfide	1500	6200		1000			0 U			0 U						
Carbon Tetrachloride	5	5	5	0.44	0 U	0 U	0 U		0 U	0 U	0 U	0 U	0 U	20 U	20 U	20 U
Chlorobenzene	100	100	100	91	0 U	0 U	0 U		0 U	0 U	0 U	0 U	0 U	50 U	50 U	50 U
Chlorodibromomethane	80	80		0.15										50 U	50 U	50 U
Chloroethane	230	900		21000	0 U	0 U	0 U	0 U		0 U	0 U	0 U	0 U	50 U	50 U	50 U
Chloroform	80	80		0.19	0 U	0 U	0 U	0 U		0 U	0 U	0 U	0 U	50 U	50 U	50 U
Chloromethane	30	30		190										50 U	50 U	50 U
cis-1,2-Dichloroethene	70	70	70	73	730	1050	735	716	650	680	797			1100	880	770
cis-1,3-Dichloropropene	6.6	26		0.43										50 U	50 U	50 U
Ethylbenzene	700	700	700	1.5	0 U	0 U	0 U		0 U	0 U	0 U	0 U	0 U	40 U	40 U	40 U
Methyl tert-butyl ether	20	20		12												
Methylene chloride	5	5		4.8	0 U	0 U	0 U	0 U		0 U	0 U	0 U	0 U	30 U	30 U	30 U
Styrene	100	100	100	1600												
Tetrachloroethene	5	5	5	0.11	270	448	226	248	267	248	222	224	237	260	200	150
Toluene	1000	1000	1000	2300	0 U	0 U	0 U		0 U	0 U	0 U	0 U	0 U	50 U	50 U	50 U
Total VOCs					2268	3503	2214.6	2036	1916	1940	2162.1	1081.9	1337.5			

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 2.4-3
Groundwater Data Summary - VOC 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-13 12/22/1999	CW-13 6/2/2000	CW-13 6/20/2001	CW-13 12/1/2001	CW-13 12/7/2001	CW-13 6/14/2002	CW-13 12/6/2002	CW-13 6/9/2003	CW-13 12/5/2003	CW-13 6/4/2004	CW-13 12/10/2004	CW-13 6/13/2005
trans-1,2-Dichloroethene	100	100	100	110	0 U	6.2	5.6	0 U	11	0 U	8.3	16.1	4.4	6.9 J	50 U	50 U
trans-1,3-Dichloropropene	6.6	26		0.43										50 U	50 U	50 U
Trichloroethene	5	5	5	2	1100	1850	1120	966	915	952	1060	772	1010	900	710	480
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	28	7.1	7.9	0 U		0 U	6.3	3.7	7.7	15 J	27 J	19 J
VOC Library Search																
Xylenes (Total)	10000	10000	10000	200			0 U			0 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 2.4-3
Groundwater Data Summary - VOC 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-13 12/9/2005	CW-13 6/20/2006	CW-13 6/25/2007	CW-13 12/12/2007	CW-13 5/7/2008	CW-13 9/11/2008	CW-13 6/15/2009	CW-13 12/16/2009	CW-13 7/7/2010	CW-13 12/21/2010	CW-14 1/16/1992	CW-14 2/10/1992
TOTAL VOC																
				17855	1571	1575	1023.7	1056	1063.7	1370.8	1040.6	1150	768.6	5165	3126	2535
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52					25 U	25 U	25 U	25 U	25 U	25 U		
1,1,1-Trichloroethane	200	200	200	9100	20 J	25 U	50 U	10 J	25 U	8.7 J	14 J	10 J	25 U	11 J	140	55
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	50 U	25 U	50 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	50 U	20 U
1,1,2-Trichloroethane	5	5	5	0.24	50 U	25 U	50 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	50 U	20 U
1,1,2-Trichlorofluoromethane	2000	2000		1300											50 U	50 U
1,1,2-Trichlorotrifluoroethane	63000	170000		59000												
1,1-Dichloroethane	31	160		2.4	50 U	25 U	50 U	25 U	25 U	25 U	25 U	25 U	3.8 J	25 U	5	20
1,1-Dichloroethene	7	7	7	340	50 U	25 U	50 U	7.7 J	25 U	11 J	12 J	8.6 J	9 J	10 J	45	43
1,2-Dibromoethane	0.05	0.05	0.05	0.0065					25 U	25 U	25 U	25 U	25 U	25 U		
1,2-Dichloroethane	5	5	5	0.15	50 U	25 U	50 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330												
1,2-Dichloropropane	5	5	5	0.39	50 U	25 U	50 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	1 U	1 U
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.43												
1,4-Dioxane	6.4	32		0.67	10000 U	5000 U	10000 U	5000 U	5000 U	5000 U	5000 U	5000 U	5000 U	5000 U		
2-Butanone	4000	4000		7100	250 U	25 U	50 U	25 U	250 U	250 U	250 U	250 U	250 U	250 U		
2-Chloroethyl Vinyl Ether					100 U	50 U	100 U	50 U							10 U	10 U
2-Hexanone	11	44		47					250 U	250 U	250 U	250 U	250 U	250 U		
4-Methyl-2-Pentanone	2900	8200		2000					250 U	250 U	250 U	250 U	250 U	250 U		
Acetone	33000	92000		22000					250 U	250 U	250 U	250 U	250 U	250 U		
Acrolein	0.042	0.18		0.042	1000 U	500 U	1000 U	500 U								
Acrylonitrile	0.72	3.7		0.045	1000 U	500 U	1000 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U		
Benzene	5	5	5	0.41	50 U	25 U	50 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	100 U	50 U
Bromochloromethane	90	90							25 U	25 U	25 U	25 U	25 U	25 U		
Bromodichloromethane	80	80		0.12	50 U	25 U	50 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U		
Bromoform	80	80		8.5	50 U	25 U	50 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	2 U	2 U
Bromomethane	10	10		8.7	50 U	25 U	50 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	5 U	5 U
Carbon Disulfide	1500	6200		1000					25 U	25 U	25 U	25 U	280 B	7.6 J		
Carbon Tetrachloride	5	5	5	0.44	50 U	25 U	50 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	10 U	5 U
Chlorobenzene	100	100	100	91	50 U	25 U	50 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	50 U	25 U	50 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	100 U	50 U
Chloroethane	230	900		21000	50 U	25 U	50 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	1 U	3
Chloroform	80	80		0.19	50 U	25 U	50 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	50 U	100 U
Chloromethane	30	30		190	50 U	25 U	50 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	73	790	760	910	560	480	440	500	430	350	270	2000	1900
cis-1,3-Dichloropropene	6.6	26		0.43	50 U	25 U	50 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	50 U	25 U	50 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	1 U	1 U
Methyl tert-butyl ether	20	20		12					25 U	25 U	25 U	25 U	25 U	25 U		
Methylene chloride	5	5		4.8	50 U	25 U	50 U	25 U	14 J	25 U	8.8 J	25 U	25 U	25 U	2 U	2 U
Styrene	100	100	100	1600					25 U	25 U	25 U	25 U	25 U	25 U		
Tetrachloroethene	5	5	5	0.11	220	210	190	76	120	180	220	160	150	140	160	94
Toluene	1000	1000	1000	2300	50 U	25 U	50 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	2 U	2 U
Total VOCs																

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 2.4-3
Groundwater Data Summary - VOC 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-13 12/9/2005	CW-13 6/20/2006	CW-13 6/25/2007	CW-13 12/12/2007	CW-13 5/7/2008	CW-13 9/11/2008	CW-13 6/15/2009	CW-13 12/16/2009	CW-13 7/7/2010	CW-13 12/21/2010	CW-14 1/16/1992	CW-14 2/10/1992
trans-1,2-Dichloroethene	100	100	100	110	50 U	25 U	50 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U		
trans-1,3-Dichloropropene	6.6	26		0.43	50 U	25 U	50 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U		
Trichloroethene	5	5	5	2	690	580	460	360	430	410	600	420	350 B	330	2800	1000
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	26 J	21 J	15 J	10 J	12 J	14 J	16 J	12 J	7.2 J	25 U	15	11
VOC Library Search																
Xylenes (Total)	10000	10000	10000	200					75 U	75 U	75 U	75 U	75 U	75 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 2.4-3
Groundwater Data Summary - VOC 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 6/15/1994	CW-14 7/11/1994	CW-14 1/4/1995	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
TOTAL VOC															
				17855	3560	1674	1226	899.7	29992	9528	327800	294800	325000	347000	239300
Volatile Organic Compound															
1,1,1,2-Tetrachloroethane	70	70		0.52				25 U	25 U						
1,1,1-Trichloroethane	200	200	200	9100	9	400	110	25 U	25 U	7800	2100	110000	110000	110000	130000
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	20 U		25 U	25 U	5 U	10 U	2000 U	1000 U	1000 U	1000 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	20 U		25 U	25 U	5 U	10 U	5000 U	1000 U	1000 U	1000 U
1,1,2-Trichlorofluoromethane	2000	2000		1300							10 U	200 U	100 U		
1,1,2-Trichlorotrifluoroethane	63000	170000		59000											
1,1-Dichloroethane	31	160		2.4	3	20 U	6	25 U	25 U	890	350	1200	500	1000 U	1000 U
1,1-Dichloroethene	7	7	7	340	4	140	36	25 U	25 U	370	170	15000	15000	24000	19000
1,2-Dibromoethane	0.05	0.05	0.05	0.0065				25 U	25 U						
1,2-Dichloroethane	5	5	5	0.15	1 U	20 U		25 U	25 U	5 U	10 U	200 U	200	1000 U	1000 U
1,2-Dichloroethene	70	70	70	330						1700					
1,2-Dichloropropane	5	5	5	0.39	1 U	20 U		25 U	25 U	5 U	10 U	200 U	200 U	1000 U	1000 U
1,3-Dichlorobenzene	600	600									20 U				
1,3-Dichloropropene	6.6	26		0.43											
1,4-Dioxane	6.4	32		0.67				5000 U	5000 U						
2-Butanone	4000	4000		7100	10 U	200 U		250 U	250 U	100 U					10000 U
2-Chloroethyl Vinyl Ether					10 U	200 U					10 U	2000 U	1000 U	10000 U	10000 U
2-Hexanone	11	44		47	10 U	200 U		250 U	250 U	100 U					10000 U
4-Methyl-2-Pentanone	2900	8200		2000	10 U	200 U		250 U	250 U	50 U					10000 U
Acetone	33000	92000		22000	10 U	200 U		250 U	250 U	100 U					10000 U
Acrolein	0.042	0.18		0.042											
Acrylonitrile	0.72	3.7		0.045				500 U	500 U						
Benzene	5	5	5	0.41	1 U	20 U		25 U	25 U	5 U		10000 U	3000 U	1000 U	1000 U
Bromochloromethane	90	90						25 U	25 U						
Bromodichloromethane	80	80		0.12	1 U	20 U		25 U	25 U	5 U	10 U				1000 U
Bromoform	80	80		8.5	1 U	20 U		25 U	25 U	5 U	10 U	400 U	200 U	1000 U	1000 U
Bromomethane	10	10		8.7	2 U	40 U		25 U	25 U	5 U	20 U	1000 U	1000 U	1000 U	2000 U
Carbon Disulfide	1500	6200		1000	1 U	20 U		25 U	25 U	50 U					1000 U
Carbon Tetrachloride	5	5	5	0.44	1 U	20 U		25 U	25 U	5 U	10 U	10000 U	10000 U	1000 U	1000 U
Chlorobenzene	100	100	100	91	1 U	20 U		25 U	25 U	5 U	20 U	200 U	100 U	1000 U	1000 U
Chlorodibromomethane	80	80		0.15	1 U	20 U		25 U	25 U	5 U	10 U	10000 U	3000 U	1000 U	1000 U
Chloroethane	230	900		21000	2 U	40 U		25 U	25 U	5 U	20 U	200 U	100 U	2000 U	2000 U
Chloroform	80	80		0.19	1 U	20 U		25 U	25 U	5 U	10 U	200 U	100 U	1000 U	10000 U
Chloromethane	30	30		190	2 U	40 U		25 U	25 U	5 U		1000 U	1000 U	1000 U	2000 U
cis-1,2-Dichloroethene	70	70	70	73	1200	440	390	660	420			600	400	1000 U	
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	20 U		25 U	25 U	5 U	10 U	200 U	100 U	1000 U	1000 U
Ethylbenzene	700	700	700	1.5	1 U	20 U		25 U	25 U	5 U		200 U	100 U	1000 U	1000 U
Methyl tert-butyl ether	20	20		12				25 U	25 U						
Methylene chloride	5	5		4.8	2 U	40 U		11 J	9.7 J	5 U	10 U	400 U	200	2000 U	2000 U
Styrene	100	100	100	1600	1 U	20 U		25 U	25 U	5 U					1000 U
Tetrachloroethene	5	5	5	0.11	12	380	130	25 U	25 U	1200	570	11000	8500	21000	18000
Toluene	1000	1000	1000	2300	1 U	20 U		25 U	25 U	5 U		400 U	200 U	1000 U	1000 U
Total VOCs															

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 2.4-3
Groundwater Data Summary - VOC 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 6/15/1994	CW-14 7/11/1994	CW-14 1/4/1995	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
trans-1,2-Dichloroethene	100	100	100	110	4	20 U		25 U	25 U		12				1000 U
trans-1,3-Dichloropropene	6.6	26		0.43	1 U	20 U		25 U	25 U	5 U	10 U				
Trichloroethene	5	5	5	2	1300	2200	1000	530	460	18000	6300	190000	160000	170000	180000
Vinyl Acetate	420	1800		410	10 U	200 U									10000 U
Vinyl Chloride	2	2	2	0.016	3	40 U	2	25	10 J	32	26	200 U	100 U	2000 U	2000 U
VOC Library Search										0 U					
Xylenes (Total)	10000	10000	10000	200	5 U	100 U		75 U	75 U	5 U					5000 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 2.4-3
Groundwater Data Summary - VOC 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 7/11/1994	CW-15A 12/15/1994	CW-15A 6/2/1995	CW-15A 12/7/1995	CW-15A 6/6/1996	CW-15A 12/2/1996	CW-15A 6/5/1997	CW-15A 12/1/1998	CW-15A 6/8/1999	CW-15A 12/22/1999
TOTAL VOC														
				17855	185910	126890	100540	83240	51000	51200	61600	49200	65620	67768.2
Volatile Organic Compound														
1,1,1,2-Tetrachloroethane	70	70		0.52										
1,1,1-Trichloroethane	200	200	200	9100	99000	74000	52000	36000	33000	18000	20000	11000	0 U	12000
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1000 U					1000 U	1000 U			
1,1,2-Trichloroethane	5	5	5	0.24	1000 U					1000 U	1000 U	0 U	0 U	0 U
1,1,2-Trichlorofluoromethane	2000	2000		1300										
1,1,2-Trichlorotrifluoroethane	63000	170000		59000										
1,1-Dichloroethane	31	160		2.4	1000 U	210	540	240	140	1000 U	1000 U	0 U	0 U	110
1,1-Dichloroethene	7	7	7	340	13000	12000	5200	5400	3400	2400	2400	1900	2700	2800
1,2-Dibromoethane	0.05	0.05	0.05	0.0065										
1,2-Dichloroethane	5	5	5	0.15	1000 U					1000 U	1000 U	0 U	0 U	0 U
1,2-Dichloroethene	70	70	70	330				1100	1200					
1,2-Dichloropropane	5	5	5	0.39	1000 U					1000 U	1000 U			
1,3-Dichlorobenzene	600	600												
1,3-Dichloropropene	6.6	26		0.43						1000 U	1000 U			
1,4-Dioxane	6.4	32		0.67										
2-Butanone	4000	4000		7100	10000 U									
2-Chloroethyl Vinyl Ether					10000 U					10000 U	10000 U			
2-Hexanone	11	44		47	10000 U									
4-Methyl-2-Pentanone	2900	8200		2000	10000 U									
Acetone	33000	92000		22000	10000 U									
Acrolein	0.042	0.18		0.042										
Acrylonitrile	0.72	3.7		0.045										
Benzene	5	5	5	0.41	1000 U					2000 U	2000 U	0 U	0 U	0 U
Bromochloromethane	90	90												
Bromodichloromethane	80	80		0.12	1000 U					2000 U	2000 U	0 U	0 U	0 U
Bromoform	80	80		8.5	1000 U					2000 U	2000 U			
Bromomethane	10	10		8.7	2000 U					5000 U	5000 U			
Carbon Disulfide	1500	6200		1000	1000 U									
Carbon Tetrachloride	5	5	5	0.44	1000 U					1000 U	1000 U	0 U	0 U	0 U
Chlorobenzene	100	100	100	91	1000 U					1000 U	1000 U	0 U	0 U	0 U
Chlorodibromomethane	80	80		0.15	1000 U					2000 U	2000 U			
Chloroethane	230	900		21000	2000 U					1000 U	1000 U	0 U	0 U	0 U
Chloroform	80	80		0.19	10000 U					1000 U	1000 U	0 U	0 U	0 U
Chloromethane	30	30		190	2000 U					5000 U	5000 U			
cis-1,2-Dichloroethene	70	70	70	73		1100	950					1200	1700	1900
cis-1,3-Dichloropropene	6.6	26		0.43	1000 U									
Ethylbenzene	700	700	700	1.5	1000 U					1000 U	1000 U	0 U	0 U	0 U
Methyl tert-butyl ether	20	20		12										
Methylene chloride	5	5		4.8	2000 U					2000 U	2000 U	0 U	0 U	0 U
Styrene	100	100	100	1600	1000 U									
Tetrachloroethene	5	5	5	0.11	7300	6600	5200	4800	3500	2600	2800	1700	2200	2000
Toluene	1000	1000	1000	2300	1000 U					2000 U	2000 U	0 U	0 U	0 U
Total VOCs												30800	24600	32810

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 2.4-3
Groundwater Data Summary - VOC 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 7/11/1994	CW-15A 12/15/1994	CW-15A 6/2/1995	CW-15A 12/7/1995	CW-15A 6/6/1996	CW-15A 12/2/1996	CW-15A 6/5/1997	CW-15A 12/1/1998	CW-15A 6/8/1999	CW-15A 12/22/1999
trans-1,2-Dichloroethene	100	100	100	110	1000 U					1000 U	1000 U	0 U	0 U	0 U
trans-1,3-Dichloropropene	6.6	26		0.43										
Trichloroethene	5	5	5	2	120000	92000	63000	53000	42000	28000	26000	15000	18000	14000
Vinyl Acetate	420	1800		410	10000 U									
Vinyl Chloride	2	2	2	0.016	2000 U					1000 U	1000 U	0 U	0 U	0 U
VOC Library Search														
Xylenes (Total)	10000	10000	10000	200	5000 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 2.4-3
Groundwater Data Summary - VOC 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 6/2/2000	CW-15A 6/20/2001	CW-15A 12/1/2001	CW-15A 12/7/2001	CW-15A 6/14/2002	CW-15A 6/4/2004	CW-15A 12/10/2004	CW-15A 6/13/2005	CW-15A 12/9/2005	CW-15A 6/20/2006	CW-15A 6/19/2007
TOTAL VOC															
				17855	68988.6	49100	5800	52748	31620	27410	27510	27892	19781	19610	14110
Volatile Organic Compound															
1,1,1,2-Tetrachloroethane	70	70		0.52											
1,1,1-Trichloroethane	200	200	200	9100	11600	10300	8380	910	8400	11000	9100	8900	9000	6300	5800
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067						100 U	100 U	100 U	250 U	250 U	250 U
1,1,2-Trichloroethane	5	5	5	0.24	3.7	3500	0 U		0 U	300 U	300 U	300 U	250 U	250 U	250 U
1,1,2-Trichlorofluoromethane	2000	2000		1300											
1,1,2-Trichlorotrifluoroethane	63000	170000		59000											
1,1-Dichloroethane	31	160		2.4	102	113		0 U	99	120 J	110 J	130 J	92 J	250 U	110 J
1,1-Dichloroethene	7	7	7	340	2070	2030	1550	180	1510	2200	1800	1700	1700	1200	1400
1,2-Dibromoethane	0.05	0.05	0.05	0.0065											
1,2-Dichloroethane	5	5	5	0.15	14	0 U		0 U	0 U	200 U	200 U	200 U	250 U	250 U	250 U
1,2-Dichloroethene	70	70	70	330											
1,2-Dichloropropane	5	5	5	0.39						100 U	100 U	100 U	250 U	250 U	250 U
1,3-Dichlorobenzene	600	600													
1,3-Dichloropropene	6.6	26		0.43											
1,4-Dioxane	6.4	32		0.67						100000 U	100000 U	100000 U	50000 U	50000 U	50000 U
2-Butanone	4000	4000		7100						500 U	500 U	500 U	1200 U	250 U	250 U
2-Chloroethyl Vinyl Ether										500 U	500 U	500 U	500 U	500 U	500 U
2-Hexanone	11	44		47											
4-Methyl-2-Pentanone	2900	8200		2000											
Acetone	33000	92000		22000		0 U			0 U						
Acrolein	0.042	0.18		0.042						10000 U	10000 U	10000 U	5000 U	5000 U	5000 U
Acrylonitrile	0.72	3.7		0.045						5000 U	5000 U	5000 U	5000 U	5000 U	5000 U
Benzene	5	5	5	0.41	0 U	0.5		0 U	0 U	100 U	100 U	100 U	250 U	250 U	250 U
Bromochloromethane	90	90													
Bromodichloromethane	80	80		0.12	0 U	0 U	0 U		0 U	100 U	100 U	100 U	250 U	250 U	250 U
Bromoform	80	80		8.5						400 U	400 U	400 U	250 U	250 U	250 U
Bromomethane	10	10		8.7						500 U	500 U	500 U	250 U	250 U	250 U
Carbon Disulfide	1500	6200		1000		0 U			0 U						
Carbon Tetrachloride	5	5	5	0.44	0 U	0 U	0 U		0 U	200 U	200 U	200 U	250 U	250 U	250 U
Chlorobenzene	100	100	100	91	0 U	0.1		0 U	0 U	500 U	500 U	500 U	250 U	250 U	250 U
Chlorodibromomethane	80	80		0.15						500 U	500 U	500 U	250 U	250 U	250 U
Chloroethane	230	900		21000	0 U	0 U	0 U		0 U	500 U	500 U	500 U	250 U	250 U	250 U
Chloroform	80	80		0.19	5.7	5.5	0 U		0 U	500 U	500 U	500 U	250 U	250 U	250 U
Chloromethane	30	30		190						500 U	500 U	500 U	250 U	250 U	250 U
cis-1,2-Dichloroethene	70	70	70	73	2190	2490	1880	216	4210	5500	4900	5700	5500	5300	5400
cis-1,3-Dichloropropene	6.6	26		0.43						500 U	500 U	500 U	250 U	250 U	250 U
Ethylbenzene	700	700	700	1.5	0 U	0 U		0 U	0 U	400 U	400 U	80 J	250 U	250 U	250 U
Methyl tert-butyl ether	20	20		12											
Methylene chloride	5	5		4.8	3.7	3	0 U		10	300 U	300 U	300 U	250 U	81 JB	250 U
Styrene	100	100	100	1600											
Tetrachloroethene	5	5	5	0.11	1860	1590	1540	194	1600	1800	1500	1800	1800	1200	1600
Toluene	1000	1000	1000	2300	0 U	0.2		0 U	0 U	500 U	500 U	500 U	250 U	250 U	250 U
Total VOCs					33884.1	34494.3	24550	2900	26374						

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 2.4-3
Groundwater Data Summary - VOC 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 6/2/2000	CW-15A 6/20/2001	CW-15A 12/1/2001	CW-15A 12/7/2001	CW-15A 6/14/2002	CW-15A 6/4/2004	CW-15A 12/10/2004	CW-15A 6/13/2005	CW-15A 12/9/2005	CW-15A 6/20/2006	CW-15A 6/19/2007
trans-1,2-Dichloroethene	100	100	100	110	10	34		0 U	19	500 U	500 U	500 U	250 U	250 U	250 U
trans-1,3-Dichloropropene	6.6	26		0.43						500 U	500 U	500 U	250 U	250 U	250 U
Trichloroethene	5	5	5	2	16000	14400	11200	1400	10500	11000	10000	9200	9800	5700	5300
Vinyl Acetate	420	1800		410											
Vinyl Chloride	2	2	2	0.016	25	28	0 U		26	500 U	500 U	500 U	250 U	250 U	250 U
VOC Library Search															
Xylenes (Total)	10000	10000	10000	200		0 U			0 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 2.4-3
Groundwater Data Summary - VOC 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 12/12/2007	CW-15A 5/6/2008	CW-15A 10/9/2008	CW-15A 6/15/2009	CW-15A 12/16/2009	CW-15A 7/7/2010	CW-15A 12/21/2010	CW-16 8/15/1994	CW-16 12/8/1994	CW-16 12/9/1994	CW-16 2/3/1995
TOTAL VOC															
				17855	16580	12006	19910	12921	12151	14312	2400	1460	1820	1420	2256
Volatile Organic Compound															
1,1,1,2-Tetrachloroethane	70	70		0.52		250 U	250 U	250 U	250 U	250 U	250 U				
1,1,1-Trichloroethane	200	200	200	9100	4100	4200	3400	6300	3700	3100	4100	420	140	260	230
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	500 U	250 U	250 U	250 U	250 U	250 U	250 U				
1,1,2-Trichloroethane	5	5	5	0.24	500 U	250 U	250 U	250 U	250 U	250 U	250 U				
1,1,2-Trichlorofluoromethane	2000	2000		1300											
1,1,2-Trichlorotrifluoroethane	63000	170000		59000											
1,1-Dichloroethane	31	160		2.4	500 U	100 J	82 J	110 J	81 J	81 J	82 J	20 U	20 U	10 U	20 U
1,1-Dichloroethene	7	7	7	340	830	1100	730	1500	890	860	990	200	80	150	80
1,2-Dibromoethane	0.05	0.05	0.05	0.0065		250 U	250 U	250 U	250 U	250 U	250 U				
1,2-Dichloroethane	5	5	5	0.15	500 U	250 U	250 U	250 U	250 U	250 U	250 U				
1,2-Dichloroethene	70	70	70	330											
1,2-Dichloropropane	5	5	5	0.39	500 U	250 U	250 U	250 U	250 U	250 U	250 U				
1,3-Dichlorobenzene	600	600													
1,3-Dichloropropene	6.6	26		0.43											
1,4-Dioxane	6.4	32		0.67	100000 U	50000 U	50000 U	50000 U	50000 U	50000 U	50000 U				
2-Butanone	4000	4000		7100	500 U	2500 U	2500 U	2500 U	2500 U	2500 U	2500 U				
2-Chloroethyl Vinyl Ether					1000 U										
2-Hexanone	11	44		47		2500 U	2500 U	2500 U	2500 U	2500 U	2500 U				
4-Methyl-2-Pentanone	2900	8200		2000		2500 U	2500 U	2500 U	2500 U	2500 U	2500 U				
Acetone	33000	92000		22000		2500 U	2500 U	2500 U	2500 U	2500 U	2500 U				
Acrolein	0.042	0.18		0.042	10000 U										
Acrylonitrile	0.72	3.7		0.045	10000 U	5000 U	5000 U	5000 U	5000 U	5000 U	5000 U				
Benzene	5	5	5	0.41	500 U	250 U	250 U	250 U	250 U	250 U	250 U				
Bromochloromethane	90	90				250 U	250 U	250 U	250 U	250 U	250 U				
Bromodichloromethane	80	80		0.12	500 U	250 U	250 U	250 U	250 U	250 U	250 U				
Bromoform	80	80		8.5	500 U	250 U	250 U	250 U	250 U	250 U	250 U				
Bromomethane	10	10		8.7	500 U	250 U	250 U	250 U	250 U	250 U	250 U				
Carbon Disulfide	1500	6200		1000		250 U	250 U	250 U	250 U	600 B	140 J				
Carbon Tetrachloride	5	5	5	0.44	500 U	250 U	250 U	250 U	250 U	250 U	250 U				
Chlorobenzene	100	100	100	91	500 U	250 U	250 U	250 U	250 U	250 U	250 U				
Chlorodibromomethane	80	80		0.15	500 U	250 U	250 U	250 U	250 U	250 U	250 U				
Chloroethane	230	900		21000	500 U	250 U	250 U	250 U	250 U	250 U	250 U				
Chloroform	80	80		0.19	500 U	250 U	250 U	250 U	250 U	250 U	250 U				
Chloromethane	30	30		190	500 U	250 U	250 U	250 U	250 U	250 U	250 U				
cis-1,2-Dichloroethene	70	70	70	73	5100	5200	3600	5600	4300	4100	4400				
cis-1,3-Dichloropropene	6.6	26		0.43	500 U	250 U	250 U	250 U	250 U	250 U	250 U				
Ethylbenzene	700	700	700	1.5	500 U	250 U	250 U	250 U	250 U	250 U	250 U				
Methyl tert-butyl ether	20	20		12		250 U	250 U	250 U	250 U	250 U	250 U				
Methylene chloride	5	5		4.8	500 U	80 J	94 J	250 U	250 U	250 U	250 U				
Styrene	100	100	100	1600		250 U	250 U	250 U	250 U	250 U	250 U				
Tetrachloroethene	5	5	5	0.11	580	1300	1000	1600	950	910	1200	140	100	110	120
Toluene	1000	1000	1000	2300	500 U	250 U	250 U	250 U	250 U	250 U	250 U				
Total VOCs															

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 2.4-3
Groundwater Data Summary - VOC 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 12/12/2007	CW-15A 5/6/2008	CW-15A 10/9/2008	CW-15A 6/15/2009	CW-15A 12/16/2009	CW-15A 7/7/2010	CW-15A 12/21/2010	CW-16 8/15/1994	CW-16 12/8/1994	CW-16 12/9/1994	CW-16 2/3/1995
trans-1,2-Dichloroethene	100	100	100	110	500 U	250 U	250 U	250 U	250 U	250 U	250 U	240	140	200	160
trans-1,3-Dichloropropene	6.6	26		0.43	500 U	250 U	250 U	250 U	250 U	250 U	250 U				
Trichloroethene	5	5	5	2	3500	4600	3100	4800	3000	2500 B	3400	1400	1000	1100	830
Vinyl Acetate	420	1800		410											
Vinyl Chloride	2	2	2	0.016	500 U	250 U	250 U	250 U	250 U	250 U	250 U				
VOC Library Search															
Xylenes (Total)	10000	10000	10000	200		750 U	750 U	750 U	750 U	750 U	750 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 2.4-3
Groundwater Data Summary - VOC 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-16 6/2/1995	CW-16 12/7/1995	CW-16 6/6/1996	CW-16 12/2/1996	CW-16 6/4/1997	CW-16 Dup 6/4/1997	CW-16 12/1/1998	CW-16 6/8/1999	CW-16 12/22/1999	CW-16 6/2/2000	CW-16 12/1/2000	CW-16 6/20/2001
TOTAL VOC																
				17855	2033	2245	760	1035	1042	1458	2176	1580	2351.2	1608	1838.4	1232
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52												
1,1,1-Trichloroethane	200	200	200	9100	470	160	160	100 U	78	87	35	45	0 U	55	33	32
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067				100 U	50 U	50 U						
1,1,2-Trichloroethane	5	5	5	0.24				100 U	50 U	50 U	0 U	0 U	0 U	1.3	0 U	1.8
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1,2-Trichlorotrifluoroethane	63000	170000		59000												
1,1-Dichloroethane	31	160		2.4	12	10	6	100 U	50 U	50 U	0 U	0 U	0 U	5.1	0 U	3.5
1,1-Dichloroethene	7	7	7	340	120	110	39	100 U	50 U	50 U	31	41	0 U	42	22	30
1,2-Dibromoethane	0.05	0.05	0.05	0.0065												
1,2-Dichloroethane	5	5	5	0.15				100 U	50 U	50 U	0 U	0 U	0 U	0 U	0 U	0 U
1,2-Dichloroethene	70	70	70	330		210	300									
1,2-Dichloropropane	5	5	5	0.39				100 U	50 U	50 U						
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.43				100 U	50 U	50 U						
1,4-Dioxane	6.4	32		0.67												
2-Butanone	4000	4000		7100												
2-Chloroethyl Vinyl Ether								1000 U	500 U	500 U						
2-Hexanone	11	44		47												
4-Methyl-2-Pentanone	2900	8200		2000												
Acetone	33000	92000		22000												0 U
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045												
Benzene	5	5	5	0.41				200 U	100 U	100 U	0 U	0 U	0 U	0 U	0 U	0 U
Bromochloromethane	90	90														
Bromodichloromethane	80	80		0.12				200 U	100 U	100 U	0 U	0 U	0 U	0 U	0 U	0 U
Bromoform	80	80		8.5				200 U	100 U	100 U						
Bromomethane	10	10		8.7				500 U	250 U	250 U						
Carbon Disulfide	1500	6200		1000												0 U
Carbon Tetrachloride	5	5	5	0.44				100 U	50 U	50 U	0 U	0 U	0 U	0 U	0 U	0 U
Chlorobenzene	100	100	100	91				100 U	50 U	50 U	0 U	0 U	0 U	0 U	0 U	0 U
Chlorodibromomethane	80	80		0.15				200 U	100 U	100 U						
Chloroethane	230	900		21000				100 U	50 U	50 U	0 U	0 U	0 U	0 U	0 U	0 U
Chloroform	80	80		0.19	4	3		100 U	50 U	50 U	0 U	0 U	0 U	1.1	0 U	0 U
Chloromethane	30	30		190				500 U	250 U	250 U						
cis-1,2-Dichloroethene	70	70	70	73	190						110	160	140	195	132	156
cis-1,3-Dichloropropene	6.6	26		0.43												
Ethylbenzene	700	700	700	1.5				100 U	50 U	50 U	0 U	0 U	0 U	0 U	0 U	0 U
Methyl tert-butyl ether	20	20		12												
Methylene chloride	5	5		4.8				200 U	100 U	100 U	0 U	0 U	0 U	0 U	0 U	0 U
Styrene	100	100	100	1600												
Tetrachloroethene	5	5	5	0.11	160	140	140	100 U	57	65	43	52	50	70	55	50
Toluene	1000	1000	1000	2300				200 U	100 U	100 U	0 U	0 U	0 U	0 U	0 U	0 U
Total VOCs											729	1088	790	1175.6	804	919.2

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 2.4-3
Groundwater Data Summary - VOC 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-16 6/2/1995	CW-16 12/7/1995	CW-16 6/6/1996	CW-16 12/2/1996	CW-16 6/4/1997	CW-16 Dup 6/4/1997	CW-16 12/1/1998	CW-16 6/8/1999	CW-16 12/22/1999	CW-16 6/2/2000	CW-16 12/1/2000	CW-16 6/20/2001
trans-1,2-Dichloroethene	100	100	100	110				100 U	50 U	50 U	0 U	0 U	0 U	1.1	0 U	1.9
trans-1,3-Dichloropropene	6.6	26		0.43												
Trichloroethene	5	5	5	2	1300	1400	1600	760	900	890	510	790	600	805	562	644
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016				100 U	50 U	50 U	0 U	0 U	0 U	0 U	0 U	0 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	200												0 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 2.4-3
Groundwater Data Summary - VOC 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-16 12/7/2001	CW-16 6/14/2002	CW-16 5/23/2008	CW-16 10/8/2008	CW-17 12/7/1995	CW-17 6/6/1996	CW-17 12/2/1996	CW-17 6/5/1997	CW-17 Dup 6/5/1997	CW-17 12/1/1998	CW-17 6/8/1999	CW-17 12/22/1999
TOTAL VOC																
				17855	1186.6	654.7	641	2683	1759	930	600	610	1972.8	2012	2214	2576.6
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52			20 U	20 U								
1,1,1-Trichloroethane	200	200	200	9100	15	36	8.7 J	20 U	230	130	50 U	72	72	70	66	100
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067			20 U	20 U			50 U	50 U	50 U			
1,1,2-Trichloroethane	5	5	5	0.24	0 U	0 U	20 U	20 U			50 U	50 U	50 U	0 U	0 U	0 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1,2-Trichlorotrifluoroethane	63000	170000		59000												
1,1-Dichloroethane	31	160		2.4	0 U	4.5	20 U	20 U	13	12	50 U	50 U	50 U	5.4	0 U	0 U
1,1-Dichloroethene	7	7	7	340	11	16	13 J	16 J	150	47	50 U	50 U	50 U	41	40	57
1,2-Dibromoethane	0.05	0.05	0.05	0.0065			20 U	20 U								
1,2-Dichloroethane	5	5	5	0.15	0 U	0 U	20 U	20 U			50 U	50 U	50 U	0 U	0 U	0 U
1,2-Dichloroethene	70	70	70	330					330	310						
1,2-Dichloropropane	5	5	5	0.39			20 U	20 U			50 U	50 U	50 U			
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.43							50 U	50 U	50 U			
1,4-Dioxane	6.4	32		0.67			4000 U	4000 U								
2-Butanone	4000	4000		7100			200 U	200 U								
2-Chloroethyl Vinyl Ether											500 U	500 U	500 U			
2-Hexanone	11	44		47			200 U	200 U								
4-Methyl-2-Pentanone	2900	8200		2000			200 U	200 U								
Acetone	33000	92000		22000		0 U	200 U	200 U								
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045			400 U	400 U								
Benzene	5	5	5	0.41	0 U	0 U	20 U	20 U			100 U	100 U	100 U	0 U	0 U	0 U
Bromochloromethane	90	90					20 U	20 U								
Bromodichloromethane	80	80		0.12	0 U	0 U	20 U	20 U			100 U	100 U	100 U	0 U	0 U	0 U
Bromoform	80	80		8.5			20 U	20 U			100 U	100 U	100 U			
Bromomethane	10	10		8.7			20 U	20 U			250 U	250 U	250 U			
Carbon Disulfide	1500	6200		1000		0 U	20 U	20 U								
Carbon Tetrachloride	5	5	5	0.44	0 U	0 U	20 U	20 U			50 U	50 U	50 U	0 U	0 U	0 U
Chlorobenzene	100	100	100	91	0 U	0 U	20 U	20 U			50 U	50 U	50 U	0 U	0 U	0 U
Chlorodibromomethane	80	80		0.15			20 U	20 U			100 U	100 U	100 U			
Chloroethane	230	900		21000	0 U	0 U	20 U	20 U			50 U	50 U	50 U	0 U	0 U	0 U
Chloroform	80	80		0.19	0 U	1.4	20 U	20 U			50 U	50 U	50 U	0 U	0 U	0 U
Chloromethane	30	30		190			20 U	20 U			250 U	250 U	250 U			
cis-1,2-Dichloroethene	70	70	70	73	87	114	140	140						170	180	200
cis-1,3-Dichloropropene	6.6	26		0.43			20 U	20 U								
Ethylbenzene	700	700	700	1.5	0 U	0 U	20 U	20 U			50 U	50 U	50 U	0 U	0 U	0 U
Methyl tert-butyl ether	20	20		12			20 U	20 U								
Methylene chloride	5	5		4.8	0 U	0 U	10 J	12 J			100 U	100 U	100 U	0 U	0 U	0 U
Styrene	100	100	100	1600			20 U	20 U								
Tetrachloroethene	5	5	5	0.11	35	35	33	33	360	160	160	78	78	120	120	140
Toluene	1000	1000	1000	2300	0 U	0 U	20 U	20 U			100 U	100 U	100 U	0 U	0 U	0 U
Total VOCs					616	593.3								986.4	1006	1107

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 2.4-3
Groundwater Data Summary - VOC 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-16 12/7/2001	CW-16 6/14/2002	CW-16 5/23/2008	CW-16 10/8/2008	CW-17 12/7/1995	CW-17 6/6/1996	CW-17 12/2/1996	CW-17 6/5/1997	CW-17 Dup 6/5/1997	CW-17 12/1/1998	CW-17 6/8/1999	CW-17 12/22/1999
trans-1,2-Dichloroethene	100	100	100	110	0 U	2.4	20 U	20 U			50 U	50 U	50 U	0 U	0 U	0 U
trans-1,3-Dichloropropene	6.6	26		0.43			20 U	20 U								
Trichloroethene	5	5	5	2	468	384	450	440 J	1600	1100	770	450	460	580	600	610
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	0 U	0 U	20 U	20 U			50 U	50 U	50 U	0 U	0 U	0 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	200		0 U	60 U	60 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 2.4-3
Groundwater Data Summary - VOC 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 6/2/2000	CW-17 12/1/2000	CW-17 6/20/2001	CW-17 12/7/2001	CW-17 6/14/2002	CW-17 12/6/2002	CW-17 6/9/2003	CW-17 12/5/2003	CW-17 6/4/2004	CW-17 12/10/2004	CW-17 6/13/2005	CW-17 12/9/2005
TOTAL VOC																
				17855	1876	2008	1668.8	1895.6	2052.4	1426.6	1849	1129	725.2	748	515.6	506.4
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52												
1,1,1-Trichloroethane	200	200	200	9100	99	69	78	59	101	94	73.3	109	82	57	57	29
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067									5 U	5 U	5 U	10 U
1,1,2-Trichloroethane	5	5	5	0.24	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	15 U	15 U	15 U	10 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1,2-Trichlorotrifluoroethane	63000	170000		59000												
1,1-Dichloroethane	31	160		2.4	10	8	11	7.4	11	11	10.6	13.6	11 J	9.2 J	10 J	6.2 J
1,1-Dichloroethene	7	7	7	340	51	33	40	26	47	49	36.9	49.9	46	27	31	20
1,2-Dibromoethane	0.05	0.05	0.05	0.0065												
1,2-Dichloroethane	5	5	5	0.15	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	10 U	10 U	10 U	10 U
1,2-Dichloroethene	70	70	70	330												
1,2-Dichloropropane	5	5	5	0.39									5 U	5 U	5 U	10 U
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.43												
1,4-Dioxane	6.4	32		0.67									5000 U	5000 U	5000 U	2000 U
2-Butanone	4000	4000		7100									25 U	25 U	25 U	50 U
2-Chloroethyl Vinyl Ether													25 U	25 U	25 U	20 U
2-Hexanone	11	44		47												
4-Methyl-2-Pentanone	2900	8200		2000												
Acetone	33000	92000		22000			0 U		0 U							
Acrolein	0.042	0.18		0.042									500 U	500 U	500 U	200 U
Acrylonitrile	0.72	3.7		0.045									250 U	250 U	250 U	200 U
Benzene	5	5	5	0.41	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U	10 U
Bromochloromethane	90	90														
Bromodichloromethane	80	80		0.12	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U	10 U
Bromoform	80	80		8.5									20 U	20 U	20 U	10 U
Bromomethane	10	10		8.7									25 U	25 U	25 U	10 U
Carbon Disulfide	1500	6200		1000			0 U		0 U							
Carbon Tetrachloride	5	5	5	0.44	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	10 U	10 U	10 U	10 U
Chlorobenzene	100	100	100	91	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	25 U	25 U	25 U	10 U
Chlorodibromomethane	80	80		0.15									25 U	25 U	25 U	10 U
Chloroethane	230	900		21000	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	25 U	25 U	25 U	10 U
Chloroform	80	80		0.19	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	25 U	25 U	25 U	10 U
Chloromethane	30	30		190									25 U	25 U	25 U	10 U
cis-1,2-Dichloroethene	70	70	70	73	221	180	189	140	178	183			220	150	140	110
cis-1,3-Dichloropropene	6.6	26		0.43									25 U	25 U	25 U	10 U
Ethylbenzene	700	700	700	1.5	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	20 U	20 U	20 U	10 U
Methyl tert-butyl ether	20	20		12												
Methylene chloride	5	5		4.8	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	15 U	15 U	15 U	4.4 JB
Styrene	100	100	100	1600												
Tetrachloroethene	5	5	5	0.11	165	122	131	109	132	140	134	160	160	82	110	76
Toluene	1000	1000	1000	2300	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	25 U	25 U	25 U	10 U
Total VOCs					1288.3	938	1004	834.4	947.8	1026.2	713.3	924.5				

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 2.4-3
Groundwater Data Summary - VOC 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 6/2/2000	CW-17 12/1/2000	CW-17 6/20/2001	CW-17 12/7/2001	CW-17 6/14/2002	CW-17 12/6/2002	CW-17 6/9/2003	CW-17 12/5/2003	CW-17 6/4/2004	CW-17 12/10/2004	CW-17 6/13/2005	CW-17 12/9/2005
trans-1,2-Dichloroethene	100	100	100	110	1.3	0 U	0 U	0 U	1.8	1.2	2.5	0 U	25 U	25 U	25 U	10 U
trans-1,3-Dichloropropene	6.6	26		0.43									25 U	25 U	25 U	10 U
Trichloroethene	5	5	5	2	741	526	555	493	477	548	456	592	610	400	400	270
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	25 U	25 U	25 U	10 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	200			0 U		0 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 2.4-3
Groundwater Data Summary - VOC 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 6/20/2006	CW-17 6/19/2007	CW-17 12/12/2007	CW-17 5/6/2008	CW-17 9/11/2008	CW-17 6/15/2009	CW-17 2/3/2010	CW-17 7/7/2010	CW-17 12/21/2010	CW-18 4/10/1996	CW-18 5/23/2008	CW-20 10/13/2006
TOTAL VOC																
				17855	550.1	571.7	397.6	434	220	342.1	270.9	176.6	664	341.5	1990	2195
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52				8 U	10 U	10 U	10 U	10 U	5 U		10 U	
1,1,1-Trichloroethane	200	200	200	9100	32	27	32	15	18	11	13	10 U	5.4	29	3.1 J	100 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	10 U	10 U	15 U	8 U	10 U	10 U	10 U	10 U	5 U		10 U	100 U
1,1,2-Trichloroethane	5	5	5	0.24	10 U	10 U	15 U	8 U	10 U	10 U	10 U	10 U	5 U		10 U	100 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1,2-Trichlorotrifluoroethane	63000	170000		59000												
1,1-Dichloroethane	31	160		2.4	7.4 J	7.1 J	9.7 J	6.1 J	7 J	3.2 J	6.3 J	3.3 J	2.3 J	5	10 U	100 U
1,1-Dichloroethene	7	7	7	340	18	21	21	12	16	10 U	8.8 J	6.6 J	4.7 J	19	7.5 J	100 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065				8 U	10 U	10 U	10 U	10 U	5 U		10 U	
1,2-Dichloroethane	5	5	5	0.15	10 U	10 U	15 U	8 U	10 U	10 U	10 U	10 U	5 U		10 U	100 U
1,2-Dichloroethene	70	70	70	330												
1,2-Dichloropropane	5	5	5	0.39	10 U	10 U	15 U	8 U	10 U	10 U	10 U	10 U	5 U		10 U	100 U
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.43												
1,4-Dioxane	6.4	32		0.67	2000 U	2000 U	3000 U	1600 U	2000 U	2000 U	2000 U	2000 U	1000 U		2000 U	20000 U
2-Butanone	4000	4000		7100	10 U	10 U	15 U	80 U	100 U	100 U	100 U	100 U	50 U		100 U	100 U
2-Chloroethyl Vinyl Ether					20 U	20 U	30 U									200 U
2-Hexanone	11	44		47				80 U	100 U	100 U	100 U	100 U	50 U		100 U	
4-Methyl-2-Pentanone	2900	8200		2000				80 U	100 U	100 U	100 U	100 U	50 U		100 U	
Acetone	33000	92000		22000				80 U	100 U	100 U	100 U	100 U	50 U		100 U	
Acrolein	0.042	0.18		0.042	200 U	200 U	300 U									2000 U
Acrylonitrile	0.72	3.7		0.045	200 U	200 U	300 U	160 U	200 U	200 U	200 U	200 U	100 U		200 U	2000 U
Benzene	5	5	5	0.41	10 U	10 U	15 U	8 U	10 U	10 U	10 U	10 U	5 U		10 U	100 U
Bromochloromethane	90	90						8 U	10 U	10 U	10 U	10 U	5 U		10 U	
Bromodichloromethane	80	80		0.12	10 U	10 U	15 U	8 U	10 U	10 U	10 U	10 U	5 U		10 U	100 U
Bromoform	80	80		8.5	10 U	10 U	15 U	8 U	10 U	10 U	10 U	10 U	5 U		10 U	100 U
Bromomethane	10	10		8.7	10 U	10 U	15 U	8 U	10 U	10 U	10 U	10 U	5 U		10 U	100 U
Carbon Disulfide	1500	6200		1000				8 U	10 U	10 U	10 U	28 B	1.3 J		10 U	
Carbon Tetrachloride	5	5	5	0.44	10 U	10 U	15 U	8 U	10 U	10 U	10 U	10 U	5 U		10 U	100 U
Chlorobenzene	100	100	100	91	10 U	10 U	15 U	8 U	10 U	10 U	10 U	10 U	5 U		10 U	100 U
Chlorodibromomethane	80	80		0.15	10 U	10 U	15 U	8 U	10 U	10 U	10 U	10 U	5 U		10 U	100 U
Chloroethane	230	900		21000	10 U	10 U	15 U	8 U	10 U	10 U	10 U	10 U	5 U		10 U	100 U
Chloroform	80	80		0.19	10 U	10 U	15 U	8 U	10 U	10 U	10 U	10 U	5 U		10 U	100 U
Chloromethane	30	30		190	10 U	10 U	15 U	8 U	10 U	10 U	10 U	10 U	5 U		10 U	100 U
cis-1,2-Dichloroethene	70	70	70	73	120	120	170	89	91	51	97	60	43		160	70 J
cis-1,3-Dichloropropene	6.6	26		0.43	10 U	10 U	15 U	8 U	10 U	10 U	10 U	10 U	5 U		10 U	100 U
Ethylbenzene	700	700	700	1.5	10 U	10 U	15 U	8 U	10 U	10 U	10 U	10 U	5 U		10 U	100 U
Methyl tert-butyl ether	20	20		12				8 U	10 U	10 U	10 U	10 U	5 U		10 U	
Methylene chloride	5	5		4.8	10 U	10 U	15 U	2.5 J	10 U	3.8 J B	10 U	10 U	6.9		7.8 J	100 U
Styrene	100	100	100	1600				8 U	10 U	10 U	10 U	10 U	5 U		10 U	
Tetrachloroethene	5	5	5	0.11	69	95	49	63	82	41	37	53	25	11	3.1 J	1300
Toluene	1000	1000	1000	2300	10 U	10 U	15 U	8 U	10 U	10 U	10 U	10 U	5 U		10 U	100 U
Total VOCs																

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 2.4-3
Groundwater Data Summary - VOC 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 6/20/2006	CW-17 6/19/2007	CW-17 12/12/2007	CW-17 5/6/2008	CW-17 9/11/2008	CW-17 6/15/2009	CW-17 2/3/2010	CW-17 7/7/2010	CW-17 12/21/2010	CW-18 4/10/1996	CW-18 5/23/2008	CW-20 10/13/2006
trans-1,2-Dichloroethene	100	100	100	110	10 U	10 U	15 U	8 U	10 U	10 U	10 U	10 U	5 U		10 U	100 U
trans-1,3-Dichloropropene	6.6	26		0.43	10 U	10 U	15 U	8 U	10 U	10 U	10 U	10 U	5 U		10 U	100 U
Trichloroethene	5	5	5	2	260	280	290	210	220	110	180	120 B	88	600	160	620
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	10 U	10 U	15 U	8 U	10 U	10 U	10 U	10 U	5 U		10 U	100 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	200				24 U	30 U	30 U	30 U	30 U	15 U		30 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 2.4-3
Groundwater Data Summary - VOC 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-20 5/21/2008	CW-20 9/30/2008	CW-20 7/8/2010	Lift Station Deep Foundation 12/16/2009	Softail 6/4/2004	Softail Lift Station 12/10/2004	Softail Lift Station 6/13/2005	Softail Lift Station 12/9/2005
TOTAL VOC												
				17855	1736	1610	0.47	3.7	4.5	3.2	0.32	0
Volatile Organic Compound												
1,1,1,2-Tetrachloroethane	70	70		0.52	50 U	50 U	50 U	1 U				
1,1,1-Trichloroethane	200	200	200	9100	40 J	32 J	39 J	1 U	0.6 J	1 J	0.8 J	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	50 U	50 U	50 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	50 U	50 U	50 U	1 U	3 U	3 U	3 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300								
1,1,2-Trichlorotrifluoroethane	63000	170000		59000								
1,1-Dichloroethane	31	160		2.4	50 U	50 U	50 U	1 U	5 U	5 U	5 U	1 U
1,1-Dichloroethene	7	7	7	340	12 J	50 U	50 U	1 U	2 U	2 U	2 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	50 U	50 U	50 U	1 U				
1,2-Dichloroethane	5	5	5	0.15	50 U	50 U	50 U	1 U	2 U	2 U	2 U	1 U
1,2-Dichloroethene	70	70	70	330								
1,2-Dichloropropane	5	5	5	0.39	50 U	50 U	50 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	600	600										
1,3-Dichloropropene	6.6	26		0.43								
1,4-Dioxane	6.4	32		0.67	10000 U	10000 U	10000 U	200 U	1000 U	1000 U	1000 U	200 U
2-Butanone	4000	4000		7100	500 U	500 U	500 U	10 U	5 U	5 U	5 U	5 U
2-Chloroethyl Vinyl Ether									5 U	5 U	5 U	2 U
2-Hexanone	11	44		47	500 U	500 U	500 U	10 U				
4-Methyl-2-Pentanone	2900	8200		2000	500 U	500 U	500 U	10 U				
Acetone	33000	92000		22000	500 U	500 U	500 U	10 U				
Acrolein	0.042	0.18		0.042					100 U	100 U	100 U	20 U
Acrylonitrile	0.72	3.7		0.045	1000 U	1000 U	1000 U	20 U	50 U	50 U	50 U	20 U
Benzene	5	5	5	0.41	50 U	50 U	50 U	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	90	90			50 U	50 U	50 U	1 U				
Bromodichloromethane	80	80		0.12	50 U	50 U	50 U	1 U	1 U	1 U	1 U	1 U
Bromoform	80	80		8.5	50 U	50 U	50 U	1 U	4 U	4 U	4 U	1 U
Bromomethane	10	10		8.7	50 U	50 U	50 U	1 U	5 U	5 U	5 U	1 U
Carbon Disulfide	1500	6200		1000	50 U	50 U	26 J	1 U				
Carbon Tetrachloride	5	5	5	0.44	50 U	50 U	50 U	1 U	2 U	2 U	2 U	1 U
Chlorobenzene	100	100	100	91	50 U	50 U	50 U	1 U	5 U	5 U	5 U	1 U
Chlorodibromomethane	80	80		0.15	50 U	50 U	50 U	1 U	5 U	5 U	5 U	1 U
Chloroethane	230	900		21000	50 U	50 U	50 U	1 U	5 U	5 U	5 U	1 U
Chloroform	80	80		0.19	50 U	50 U	50 U	1 U	5 U	5 U	5 U	1 U
Chloromethane	30	30		190	50 U	50 U	50 U	1 U	5 U	5 U	5 U	1 U
cis-1,2-Dichloroethene	70	70	70	73	73	56	90	1 U	5 U	5 U	5 U	1 U
cis-1,3-Dichloropropene	6.6	26		0.43	50 U	50 U	50 U	1 U	5 U	5 U	5 U	1 U
Ethylbenzene	700	700	700	1.5	50 U	50 U	50 U	1 U	4 U	4 U	4 U	1 U
Methyl tert-butyl ether	20	20		12	50 U	50 U	50 U	1 U				
Methylene chloride	5	5		4.8	130 B	18 J	55 B	1 U	3 U	3 U	3 U	1 U
Styrene	100	100	100	1600	50 U	50 U	50 U	1 U				
Tetrachloroethene	5	5	5	0.11	1300	1100	880	1 U	0.7 J	1.1	1 U	1 U
Toluene	1000	1000	1000	2300	50 U	50 U	50 U	1 U	5 U	5 U	5 U	1 U
Total VOCs												

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 2.4-3
Groundwater Data Summary - VOC 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-20 5/21/2008	CW-20 9/30/2008	CW-20 7/8/2010	Lift Station Deep Foundation 12/16/2009	Softail 6/4/2004	Softail Lift Station 12/10/2004	Softail Lift Station 6/13/2005	Softail Lift Station 12/9/2005
trans-1,2-Dichloroethene	100	100	100	110	50 U	50 U	50 U	1 U	5 U	5 U	5 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.43	50 U	50 U	50 U	1 U	5 U	5 U	5 U	1 U
Trichloroethene	5	5	5	2	640	530	520	0.47 J	2.4	2.4	2.4	0.32 J
Vinyl Acetate	420	1800		410								
Vinyl Chloride	2	2	2	0.016	50 U	50 U	50 U	1 U	5 U	5 U	5 U	1 U
VOC Library Search												
Xylenes (Total)	10000	10000	10000	200	150 U	150 U	150 U	3 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 2.4-3
Groundwater Data Summary - VOC 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 6/20/2006	Softail Lift Station 6/19/2007	Softail Lift Station 12/12/2007	Softail Lift Station Deep Foundation 5/20/2008	Softail Lift Station Toe of Slope 5/20/2008
TOTAL VOC									
				17855	381.5	0	5.62	9.15	0.53
Volatile Organic Compound									
1,1,1,2-Tetrachloroethane	70	70		0.52				1 U	1 U
1,1,1-Trichloroethane	200	200	200	9100	5 U	5 U	5 U	0.71 J	0.77 J
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	5 U	5 U	5 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	5 U	5 U	5 U	0.17 J	0.22 J
1,1,2-Trichlorofluoromethane	2000	2000		1300					
1,1,2-Trichlorotrifluoroethane	63000	170000		59000					
1,1-Dichloroethane	31	160		2.4	5 U	5 U	5 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	5 U	5 U	5 U	0.56 J	0.56 J
1,2-Dibromoethane	0.05	0.05	0.05	0.0065				1 U	1 U
1,2-Dichloroethane	5	5	5	0.15	5 U	5 U	5 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330					
1,2-Dichloropropane	5	5	5	0.39	5 U	5 U	5 U	1 U	1 U
1,3-Dichlorobenzene	600	600							
1,3-Dichloropropene	6.6	26		0.43					
1,4-Dioxane	6.4	32		0.67	1000 U	380 J	1000 U	200 U	200 U
2-Butanone	4000	4000		7100	5 U	5 U	5 U	10 U	10 U
2-Chloroethyl Vinyl Ether					10 U	10 U	10 U		
2-Hexanone	11	44		47				10 U	10 U
4-Methyl-2-Pentanone	2900	8200		2000				10 U	10 U
Acetone	33000	92000		22000				2.7 J	10 U
Acrolein	0.042	0.18		0.042	100 U	100 U	100 U		
Acrylonitrile	0.72	3.7		0.045	100 U	100 U	100 U	20 U	20 U
Benzene	5	5	5	0.41	5 U	5 U	5 U	1 U	0.81 J
Bromochloromethane	90	90						1 U	1 U
Bromodichloromethane	80	80		0.12	5 U	5 U	5 U	1 U	1 U
Bromoform	80	80		8.5	5 U	5 U	5 U	1 U	1 U
Bromomethane	10	10		8.7	5 U	5 U	5 U	1 U	1 U
Carbon Disulfide	1500	6200		1000				1 U	1 U
Carbon Tetrachloride	5	5	5	0.44	5 U	5 U	5 U	1 U	1 U
Chlorobenzene	100	100	100	91	5 U	5 U	5 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	5 U	5 U	5 U	1 U	1 U
Chloroethane	230	900		21000	5 U	5 U	5 U	1 U	1 U
Chloroform	80	80		0.19	5 U	5 U	5 U	1 U	1 U
Chloromethane	30	30		190	5 U	5 U	5 U	1 U	1 U
cis-1,2-Dichloroethene	70	70	70	73	5 U	5 U	5 U	1 U	0.92 J
cis-1,3-Dichloropropene	6.6	26		0.43	5 U	5 U	5 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	5 U	5 U	5 U	1 U	1 U
Methyl tert-butyl ether	20	20		12				1 U	0.4 J
Methylene chloride	5	5		4.8	5 U	5 U	5 U	1 U	1 U
Styrene	100	100	100	1600				1 U	1 U
Tetrachloroethene	5	5	5	0.11	5 U	5 U	5 U	0.28 J	2.1
Toluene	1000	1000	1000	2300	5 U	5 U	5 U	1 U	1 U
Total VOCs									

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 2.4-3
Groundwater Data Summary - VOC 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 6/20/2006	Softail Lift Station 6/19/2007	Softail Lift Station 12/12/2007	Softail Lift Station Deep Foundation 5/20/2008	Softail Lift Station Toe of Slope 5/20/2008
trans-1,2-Dichloroethene	100	100	100	110	5 U	5 U	5 U	1 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.43	5 U	5 U	5 U	1 U	1 U
Trichloroethene	5	5	5	2	5 U	1.5 J	5 U	1.2	3.1
Vinyl Acetate	420	1800		410					
Vinyl Chloride	2	2	2	0.016	5 U	5 U	5 U	1 U	1 U
VOC Library Search									
Xylenes (Total)	10000	10000	10000	200				3 U	0.27 J

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 2.4-3
Groundwater Data Summary - VOC 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 12/16/2009	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	CS-3 1/1/1991	CS-4 1/1/1991	MW-4 (Cole) 5/1/2008	MW-4 (Cole) 9/8/2008
TOTAL VOC															
				17855	59.41	55	52.18	13	40.24	48.17	93	52	3.72	33.54	1
Volatile Organic Compound															
1,1,1,2-Tetrachloroethane	70	70		0.52	1 U	2 U	2 U	1 U	1 U	1 U	1 U			1 U	1 U
1,1,1-Trichloroethane	200	200	200	9100	1 U	2 U	2 U	1 U	1 U	1 U	1 U	0 U	0 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	2 U	2 U	1 U	1 U	1 U	1 U			1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	2 U	2 U	1 U	1 U	1 U	1 U			1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300											
1,1,2-Trichlorotrifluoroethane	63000	170000		59000											
1,1-Dichloroethane	31	160		2.4	1 U	2 U	2 U	1 U	1 U	1 U	1 U			1 U	1 U
1,1-Dichloroethene	7	7	7	340	1 U	2 U	2 U	1 U	1 U	1 U	1 U	0 U	0 U	1 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	1 U	2 U	2 U	1 U	1 U	1 U	1 U			1 U	1 U
1,2-Dichloroethane	5	5	5	0.15	1 U	2 U	2 U	1 U	1 U	1 U	1 U			1 U	1 U
1,2-Dichloroethene	70	70	70	330											
1,2-Dichloropropane	5	5	5	0.39	1 U	2 U	2 U	1 U	1 U	1 U	1 U			1 U	1 U
1,3-Dichlorobenzene	600	600													
1,3-Dichloropropene	6.6	26		0.43											
1,4-Dioxane	6.4	32		0.67	200 U	400 U	400 U	200 U	200 U	200 U	200 U			200 U	200 U
2-Butanone	4000	4000		7100	10 U	20 U	20 U	10 U	10 U	10 U	10 U			10 U	10 U
2-Chloroethyl Vinyl Ether															
2-Hexanone	11	44		47	10 U	20 U	20 U	10 U	10 U	10 U	10 U			10 U	10 U
4-Methyl-2-Pentanone	2900	8200		2000	10 U	20 U	20 U	10 U	10 U	10 U	10 U			10 U	10 U
Acetone	33000	92000		22000	10 U	20 U	20 U	10 U	10 U	10 U	10 U			10 U	10 U
Acrolein	0.042	0.18		0.042											
Acrylonitrile	0.72	3.7		0.045	20 U	40 U	40 U	20 U	20 U	20 U	20 U			20 U	20 U
Benzene	5	5	5	0.41	1 U	2 U	2 U	1 U	1 U	1 U	1 U			1 U	1 U
Bromochloromethane	90	90			1 U	2 U	2 U	1 U	1 U	1 U	1 U			1 U	1 U
Bromodichloromethane	80	80		0.12	1 U	2 U	2 U	1 U	1 U	1 U	1 U			1 U	1 U
Bromoform	80	80		8.5	1 U	2 U	2 U	1 U	1 U	1 U	1 U			1 U	1 U
Bromomethane	10	10		8.7	1 U	2 U	2 U	1 U	1 U	1 U	1 U			1 U	1 U
Carbon Disulfide	1500	6200		1000	1 U	2 U	2 U	1 U	1 U	1 U	0.79 J			1 U	1 U
Carbon Tetrachloride	5	5	5	0.44	1 U	2 U	2 U	1 U	1 U	1 U	1 U			1 U	1 U
Chlorobenzene	100	100	100	91	1 U	2 U	2 U	1 U	1 U	1 U	1 U			1 U	1 U
Chlorodibromomethane	80	80		0.15	1 U	2 U	2 U	1 U	1 U	1 U	1 U			1 U	1 U
Chloroethane	230	900		21000	1 U	2 U	2 U	1 U	1 U	1 U	1 U			1 U	1 U
Chloroform	80	80		0.19	1 U	2 U	2 U	0.18 J	1 U	1 U	1 U			0.22 J	0.43 J
Chloromethane	30	30		190	1 U	2 U	2 U	1 U	1 U	1 U	1 U			1 U	1 U
cis-1,2-Dichloroethene	70	70	70	73	1 U	2 U	2 U	1 U	1 U	0.24 J	0.38 J			1 U	0.11 J
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	2 U	2 U	1 U	1 U	1 U	1 U			1 U	1 U
Ethylbenzene	700	700	700	1.5	1 U	2 U	2 U	1 U	1 U	1 U	1 U			1 U	1 U
Methyl tert-butyl ether	20	20		12	1 U	2 U	2 U	1 U	1 U	1 U	1 U			1 U	1 U
Methylene chloride	5	5		4.8	1 U	0.41 J	2 U	1 U	1 U	1 U	1 U			1 U	1 U
Styrene	100	100	100	1600	1 U	2 U	2 U	1 U	1 U	1 U	1 U			1 U	1 U
Tetrachloroethene	5	5	5	0.11	1 U	42	41	36	3.7	9	14	37	17	1.3	11
Toluene	1000	1000	1000	2300	1 U	2 U	2 U	1 U	1 U	1 U	1 U			1 U	1 U
Total VOCs															

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 2.4-3
Groundwater Data Summary - VOC 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 12/16/2009	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	CS-3 1/1/1991	CS-4 1/1/1991	MW-4 (Cole) 5/1/2008	MW-4 (Cole) 9/8/2008
trans-1,2-Dichloroethene	100	100	100	110	1 U	2 U	2 U	1 U	1 U	1 U	1 U			1 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.43	1 U	2 U	2 U	1 U	1 U	1 U	1 U			1 U	1 U
Trichloroethene	5	5	5	2	0.53 J	17	14	16	9.3	31	33	56	35	2.2	22
Vinyl Acetate	420	1800		410											
Vinyl Chloride	2	2	2	0.016	1 U	2 U	2 U	1 U	1 U	1 U	1 U			1 U	1 U
VOC Library Search															
Xylenes (Total)	10000	10000	10000	200	3 U	6 U	6 U	3 U	3 U	3 U	3 U			3 U	3 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 2.4-3
Groundwater Data Summary - VOC 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)	46-00006-0055-00 8/11/2005	46-00006-0055-BO 8/11/2005	46-00006-0055-BO Dup 8/11/2005	46-00006-0059-00 8/11/2005	46-00006-0061-00 8/11/2005	46-00006-0062-00 8/11/2005	HERMAN (S-7) 2/27/2004
TOTAL VOC											
				17855	1	0	0	0	0	1.3	1.2
Volatile Organic Compound											
1,1,1,2-Tetrachloroethane	70	70		0.52							
1,1,1-Trichloroethane	200	200	200	9100	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	3 U	3 U	3 U	3 U	3 U	3 U	3 U
1,1,2-Trichlorofluoromethane	2000	2000		1300							
1,1,2-Trichlorotrifluoroethane	63000	170000		59000							
1,1-Dichloroethane	31	160		2.4	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	7	7	7	340	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065							
1,2-Dichloroethane	5	5	5	0.15	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichloroethene	70	70	70	330							
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	600	600									
1,3-Dichloropropene	6.6	26		0.43							
1,4-Dioxane	6.4	32		0.67	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	
2-Butanone	4000	4000		7100	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Chloroethyl Vinyl Ether					5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	11	44		47							
4-Methyl-2-Pentanone	2900	8200		2000							
Acetone	33000	92000		22000							
Acrolein	0.042	0.18		0.042	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Acrylonitrile	0.72	3.7		0.045	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Benzene	5	5	5	0.41	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	90	90									
Bromodichloromethane	80	80		0.12	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	80	80		8.5	4 U	4 U	4 U	4 U	4 U	4 U	4 U
Bromomethane	10	10		8.7	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Disulfide	1500	6200		1000							
Carbon Tetrachloride	5	5	5	0.44	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Chlorobenzene	100	100	100	91	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorodibromomethane	80	80		0.15	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroethane	230	900		21000	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	80	80		0.19	1 J	1 J	5 U	5 U	5 U	5 U	1.3 J
Chloromethane	30	30		190	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	73	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	6.6	26		0.43	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	700	700	700	1.5	4 U	4 U	4 U	4 U	4 U	4 U	4 U
Methyl tert-butyl ether	20	20		12							
Methylene chloride	5	5		4.8	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Styrene	100	100	100	1600							
Tetrachloroethene	5	5	5	0.11	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	1000	1000	1000	2300	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Total VOCs											

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 2.4-3
Groundwater Data Summary - VOC 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)	46-00006-0055-00 8/11/2005	46-00006-0055-BO 8/11/2005	46-00006-0055-BO Dup 8/11/2005	46-00006-0059-00 8/11/2005	46-00006-0061-00 8/11/2005	46-00006-0062-00 8/11/2005	HERMAN (S-7) 2/27/2004
trans-1,2-Dichloroethene	100	100	100	110	5 U	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	6.6	26		0.43	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5	5	5	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Acetate	420	1800		410							
Vinyl Chloride	2	2	2	0.016	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VOC Library Search											
Xylenes (Total)	10000	10000	10000	200							

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 2.4-3
Groundwater Data Summary - VOC 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) 5/28/2004	HERMAN (S-7) 8/27/2004	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	HERMAN (S-7) 2/16/2006	HERMAN (S-7) 5/19/2006
TOTAL VOC													
				17855	0.9	1.3	1.2	1	1.1	0.99	0.95	0.6	1.35
Volatile Organic Compound													
1,1,1,2-Tetrachloroethane	70	70		0.52									
1,1,1-Trichloroethane	200	200	200	9100	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	3 U	3 U	3 U	3 U	3 U	3 U	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300									
1,1,2-Trichlorotrifluoroethane	63000	170000		59000									
1,1-Dichloroethane	31	160		2.4	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	2 U	2 U	2 U	2 U	2 U	2 U	1 U	1 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065									
1,2-Dichloroethane	5	5	5	0.15	2 U	2 U	2 U	2 U	2 U	2 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330									
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	600	600											
1,3-Dichloropropene	6.6	26		0.43									
1,4-Dioxane	6.4	32		0.67	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	200 U	200 U	200 U
2-Butanone	4000	4000		7100	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Chloroethyl Vinyl Ether					5 U	5 U	5 U	5 U	5 U	5 U	2 U	2 U	2 U
2-Hexanone	11	44		47									
4-Methyl-2-Pentanone	2900	8200		2000									
Acetone	33000	92000		22000									
Acrolein	0.042	0.18		0.042	100 U	100 U	100 U	100 U	100 U	100 U	20 U	20 U	20 U
Acrylonitrile	0.72	3.7		0.045	50 U	50 U	50 U	50 U	50 U	50 U	20 U	20 U	20 U
Benzene	5	5	5	0.41	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	90	90											
Bromodichloromethane	80	80		0.12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	80	80		8.5	4 U	4 U	4 U	4 U	4 U	4 U	1 U	1 U	1 U
Bromomethane	10	10		8.7	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
Carbon Disulfide	1500	6200		1000									
Carbon Tetrachloride	5	5	5	0.44	2 U	2 U	2 U	2 U	2 U	2 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	91	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
Chloroethane	230	900		21000	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
Chloroform	80	80		0.19	1.2 J	0.9 J	1.3 J	1.2 J	1 J	1.1 J	0.99 J	0.95 J	0.6 J
Chloromethane	30	30		190	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	70	70	70	73	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	6.6	26		0.43	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	4 U	4 U	4 U	4 U	4 U	4 U	1 U	1 U	1 U
Methyl tert-butyl ether	20	20		12									
Methylene chloride	5	5		4.8	3 U	3 U	3 U	3 U	3 U	3 U	1 U	1 U	1 U
Styrene	100	100	100	1600									
Tetrachloroethene	5	5	5	0.11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	1000	1000	1000	2300	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
Total VOCs													

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 2.4-3
Groundwater Data Summary - VOC 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) 5/28/2004	HERMAN (S-7) 8/27/2004	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	HERMAN (S-7) 2/16/2006	HERMAN (S-7) 5/19/2006
trans-1,2-Dichloroethene	100	100	100	110	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.43	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
Trichloroethene	5	5	5	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Acetate	420	1800		410									
Vinyl Chloride	2	2	2	0.016	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
VOC Library Search													
Xylenes (Total)	10000	10000	10000	200									

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 2.4-3
Groundwater Data Summary - VOC 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) 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	HERMAN (S-7) 6/25/2010	RW-1 4/14/1987	RW-1 4/14/1987	RW-1 12/17/1987	RW-2 11/10/1986
TOTAL VOC														
				17855	0.73	0.96	0.83	0.84	0.6	42	42	28	2093	549
Volatile Organic Compound														
1,1,1,2-Tetrachloroethane	70	70		0.52					1 U	1 U				
1,1,1-Trichloroethane	200	200	200	9100	1 U	1 U	1 U	1 U	1 U	1 U				
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	1 U	1 U	1 U	1 U				
1,1,2-Trichloroethane	5	5	5	0.24	1 U	1 U	1 U	1 U	1 U	1 U				
1,1,2-Trichlorofluoromethane	2000	2000		1300										
1,1,2-Trichlorotrifluoroethane	63000	170000		59000										
1,1-Dichloroethane	31	160		2.4	1 U	1 U	1 U	1 U	1 U	1 U				
1,1-Dichloroethene	7	7	7	340	1 U	1 U	1 U	1 U	1 U	1 U				
1,2-Dibromoethane	0.05	0.05	0.05	0.0065					1 U	1 U				
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	1 U	1 U	1 U	1 U				
1,2-Dichloroethene	70	70	70	330										
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U	1 U	1 U				
1,3-Dichlorobenzene	600	600												
1,3-Dichloropropene	6.6	26		0.43										
1,4-Dioxane	6.4	32		0.67	200 U	200 U	200 U	200 U	200 U	200 U				
2-Butanone	4000	4000		7100	10 U	5 U	5 U	5 U	10 U	10 U				
2-Chloroethyl Vinyl Ether					10 U	2 U	2 U	2 U						
2-Hexanone	11	44		47					10 U	10 U				
4-Methyl-2-Pentanone	2900	8200		2000					10 U	10 U				
Acetone	33000	92000		22000					10 U	10 U				
Acrolein	0.042	0.18		0.042	20 U	20 U	20 U	20 U						
Acrylonitrile	0.72	3.7		0.045	20 U	20 U	20 U	20 U	20 U	20 U				
Benzene	5	5	5	0.41	1 U	1 U	1 U	1 U	1 U	1 U				
Bromochloromethane	90	90							1 U	1 U				
Bromodichloromethane	80	80		0.12	1 U	1 U	1 U	1 U	1 U	1 U				
Bromoform	80	80		8.5	1 U	1 U	1 U	1 U	1 U	1 U				
Bromomethane	10	10		8.7	1 U	1 U	1 U	1 U	1 U	1 U				
Carbon Disulfide	1500	6200		1000					1 U	1 U				
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	1 U	1 U	1 U	1 U				
Chlorobenzene	100	100	100	91	1 U	1 U	1 U	1 U	1 U	1 U				
Chlorodibromomethane	80	80		0.15	1 U	1 U	1 U	1 U	1 U	1 U				
Chloroethane	230	900		21000	1 U	1 U	1 U	1 U	1 U	1 U				
Chloroform	80	80		0.19	1.1	0.73 J	0.96 J	0.83 J	0.84 J	0.6 J				
Chloromethane	30	30		190	0.25 J	1 U	1 U	1 U	1 U	1 U				
cis-1,2-Dichloroethene	70	70	70	73	1 U	1 U	1 U	1 U	1 U	1 U				19
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	1 U	1 U	1 U				
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	1 U	1 U	1 U				
Methyl tert-butyl ether	20	20		12					1 U	1 U				
Methylene chloride	5	5		4.8	1 U	1 U	1 U	1 U	1 U	1 U				
Styrene	100	100	100	1600					1 U	1 U				
Tetrachloroethene	5	5	5	0.11	1 U	1 U	1 U	1 U	1 U	1 U				4
Toluene	1000	1000	1000	2300	1 U	1 U	1 U	1 U	1 U	1 U				
Total VOCs														

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 2.4-3
Groundwater Data Summary - VOC 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) 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	HERMAN (S-7) 6/25/2010	RW-1 4/14/1987	RW-1 4/14/1987	RW-1 12/17/1987	RW-2 11/10/1986
trans-1,2-Dichloroethene	100	100	100	110	1 U	1 U	1 U	1 U	1 U	1 U				
trans-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	1 U	1 U	1 U				
Trichloroethene	5	5	5	2	1 U	1 U	1 U	1 U	1 U	1 U	42	42	28	2070
Vinyl Acetate	420	1800		410										
Vinyl Chloride	2	2	2	0.016	1 U	1 U	1 U	1 U	1 U	1 U				
VOC Library Search														
Xylenes (Total)	10000	10000	10000	200					3 U	3 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 2.4-3
Groundwater Data Summary - VOC 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 12/18/1986	RW-2 4/15/1987	RW-2 10/31/1995	RW-2 10/31/1995	RW-2 7/19/1996	RW-2 10/20/1997	RW-2 12/8/1998	RW-2 7/30/1999	RW-2 3/30/2000	RW-2 6/20/2001	RW-2 6/12/2002	RW-2 6/3/2003
TOTAL VOC																
				17855	1005	50	50	5	5	13	3	1.6	3.3	26.8	2.7	3.5
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52												
1,1,1-Trichloroethane	200	200	200	9100					1 U	0 U	0 U	1 U	1 U	0 U	0 U	0 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067					1 U			1 U	1 U			
1,1,2-Trichloroethane	5	5	5	0.24					1 U	0 U	0 U	1 U	1 U	0 U	0 U	0 U
1,1,2-Trichlorofluoromethane	2000	2000		1300								1 U	1 U			
1,1,2-Trichlorotrifluoroethane	63000	170000		59000		2										
1,1-Dichloroethane	31	160		2.4					1 U	0 U	0 U	1 U	1 U	0 U	0 U	0 U
1,1-Dichloroethene	7	7	7	340					1 U	0 U	0 U	1 U	1 U	0 U	0 U	0 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065												
1,2-Dichloroethane	5	5	5	0.15					1 U	0 U	0 U	1 U	1 U	0 U	0 U	0 U
1,2-Dichloroethene	70	70	70	330												
1,2-Dichloropropane	5	5	5	0.39					1 U			1 U	1 U			
1,3-Dichlorobenzene	600	600										2 U	2 U			
1,3-Dichloropropene	6.6	26		0.43												
1,4-Dioxane	6.4	32		0.67												
2-Butanone	4000	4000		7100					20 U							
2-Chloroethyl Vinyl Ether									10 U			1 U	1 U			
2-Hexanone	11	44		47					10 U							
4-Methyl-2-Pentanone	2900	8200		2000					10 U							
Acetone	33000	92000		22000					20 U	0 U	0 U			0 U	0 U	
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045												
Benzene	5	5	5	0.41					1 U	0 U	0 U			0 U	0 U	0 U
Bromochloromethane	90	90														
Bromodichloromethane	80	80		0.12					1 U	0 U	0 U	1 U	1 U	0 U	0 U	0 U
Bromoform	80	80		8.5					1 U			1 U	1 U			
Bromomethane	10	10		8.7					2 U			1 U	2 U			
Carbon Disulfide	1500	6200		1000					1 U	0 U	0 U			0 U	0 U	
Carbon Tetrachloride	5	5	5	0.44					1 U	0 U	0 U	1 U	1 U	0 U	0 U	0 U
Chlorobenzene	100	100	100	91					1 U	0 U	0 U	2 U	2 U	0 U	0 U	0 U
Chlorodibromomethane	80	80		0.15					1 U			1 U	1 U			
Chloroethane	230	900		21000					2 U	0 U	0 U	1 U	2 U	0 U	0 U	0 U
Chloroform	80	80		0.19		1			1 U	0 U	0 U	1 U	1 U	0 U	0 U	0 U
Chloromethane	30	30		190					2 U							
cis-1,2-Dichloroethene	70	70	70	73	5	7			U		0 U			0 U	1.8	
cis-1,3-Dichloropropene	6.6	26		0.43					1 U			1 U	1 U			
Ethylbenzene	700	700	700	1.5					1 U	0 U	0 U			0 U	0 U	0 U
Methyl tert-butyl ether	20	20		12												
Methylene chloride	5	5		4.8					2 U	0 U	0 U	1 U	1 U	0 U	0 U	0 U
Styrene	100	100	100	1600					1 U							
Tetrachloroethene	5	5	5	0.11		2			1 U	0 U	0 U	1 U	1 U	0 U	0 U	0 U
Toluene	1000	1000	1000	2300					1 U	0 U	0 U			0 U	0 U	0 U
Total VOCs																

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 2.4-3
Groundwater Data Summary - VOC 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 12/18/1986	RW-2 4/15/1987	RW-2 10/31/1995	RW-2 10/31/1995	RW-2 7/19/1996	RW-2 10/20/1997	RW-2 12/8/1998	RW-2 7/30/1999	RW-2 3/30/2000	RW-2 6/20/2001	RW-2 6/12/2002	RW-2 6/3/2003
trans-1,2-Dichloroethene	100	100	100	110					1 U	0 U	0 U	1 U	1 U	0 U	0 U	0 U
trans-1,3-Dichloropropene	6.6	26		0.43					1 U			1 U	1 U			
Trichloroethene	5	5	5	2	544	993	50	50	5	5	13	3	1.6	3.3	25	2.7
Vinyl Acetate	420	1800		410					10 U							
Vinyl Chloride	2	2	2	0.016					2 U	0 U	0 U	1 U	1 U	0 U	0 U	0 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	200					5 U	0 U	0 U			0 U	0 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 2.4-3
Groundwater Data Summary - VOC 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 6/8/2004	RW-2 6/15/2005	RW-2 6/21/2006	RW-2 6/26/2007	RW-2 4/22/2008	RW-2 9/26/2008	RW-2 7/16/2009	RW-2 7/6/2010	RW-3 12/15/1986	RW-3 4/14/1987	RW-4 Folk 12/5/1991	RW-4 Folk 3/11/1992
TOTAL VOC																
				17855	3.2	1.4	4.6	1.92	2.7	5.38	4.3	991	2165	0	0	
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52					1 U	1 U	1 U	1 U			U	U
1,1,1-Trichloroethane	200	200	200	9100	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U			U	U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U				
1,1,2-Trichloroethane	5	5	5	0.24	3 U	3 U	5 U	5 U	1 U	1 U	1 U	1 U			U	U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1,2-Trichlorotrifluoroethane	63000	170000		59000										1		
1,1-Dichloroethane	31	160		2.4	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U			U	U
1,1-Dichloroethene	7	7	7	340	2 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U			U	U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065					1 U	1 U	1 U	1 U				
1,2-Dichloroethane	5	5	5	0.15	2 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U			U	U
1,2-Dichloroethene	70	70	70	330											U	U
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U			U	U
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.43											U	U
1,4-Dioxane	6.4	32		0.67	1000 U	1000 U	1000 U	1000 U	200 U		200 U	200 U				
2-Butanone	4000	4000		7100	5 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U				
2-Chloroethyl Vinyl Ether					5 U	5 U	10 U	10 U							U	U
2-Hexanone	11	44		47					10 U	10 U	10 U	10 U				
4-Methyl-2-Pentanone	2900	8200		2000					10 U	10 U	10 U	10 U				
Acetone	33000	92000		22000					10 U	10 U	10 U	10 U				
Acrolein	0.042	0.18		0.042	100 U	100 U	100 U	100 U								
Acrylonitrile	0.72	3.7		0.045	50 U	50 U	100 U	100 U	20 U		20 U	20 U				
Benzene	5	5	5	0.41	1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U			U	U
Bromochloromethane	90	90							1 U	1 U	1 U	1 U				
Bromodichloromethane	80	80		0.12	1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U			U	U
Bromoform	80	80		8.5	4 U	4 U	5 U	5 U	1 U	1 U	1 U	1 U			U	U
Bromomethane	10	10		8.7	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U			U	U
Carbon Disulfide	1500	6200		1000					1 U	1 U	1 U	0.81 J B				
Carbon Tetrachloride	5	5	5	0.44	2 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U			U	U
Chlorobenzene	100	100	100	91	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U			U	U
Chlorodibromomethane	80	80		0.15	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U			U	U
Chloroethane	230	900		21000	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U			U	U
Chloroform	80	80		0.19	5 U	0.8 J	5 U	1.2 J	0.22 J	0.7 J	1.3	0.63 J		2	U	U
Chloromethane	30	30		190	5 U	5 U	5 U	5 U	1 U	1 U	1 U	0.54 J				
cis-1,2-Dichloroethene	70	70	70	73	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	3	13		
cis-1,3-Dichloropropene	6.6	26		0.43	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U				
Ethylbenzene	700	700	700	1.5	4 U	4 U	5 U	5 U	1 U	1 U	1 U	1 U			U	U
Methyl tert-butyl ether	20	20		12					1 U	1 U	1 U	1 U				
Methylene chloride	5	5		4.8	3 U	3 U	5 U	5 U	1 U	1 U	1 U	1 U			U	U
Styrene	100	100	100	1600					1 U	1 U	1 U	1 U				
Tetrachloroethene	5	5	5	0.11	1 U	1 U	5 U	5 U	1 U	1 U	0.18 J	1 U	2	12	U	U
Toluene	1000	1000	1000	2300	5 U	5 U	5 U	1.3 J	1 U	1 U	1 U	0.32 J			U	U
Total VOCs																

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 2.4-3
Groundwater Data Summary - VOC 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 6/8/2004	RW-2 6/15/2005	RW-2 6/21/2006	RW-2 6/26/2007	RW-2 4/22/2008	RW-2 9/26/2008	RW-2 7/16/2009	RW-2 7/6/2010	RW-3 12/15/1986	RW-3 4/14/1987	RW-4 Folk 12/5/1991	RW-4 Folk 3/11/1992
trans-1,2-Dichloroethene	100	100	100	110	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U				
trans-1,3-Dichloropropene	6.6	26		0.43	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U				
Trichloroethene	5	5	5	2	3.5	2.4	1.4 J	2.1 J	1.7	2	3.9	2	986	2137	U	U
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U			U	U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	200					3 U	3 U	3 U	3 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 2.4-3
Groundwater Data Summary - VOC 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 6/12/1992	RW-4 Folk 9/30/1992	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
TOTAL VOC																
				0	0	0	0	0	0	0	0	0	0	0	0	0
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52	U	U	U	U	U	U	U	U	U		U	U
1,1,1-Trichloroethane	200	200	200	9100	U	U	U	U	U	U	U	U	U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067										1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	U	U	U	U	U	U	U	U	U	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1,2-Trichlorotrifluoroethane	63000	170000		59000											1 U	1 U
1,1-Dichloroethane	31	160		2.4	U	U	U	U	U	U	U	U	U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	U	U	U	U	U	U	U	U	U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0065												
1,2-Dichloroethane	5	5	5	0.15	U	U	U	U	U	U	U	U	U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330	U	U	U	U	U	U	U	U	U	1 U	1 U	1 U
1,2-Dichloropropane	5	5	5	0.39	U	U	U	U	U	U	U	U	U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	13	53		370												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.43	U	U	U	U	U	U	U	U	U	1 U	1 U	1 U
1,4-Dioxane	6.4	32		0.67												
2-Butanone	4000	4000		7100												
2-Chloroethyl Vinyl Ether					U	U	U	U	U	U	U	U	U	10 U	10 U	10 U
2-Hexanone	11	44		47												
4-Methyl-2-Pentanone	2900	8200		2000												
Acetone	33000	92000		22000												
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045												
Benzene	5	5	5	0.41	U	U	U	U	U	U	U	U	U	1 U	2 U	2 U
Bromochloromethane	90	90														
Bromodichloromethane	80	80		0.12	U	U	U	U	U	U	U	U	U	1 U	2 U	2 U
Bromoform	80	80		8.5	U	U	U	U	U	U	U	U	U	1 U	2 U	2 U
Bromomethane	10	10		8.7	U	U	U	U	U	U	U	U	U	2 U	5 U	5 U
Carbon Disulfide	1500	6200		1000												
Carbon Tetrachloride	5	5	5	0.44	U	U	U	U	U	U	U	U	U	1 U	1 U	1 U
Chlorobenzene	100	100	100	91	U	U	U	U	U	U	U	U	U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	U	U	U	U	U	U	U	U	U	1 U	2 U	2 U
Chloroethane	230	900		21000	U	U	U	U	U	U	U	U	U	2 U	1 U	1 U
Chloroform	80	80		0.19	U	U	U	U	U	U	U	U	U	1 U	1 U	1 U
Chloromethane	30	30		190										2 U	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	73												
cis-1,3-Dichloropropene	6.6	26		0.43												
Ethylbenzene	700	700	700	1.5	U	U	U	U	U	U	U	U	U	1 U	1 U	1 U
Isopropylbenzene	840	3500		680												
Methyl tert-butyl ether	20	20		12												
Methylene chloride	5	5		4.8	U	U	U	U	U	U	U	U	U	2 U	5 U	2 U
Naphthalene	100	100		0.14												

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 2.4-3
Groundwater Data Summary - VOC 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 6/12/1992	RW-4 Folk 9/30/1992	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
Styrene	100	100	100	1600												
Tetrachloroethene	5	5	5	0.11	U	U	U	U	U	U	U	U	U	1 U	1 U	1 U
Toluene	1000	1000	1000	2300	U	U	U	U	U	U	U	U	U	1 U	2 U	2 U
trans-1,2-Dichloroethene	100	100	100	110												
trans-1,3-Dichloropropene	6.6	26		0.43												
Trichloroethene	5	5	5	2	U	U	U	U	U	U	U	U	U	1 U	1 U	1 U
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	U	U	U	U	U	U	U	U	U	2 U	1 U	1 U
Xylenes (Total)	10000	10000	10000	200												

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 2.4-3
Groundwater Data Summary - VOC 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 6/7/1995	RW-4 Folk 9/4/1996	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 11/24/2004	RW-4 Folk 3/1/2005	RW-4 Folk 5/17/2005	RW-4 Folk 8/18/2005
TOTAL VOC																
				0	0	0	0	0	0	0	1.7	0	0	0	0	0
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52												
1,1,1-Trichloroethane	200	200	200	9100	1 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	1 U	1 U	1 U	1 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1,2-Trichlorotrifluoroethane	63000	170000		59000	1 U											
1,1-Dichloroethane	31	160		2.4	1 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	7	7	7	340	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0065												
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichloroethene	70	70	70	330	1 U											
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	13	53		370												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	1 U	1 U							
1,4-Dioxane	6.4	32		0.67							1000 U	1000 U	1000 U	1000 U	1000 U	1000 U
2-Butanone	4000	4000		7100						5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Chloroethyl Vinyl Ether					10 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	11	44		47												
4-Methyl-2-Pentanone	2900	8200		2000												
Acetone	33000	92000		22000												
Acrolein	0.042	0.18		0.042						100 U	100 U	100 U	100 U	100 U	100 U	100 U
Acrylonitrile	0.72	3.7		0.045						50 U	50 U	50 U	50 U	50 U	50 U	50 U
Benzene	5	5	5	0.41	2 U	2 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	90	90														
Bromodichloromethane	80	80		0.12	2 U	2 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	80	80		8.5	2 U	2 U	2 U	2 U	2 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U
Bromomethane	10	10		8.7	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Disulfide	1500	6200		1000												
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Chlorobenzene	100	100	100	91	1 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorodibromomethane	80	80		0.15	2 U	2 U	2 U	2 U	2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroethane	230	900		21000	1 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	80	80		0.19	1 U	1 U	1 U	1 U	1 U	5 U	5 U	1.7 J	5 U	5 U	5 U	5 U
Chloromethane	30	30		190	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	73						5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	6.6	26		0.43						5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	1 U	1 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U
Isopropylbenzene	840	3500		680												
Methyl tert-butyl ether	20	20		12												
Methylene chloride	5	5		4.8	2 U	2 U	2 U	2 U	2 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Naphthalene	100	100		0.14												

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 2.4-3
Groundwater Data Summary - VOC 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 6/7/1995	RW-4 Folk 9/4/1996	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 11/24/2004	RW-4 Folk 3/1/2005	RW-4 Folk 5/17/2005	RW-4 Folk 8/18/2005
Styrene	100	100	100	1600												
Tetrachloroethene	5	5	5	0.11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	1000	1000	1000	2300	2 U	2 U	2 U	2 U	2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,2-Dichloroethene	100	100	100	110		1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	6.6	26		0.43						5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5	5	5	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	1 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Xylenes (Total)	10000	10000	10000	200												

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 2.4-3
Groundwater Data Summary - VOC 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 11/15/2005	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
TOTAL VOC																
				0	0	0.79	0.2	0	0	0.18	0.16	0.095	0	0.18	0.17	20
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52								1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	200	200	200	9100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1,2-Trichlorotrifluoroethane	63000	170000		59000												
1,1-Dichloroethane	31	160		2.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0065								1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330												
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	13	53		370												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.43												
1,4-Dioxane	6.4	32		0.67	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U
2-Butanone	4000	4000		7100	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U
2-Chloroethyl Vinyl Ether					2 U	2 U	2 U	10 U	2 U	2 U	2 U					
2-Hexanone	11	44		47								10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	2900	8200		2000								10 U	10 U	10 U	10 U	10 U
Acetone	33000	92000		22000								10 U	10 U	10 U	10 U	10 U
Acrolein	0.042	0.18		0.042	20 U	20 U	20 U	20 U	20 U	20 U	20 U					
Acrylonitrile	0.72	3.7		0.045	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Benzene	5	5	5	0.41	1 U	1 U	0.31 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	90	90										1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	80	80		0.12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	80	80		8.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	10	10		8.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	1500	6200		1000								1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	91	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	230	900		21000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	80	80		0.19	1 U	1 U	1 U	1 U	1 U	1 U	0.18 J	0.16 J	0.095 J	1 U	0.18 J	0.17 J
Chloromethane	30	30		190	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	70	70	70	73	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	840	3500		680												
Methyl tert-butyl ether	20	20		12								1 U	1 U	1 U	1 U	1 U
Methylene chloride	5	5		4.8	1 U	1 U	0.48 JB	0.2 JB	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Naphthalene	100	100		0.14												

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 2.4-3
Groundwater Data Summary - VOC 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 11/15/2005	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
Styrene	100	100	100	1600								1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	5	5	0.11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	1000	1000	1000	2300	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	100	100	100	110	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	5	5	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes (Total)	10000	10000	10000	200								3 U	3 U	3 U	3 U	3 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 2.4-3
Groundwater Data Summary - VOC 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 2/5/1987	RW-5 4/24/1988	RW-5 3/21/1989	RW-5 6/7/1989	RW-5 9/6/1989	RW-5 12/5/1989	RW-5 3/6/1990	RW-5 6/6/1990	RW-5 9/5/1990	RW-5 12/6/1990	RW-5 3/13/1991	RW-5 6/5/1991	RW-5 9/5/1991
TOTAL VOC																	
				0	30	23	47	41	20	16	27	42	32	18	40	42	37
Volatile Organic Compound																	
1,1,1,2-Tetrachloroethane	70	70		0.52													
1,1,1-Trichloroethane	200	200	200	9100		4											
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067													
1,1,2-Trichloroethane	5	5	5	0.24													
1,1,2-Trichlorofluoromethane	2000	2000		1300													
1,1,2-Trichlorotrifluoroethane	63000	170000		59000													
1,1-Dichloroethane	31	160		2.4													
1,1-Dichloroethene	7	7	7	340													
1,2,4-Trimethylbenzene	15	62		15													
1,2-Dibromoethane	0.05	0.05	0.05	0.0065													
1,2-Dichloroethane	5	5	5	0.15													
1,2-Dichloroethene	70	70	70	330													
1,2-Dichloropropane	5	5	5	0.39													
1,3,5-Trimethylbenzene	13	53		370													
1,3-Dichlorobenzene	600	600															
1,3-Dichloropropene	6.6	26		0.43													
1,4-Dioxane	6.4	32		0.67													
2-Butanone	4000	4000		7100													
2-Chloroethyl Vinyl Ether																	
2-Hexanone	11	44		47													
4-Methyl-2-Pentanone	2900	8200		2000													
Acetone	33000	92000		22000													
Acrolein	0.042	0.18		0.042													
Acrylonitrile	0.72	3.7		0.045													
Benzene	5	5	5	0.41													
Bromochloromethane	90	90															
Bromodichloromethane	80	80		0.12	7		4	6	6	4	3	3	5	3	3	4	4
Bromoform	80	80		8.5													
Bromomethane	10	10		8.7													
Carbon Disulfide	1500	6200		1000													
Carbon Tetrachloride	5	5	5	0.44													
Chlorobenzene	100	100	100	91													
Chlorodibromomethane	80	80		0.15		6											
Chloroethane	230	900		21000													
Chloroform	80	80		0.19	13	19	19	41	35	16	13	24	37	29	15	36	38
Chloromethane	30	30		190													
cis-1,2-Dichloroethene	70	70	70	73													
cis-1,3-Dichloropropene	6.6	26		0.43													
Ethylbenzene	700	700	700	1.5													
Isopropylbenzene	840	3500		680													
Methyl tert-butyl ether	20	20		12													
Methylene chloride	5	5		4.8													
Naphthalene	100	100		0.14													

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 2.4-3
Groundwater Data Summary - VOC 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 2/5/1987	RW-5 4/24/1988	RW-5 3/21/1989	RW-5 6/7/1989	RW-5 9/6/1989	RW-5 12/5/1989	RW-5 3/6/1990	RW-5 6/6/1990	RW-5 9/5/1990	RW-5 12/6/1990	RW-5 3/13/1991	RW-5 6/5/1991	RW-5 9/5/1991
Styrene	100	100	100	1600													
Tetrachloroethene	5	5	5	0.11		1											
Toluene	1000	1000	1000	2300													
trans-1,2-Dichloroethene	100	100	100	110													
trans-1,3-Dichloropropene	6.6	26		0.43													
Trichloroethene	5	5	5	2													
Vinyl Acetate	420	1800		410													
Vinyl Chloride	2	2	2	0.016													
Xylenes (Total)	10000	10000	10000	200													

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 2.4-3
Groundwater Data Summary - VOC 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 VOC																
				0	29	55	73	31	22	61	54	38	20	0	11	11
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52												
1,1,1-Trichloroethane	200	200	200	9100	U	U	U	U	U	U	U	U	U	U	U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	U	U	U	U	U	U	U	U	U	U	U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	U	U	U	U	U	U	U	U	U	U	U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1,2-Trichlorotrifluoroethane	63000	170000		59000												
1,1-Dichloroethane	31	160		2.4	U	U	U	U	U	U	U	U	U	U	U	1 U
1,1-Dichloroethene	7	7	7	340	U	U	U	U	U	U	U	U	U	U	U	1 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0065												
1,2-Dichloroethane	5	5	5	0.15	U	U	U	U	U	U	U	U	U	U	U	1 U
1,2-Dichloroethene	70	70	70	330												1 U
1,2-Dichloropropane	5	5	5	0.39	U	U	U	U	U	U	U	U	U	U	U	1 U
1,3,5-Trimethylbenzene	13	53		370												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.43	U	U	U	U	U	U	U	U	U	U	U	1 U
1,4-Dioxane	6.4	32		0.67												
2-Butanone	4000	4000		7100												
2-Chloroethyl Vinyl Ether					U	U	U	U	U	U	U	U	U	U	U	10 U
2-Hexanone	11	44		47												
4-Methyl-2-Pentanone	2900	8200		2000												
Acetone	33000	92000		22000												
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045												
Benzene	5	5	5	0.41	U	U	U	U	U	U	U	U	U	U	U	1 U
Bromochloromethane	90	90														
Bromodichloromethane	80	80		0.12	3	4	5	4	3	3	5	4	2	U	U	1 U
Bromoform	80	80		8.5	U	U	U	U	U	U	U	U	U	U	U	1 U
Bromomethane	10	10		8.7	U	U	U	U	U	U	U	U	U	U	U	2 U
Carbon Disulfide	1500	6200		1000												
Carbon Tetrachloride	5	5	5	0.44	U	U	U	U	U	U	U	U	U	U	U	1 U
Chlorobenzene	100	100	100	91	U	U	U	U	U	U	U	U	U	U	U	1 U
Chlorodibromomethane	80	80		0.15	U	U	U	U	U	U	U	U	U	U	U	1 U
Chloroethane	230	900		21000	U	U	U	U	U	U	U	U	U	U	U	2 U
Chloroform	80	80		0.19	34	25	50	69	28	19	56	50	36	19	U	9
Chloromethane	30	30		190												2 U
cis-1,2-Dichloroethene	70	70	70	73												
cis-1,3-Dichloropropene	6.6	26		0.43												
Ethylbenzene	700	700	700	1.5	U	U	U	U	U	U	U	U	U	U	U	1 U
Isopropylbenzene	840	3500		680												
Methyl tert-butyl ether	20	20		12												
Methylene chloride	5	5		4.8	U	U	U	U	U	U	U	U	U	U	U	2 U
Naphthalene	100	100		0.14												

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 2.4-3
Groundwater Data Summary - VOC 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
Styrene	100	100	100	1600												
Tetrachloroethene	5	5	5	0.11	U	U	U	U	U	U	U	U	U	U	U	1 U
Toluene	1000	1000	1000	2300	U	U	U	U	U	U	U	U	U	U	U	1 U
trans-1,2-Dichloroethene	100	100	100	110	U	U	U	U	U	U	U	U	U	U	U	
trans-1,3-Dichloropropene	6.6	26		0.43												
Trichloroethene	5	5	5	2	U	U	U	U	U	U	U	U	U	1	U	2
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	U	U	U	U	U	U	U	U	U	U	U	2 U
Xylenes (Total)	10000	10000	10000	200												

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 2.4-3
Groundwater Data Summary - VOC 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 3/27/1995	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 6/6/1996	RW-5 6/6/1996	RW-5 9/4/1996	RW-5 12/3/1996
TOTAL VOC																	
				0	31	42	72	17	16	14	15	8	3	3	11	8	4
Volatile Organic Compound																	
1,1,1,2-Tetrachloroethane	70	70		0.52													
1,1,1-Trichloroethane	200	200	200	9100	1 U	1 U	1 U	1 U	U	1 U	U	1 U	U			1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	1 U	1 U	U	1 U	U	1 U	U			1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	1 U	1 U	1 U	U	1 U	U	1 U	U			1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300													
1,1,2-Trichlorotrifluoroethane	63000	170000		59000	1 U	1 U	1 U	1 U		1 U							
1,1-Dichloroethane	31	160		2.4	1 U	1 U	1 U	1 U	U	1 U	U	1 U	U			1 U	1 U
1,1-Dichloroethene	7	7	7	340	1 U	1 U	1 U	1 U	U	1 U	U	1 U	U			1 U	1 U
1,2,4-Trimethylbenzene	15	62		15													
1,2-Dibromoethane	0.05	0.05	0.05	0.0065													
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	1 U	1 U	U	1 U	U	1 U	U			1 U	1 U
1,2-Dichloroethene	70	70	70	330	1 U	1	1	2		1 U							
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U	U	1 U	U	1 U	U			1 U	1 U
1,3,5-Trimethylbenzene	13	53		370													
1,3-Dichlorobenzene	600	600															
1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	1 U	U	1 U	U		U			1 U	1 U
1,4-Dioxane	6.4	32		0.67													
2-Butanone	4000	4000		7100								10 U					
2-Chloroethyl Vinyl Ether					10 U	10 U	10 U	10 U	U	10 U	U	10 U	U			10 U	10 U
2-Hexanone	11	44		47								10 U					
4-Methyl-2-Pentanone	2900	8200		2000								10 U					
Acetone	33000	92000		22000								10 U					
Acrolein	0.042	0.18		0.042													
Acrylonitrile	0.72	3.7		0.045													
Benzene	5	5	5	0.41	2 U	2 U	2 U	2 U	U	2 U	U	1 U	U			2 U	2 U
Bromochloromethane	90	90															
Bromodichloromethane	80	80		0.12	2 U	2 U	2 U	2 U	U	2 U	U	1 U	U			2 U	2 U
Bromoform	80	80		8.5	2 U	2 U	2 U	2 U	U	2 U	U	1 U	U			2 U	2 U
Bromomethane	10	10		8.7	5 U	5 U	5 U	5 U	U	5 U	U	2 U	U			5 U	5 U
Carbon Disulfide	1500	6200		1000								1 U					
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	1 U	1 U	U	1 U	U	1 U	U			1 U	1 U
Chlorobenzene	100	100	100	91	1 U	1 U	1 U	1 U	U	1 U	U	1 U	U			1 U	1 U
Chlorodibromomethane	80	80		0.15	2 U	2 U	2 U	2 U	U	2 U	U	1 U	U			2 U	2 U
Chloroethane	230	900		21000	1 U	1 U	1 U	1 U	U	1 U	U	2 U	U			1 U	1 U
Chloroform	80	80		0.19	6	4	4	3	2 B	2	2 B	2	1			1 U	1 U
Chloromethane	30	30		190	5 U	5 U	5 U	5 U		5 U		2 U				5 U	5 U
cis-1,2-Dichloroethene	70	70	70	73													
cis-1,3-Dichloropropene	6.6	26		0.43								1 U					
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	1 U	U	1 U	U	1 U	U			1 U	1 U
Isopropylbenzene	840	3500		680													
Methyl tert-butyl ether	20	20		12													
Methylene chloride	5	5		4.8	2 U	2 U	2 U	2 U	U	2 U	U	2 U	U			2 U	2 U
Naphthalene	100	100		0.14													

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 2.4-3
Groundwater Data Summary - VOC 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 3/27/1995	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 6/6/1996	RW-5 6/6/1996	RW-5 9/4/1996	RW-5 12/3/1996
Styrene	100	100	100	1600								1 U					
Tetrachloroethene	5	5	5	0.11	1 U	2	4	8	2	2	2	2	2			2	2
Toluene	1000	1000	1000	2300	2 U	2 U	2 U	2 U	U	2 U	U	1 U	U			2 U	2 U
trans-1,2-Dichloroethene	100	100	100	110	U	1		2	U		U	1 U	U			1 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.43								1 U					
Trichloroethene	5	5	5	2	5	23	33	57	13	12	10	11	5	3	3	9	6
Vinyl Acetate	420	1800		410								10 U					
Vinyl Chloride	2	2	2	0.016	1 U	1 U	1 U	1 U	U	1 U	U	2 U	U			1 U	1 U
Xylenes (Total)	10000	10000	10000	200								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 2.4-3
Groundwater Data Summary - VOC 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 3/6/1997	RW-5 6/4/1997	RW-5 7/30/1999	RW-5 3/31/2000	RW-5 6/21/2006	RW-5 6/26/2007	RW-5 4/22/2008	RW-5 9/26/2008	RW-5 7/8/2009	RW-5 7/7/2010	RW-6 3/9/1995	RW-6 6/7/1995	HERMAN (S-7) 12/5/1991
TOTAL VOC																	
				0	5	4	4.2	0	2.5	4.56	3.99	2.93	3.5	0	0	0	0
Volatile Organic Compound																	
1,1,1,2-Tetrachloroethane	70	70		0.52							1 U	1 U	1 U	1 U			U
1,1,1-Trichloroethane	200	200	200	9100	1 U	1 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,1,2-Trichloroethane	5	5	5	0.24	1 U	1 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	U
1,1,2-Trichlorofluoromethane	2000	2000		1300			1 U	1 U									
1,1,2-Trichlorotrifluoroethane	63000	170000		59000											1 U	1 U	
1,1-Dichloroethane	31	160		2.4	1 U	1 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	U
1,1-Dichloroethene	7	7	7	340	1 U	1 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	U
1,2,4-Trimethylbenzene	15	62		15													
1,2-Dibromoethane	0.05	0.05	0.05	0.0065							1 U	1 U	1 U	1 U			
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	U
1,2-Dichloroethene	70	70	70	330											1 U	1 U	U
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	U
1,3,5-Trimethylbenzene	13	53		370													
1,3-Dichlorobenzene	600	600					2 U	2 U									
1,3-Dichloropropene	6.6	26		0.43	1 U	1 U									1 U	1 U	U
1,4-Dioxane	6.4	32		0.67					1000 U	1000 U	200 U	200 U	200 U	200 U			
2-Butanone	4000	4000		7100					5 U	5 U	10 U	10 U	10 U	10 U			
2-Chloroethyl Vinyl Ether					10 U	10 U	1 U	1 U	10 U	10 U					10 U	10 U	U
2-Hexanone	11	44		47							10 U	10 U	10 U	10 U			
4-Methyl-2-Pentanone	2900	8200		2000							10 U	10 U	10 U	10 U			
Acetone	33000	92000		22000							10 U	10 U	10 U	10 U			
Acrolein	0.042	0.18		0.042					100 U	100 U							
Acrylonitrile	0.72	3.7		0.045					100 U	100 U	20 U	20 U	20 U	20 U			
Benzene	5	5	5	0.41	2 U	2 U			5 U	5 U	1 U	1 U	1 U	1 U	2 U	2 U	U
Bromochloromethane	90	90									1 U	1 U	1 U	1 U			
Bromodichloromethane	80	80		0.12	2 U	2 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U	2 U	2 U	U
Bromoform	80	80		8.5	2 U	2 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U	2 U	2 U	U
Bromomethane	10	10		8.7	5 U	5 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	5 U	5 U	U
Carbon Disulfide	1500	6200		1000							1 U	1 U	1 U	0.91 J			
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	U
Chlorobenzene	100	100	100	91	1 U	1 U	2 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	U
Chlorodibromomethane	80	80		0.15	2 U	2 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U	2 U	2 U	U
Chloroethane	230	900		21000	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	U
Chloroform	80	80		0.19	1 U	1 U	1 U	1 U	5 U	5 U	0.1 J	1 U	1 U	1 U	1 U	1 U	U
Chloromethane	30	30		190	5 U	5 U			5 U	5 U	1 U	1 U	1 U	1 U	5 U	5 U	
cis-1,2-Dichloroethene	70	70	70	73					5 U	5 U	2.2	1.6	1.4	1.5			
cis-1,3-Dichloropropene	6.6	26		0.43			1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U			
Ethylbenzene	700	700	700	1.5	1 U	1 U			5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	U
Isopropylbenzene	840	3500		680													
Methyl tert-butyl ether	20	20		12							1 U	1 U	1 U	1 U			
Methylene chloride	5	5		4.8	2 U	2 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U	2 U	2 U	U
Naphthalene	100	100		0.14													

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 2.4-3
Groundwater Data Summary - VOC 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 3/6/1997	RW-5 6/4/1997	RW-5 7/30/1999	RW-5 3/31/2000	RW-5 6/21/2006	RW-5 6/26/2007	RW-5 4/22/2008	RW-5 9/26/2008	RW-5 7/8/2009	RW-5 7/7/2010	RW-6 3/9/1995	RW-6 6/7/1995	HERMAN (S-7) 12/5/1991
Styrene	100	100	100	1600							1 U	1 U	1 U	1 U			
Tetrachloroethene	5	5	5	0.11	1	1	1 U	1 U	5 U	5 U	0.26 J	0.39 J	0.23 J	0.19 J	1 U	1 U	U
Toluene	1000	1000	1000	2300	2 U	2 U			5 U	5 U	1 U	1 U	1 U	1 U	2 U	2 U	U
trans-1,2-Dichloroethene	100	100	100	110	1 U	1 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U			
trans-1,3-Dichloropropene	6.6	26		0.43			1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U			
Trichloroethene	5	5	5	2	3	4	4	4.2	5 U	2.5 J	2	2	1.3	0.9 J	1 U	1 U	U
Vinyl Acetate	420	1800		410													
Vinyl Chloride	2	2	2	0.016	1 U	1 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	U
Xylenes (Total)	10000	10000	10000	200							3 U	3 U	3 U	3 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 2.4-3
Groundwater Data Summary - VOC 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) 3/11/1992	HERMAN (S-7) 9/30/1992	HERMAN (S-7) 12/18/1992	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
TOTAL VOC													
				0	0	0	0	0	0	0	0	1	0
Volatile Organic Compound													
1,1,1,2-Tetrachloroethane	70	70		0.52	U	U	U	U	U	U	U	U	U
1,1,1-Trichloroethane	200	200	200	9100	U	U	U	U	U	U	U	U	U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067									
1,1,2-Trichloroethane	5	5	5	0.24	U	U	U	U	U	U	U	U	U
1,1,2-Trichlorofluoromethane	2000	2000		1300									
1,1,2-Trichlorotrifluoroethane	63000	170000		59000									
1,1-Dichloroethane	31	160		2.4	U	U	U	U	U	U	U	U	U
1,1-Dichloroethene	7	7	7	340	U	U	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	15	62		15									
1,2-Dibromoethane	0.05	0.05	0.05	0.0065									
1,2-Dichloroethane	5	5	5	0.15	U	U	U	U	U	U	U	U	1
1,2-Dichloroethene	70	70	70	330	U	U	U	U	U	U	U	U	U
1,2-Dichloropropane	5	5	5	0.39	U	U	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	13	53		370									
1,3-Dichlorobenzene	600	600											
1,3-Dichloropropene	6.6	26		0.43	U	U	U	U	U	U	U	U	U
1,4-Dioxane	6.4	32		0.67									
2-Butanone	4000	4000		7100									
2-Chloroethyl Vinyl Ether					U	U	U	U	U	U	U	U	U
2-Hexanone	11	44		47									
4-Methyl-2-Pentanone	2900	8200		2000									
Acetone	33000	92000		22000									
Acrolein	0.042	0.18		0.042									
Acrylonitrile	0.72	3.7		0.045									
Benzene	5	5	5	0.41	U	U	U	U	U	U	U	U	U
Bromochloromethane	90	90											
Bromodichloromethane	80	80		0.12	U	U	U	U	U	U	U	U	U
Bromoform	80	80		8.5	U	U	U	U	U	U	U	U	U
Bromomethane	10	10		8.7	U	U	U	U	U	U	U	U	U
Carbon Disulfide	1500	6200		1000									
Carbon Tetrachloride	5	5	5	0.44	U	U	U	U	U	U	U	U	U
Chlorobenzene	100	100	100	91	U	U	U	U	U	U	U	U	U
Chlorodibromomethane	80	80		0.15	U	U	U	U	U	U	U	U	U
Chloroethane	230	900		21000	U	U	U	U	U	U	U	U	U
Chloroform	80	80		0.19	U	U	U	U	U	U	U	U	U
Chloromethane	30	30		190									
cis-1,2-Dichloroethene	70	70	70	73									
cis-1,3-Dichloropropene	6.6	26		0.43									
Ethylbenzene	700	700	700	1.5	U	U	U	U	U	U	U	U	U
Isopropylbenzene	840	3500		680									
Methyl tert-butyl ether	20	20		12									
Methylene chloride	5	5		4.8	U	U	U	U	U	U	U	U	U
Naphthalene	100	100		0.14									

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 2.4-3
Groundwater Data Summary - VOC 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) 3/11/1992	HERMAN (S-7) 9/30/1992	HERMAN (S-7) 12/18/1992	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
Styrene	100	100	100	1600									
Tetrachloroethene	5	5	5	0.11	U	U	U	U	U	U	U	U	U
Toluene	1000	1000	1000	2300	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	100	100	100	110									
trans-1,3-Dichloropropene	6.6	26		0.43									
Trichloroethene	5	5	5	2	U	U	U	U	U	U	U	U	U
Vinyl Acetate	420	1800		410									
Vinyl Chloride	2	2	2	0.016	U	U	U	U	U	U	U	U	U
Xylenes (Total)	10000	10000	10000	200									

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 2.4-3
Groundwater Data Summary - VOC 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) 7/15/1994	HERMAN (S-7) 11/14/1994	HERMAN (S-7) 3/9/1995	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
TOTAL VOC													
				0	0	0	0	0	0	2	1	0.57	368
Volatile Organic Compound													
1,1,1,2-Tetrachloroethane	70	70		0.52		U	U						1 U
1,1,1-Trichloroethane	200	200	200	9100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300									
1,1,2-Trichlorotrifluoroethane	63000	170000		59000		1 U	1 U	1 U					
1,1-Dichloroethane	31	160		2.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	15	62		15									
1,2-Dibromoethane	0.05	0.05	0.05	0.0065									1 U
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330	1 U	1 U	1 U	1 U					
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	13	53		370									
1,3-Dichlorobenzene	600	600											
1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,4-Dioxane	6.4	32		0.67									200 U
2-Butanone	4000	4000		7100									10 U
2-Chloroethyl Vinyl Ether					10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
2-Hexanone	11	44		47									10 U
4-Methyl-2-Pentanone	2900	8200		2000									10 U
Acetone	33000	92000		22000									10 U
Acrolein	0.042	0.18		0.042									
Acrylonitrile	0.72	3.7		0.045									20 U
Benzene	5	5	5	0.41	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U
Bromochloromethane	90	90											1 U
Bromodichloromethane	80	80		0.12	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U
Bromoform	80	80		8.5	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U
Bromomethane	10	10		8.7	2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U
Carbon Disulfide	1500	6200		1000									1 U
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	91	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U
Chloroethane	230	900		21000	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	80	80		0.19	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1	0.57 J
Chloromethane	30	30		190	2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U
cis-1,2-Dichloroethene	70	70	70	73									1 U
cis-1,3-Dichloropropene	6.6	26		0.43									1 U
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	840	3500		680									
Methyl tert-butyl ether	20	20		12									1 U
Methylene chloride	5	5		4.8	2 U	5 U	2 U	2 U	2 U	2 U	2	2 U	1 U
Naphthalene	100	100		0.14									

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 2.4-3
Groundwater Data Summary - VOC 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) 7/15/1994	HERMAN (S-7) 11/14/1994	HERMAN (S-7) 3/9/1995	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
Styrene	100	100	100	1600									1 U
Tetrachloroethene	5	5	5	0.11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	1000	1000	1000	2300	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U
trans-1,2-Dichloroethene	100	100	100	110					1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.43									1 U
Trichloroethene	5	5	5	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Acetate	420	1800		410									
Vinyl Chloride	2	2	2	0.016	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes (Total)	10000	10000	10000	200									3 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 2.4-3
Groundwater Data Summary - VOC 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-1 5/15/1987	S-2 5/15/1987	S-3 6/8/1998	S-3 3/22/2000	S-4 5/15/1987	S-4 6/8/1998	S-4 3/22/2000	S-8 3/6/1990	S-8 6/6/1990	S-8 9/5/1991	S-8 3/11/1992	S-8 9/30/1992	S-8 12/18/1992
TOTAL VOC																	
				0	629	69	0	59	10	17.2	4	6	0	0	0	0	0
Volatile Organic Compound																	
1,1,1,2-Tetrachloroethane	70	70		0.52										U	U	U	U
1,1,1-Trichloroethane	200	200	200	9100	5	8	0 U	0 U		0 U	0 U	4	3	U	U	U	U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067													
1,1,2-Trichloroethane	5	5	5	0.24			0 U	0 U		0 U	0 U			U	U	U	U
1,1,2-Trichlorofluoromethane	2000	2000		1300													
1,1,2-Trichlorotrifluoroethane	63000	170000		59000													
1,1-Dichloroethane	31	160		2.4			0 U	0 U		0 U	0 U		1	U	U	U	U
1,1-Dichloroethene	7	7	7	340		1	0 U	0 U		0 U	0 U			U	U	U	U
1,2,4-Trimethylbenzene	15	62		15													
1,2-Dibromoethane	0.05	0.05	0.05	0.0065													
1,2-Dichloroethane	5	5	5	0.15			0 U	0 U		0 U	0 U			U	U	U	U
1,2-Dichloroethene	70	70	70	330										U	U	U	U
1,2-Dichloropropane	5	5	5	0.39										U	U	U	U
1,3,5-Trimethylbenzene	13	53		370													
1,3-Dichlorobenzene	600	600															
1,3-Dichloropropene	6.6	26		0.43										U	U	U	U
1,4-Dioxane	6.4	32		0.67			0 U	0 U		0 U	0 U						
2-Butanone	4000	4000		7100			0 U	0 U		0 U	0 U						
2-Chloroethyl Vinyl Ether														U	U	U	U
2-Hexanone	11	44		47													
4-Methyl-2-Pentanone	2900	8200		2000													
Acetone	33000	92000		22000			0 U	0 U		0 U	0 U						
Acrolein	0.042	0.18		0.042													
Acrylonitrile	0.72	3.7		0.045													
Benzene	5	5	5	0.41			0 U	0 U		0 U	0 U			U	U	U	U
Bromochloromethane	90	90															
Bromodichloromethane	80	80		0.12										U	U	U	U
Bromoform	80	80		8.5										U	U	U	U
Bromomethane	10	10		8.7										U	U	U	U
Carbon Disulfide	1500	6200		1000			0 U	0 U		0 U	0 U						
Carbon Tetrachloride	5	5	5	0.44			0 U	0 U		0 U	0 U			U	U	U	U
Chlorobenzene	100	100	100	91										U	U	U	U
Chlorodibromomethane	80	80		0.15										U	U	U	U
Chloroethane	230	900		21000										U	U	U	U
Chloroform	80	80		0.19			0 U	0 U		0 U	0 U			U	U	U	U
Chloromethane	30	30		190													
cis-1,2-Dichloroethene	70	70	70	73		23	0 U	0 U		0 U	0 U						
cis-1,3-Dichloropropene	6.6	26		0.43													
Ethylbenzene	700	700	700	1.5			0 U	0 U		0 U	0 U			U	U	U	U
Isopropylbenzene	840	3500		680													
Methyl tert-butyl ether	20	20		12													
Methylene chloride	5	5		4.8		3	0 U	0 U		0 U	0 U			U	U	U	U
Naphthalene	100	100		0.14													

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 2.4-3
Groundwater Data Summary - VOC 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-1 5/15/1987	S-2 5/15/1987	S-3 6/8/1998	S-3 3/22/2000	S-4 5/15/1987	S-4 6/8/1998	S-4 3/22/2000	S-8 3/6/1990	S-8 6/6/1990	S-8 9/5/1991	S-8 3/11/1992	S-8 9/30/1992	S-8 12/18/1992
Styrene	100	100	100	1600													
Tetrachloroethene	5	5	5	0.11	12	23	0 U	0 U	4	10	11		2	U	U	U	U
Toluene	1000	1000	1000	2300			0 U	0 U		0 U	0 U			U	U	U	U
trans-1,2-Dichloroethene	100	100	100	110	13												
trans-1,3-Dichloropropene	6.6	26		0.43													
Trichloroethene	5	5	5	2	338	571	69	0 U	55		6.2			U	U	U	U
Vinyl Acetate	420	1800		410													
Vinyl Chloride	2	2	2	0.016			0 U	0 U		0 U	0 U			U	U	U	U
Xylenes (Total)	10000	10000	10000	200			0 U	0 U		0 U	0 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 2.4-3
Groundwater Data Summary - VOC 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 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	Spring at Bldg 14 S1 9/5/2008	Spring at Bldg 14 S1 6/25/2010	Spring at Bldg 14 S2 4/30/2008
TOTAL VOC												
				0	36	65.8	193	0	0.87	0.3	41.51	13.87
Volatile Organic Compound												
1,1,1,2-Tetrachloroethane	70	70		0.52	U				1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	200	200	200	9100	U	24	34	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067				1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	U	0 U	0 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300								
1,1,2-Trichlorotrifluoroethane	63000	170000		59000								
1,1-Dichloroethane	31	160		2.4	U	0 U	0 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	U	0 U	12	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	15	62		15								
1,2-Dibromoethane	0.05	0.05	0.05	0.0065					1 U	1 U	1 U	1 U
1,2-Dichloroethane	5	5	5	0.15	U	0 U	0 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330	U							
1,2-Dichloropropane	5	5	5	0.39	U			1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	13	53		370								
1,3-Dichlorobenzene	600	600										
1,3-Dichloropropene	6.6	26		0.43	U							
1,4-Dioxane	6.4	32		0.67		0 U	0 U		200 U	200 U	200 U	200 U
2-Butanone	4000	4000		7100		0 U	0 U	10 U	10 U	10 U	10 U	10 U
2-Chloroethyl Vinyl Ether					U			10 U				
2-Hexanone	11	44		47				10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	2900	8200		2000				10 U	10 U	10 U	10 U	10 U
Acetone	33000	92000		22000		0 U	0 U	10 U	10 U	10 U	10 U	10 U
Acrolein	0.042	0.18		0.042								
Acrylonitrile	0.72	3.7		0.045					20 U	20 U	20 U	20 U
Benzene	5	5	5	0.41	U	0 U	0 U	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	90	90							1 U	1 U	1 U	1 U
Bromodichloromethane	80	80		0.12	U			1 U	1 U	1 U	1 U	1 U
Bromoform	80	80		8.5	U			1 U	1 U	1 U	1 U	1 U
Bromomethane	10	10		8.7	U			2 U	1 U	1 U	1 U	1 U
Carbon Disulfide	1500	6200		1000		0 U	0 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	5	5	0.44	U	0 U	0 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	91	U			1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	U				1 U	1 U	1 U	1 U
Chloroethane	230	900		21000	U			2 U	1 U	1 U	1 U	1 U
Chloroform	80	80		0.19	U	0 U	0 U	1 U	1 U	1 U	1 U	0.81 J
Chloromethane	30	30		190				2 U	1 U	1 U	0.3 J	1 U
cis-1,2-Dichloroethene	70	70	70	73		0 U	0 U	7	1 U	1 U	1 U	1.4
cis-1,3-Dichloropropene	6.6	26		0.43				1 U	1 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	U	0 U	0 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	840	3500		680								
Methyl tert-butyl ether	20	20		12					1 U	1 U	1 U	0.2 J
Methylene chloride	5	5		4.8	U	0 U	0 U	2 U	1 U	1 U	1 U	1 U
Naphthalene	100	100		0.14								

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 2.4-3
Groundwater Data Summary - VOC 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 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	Spring at Bldg 14 S1 9/5/2008	Spring at Bldg 14 S1 6/25/2010	Spring at Bldg 14 S2 4/30/2008
Styrene	100	100	100	1600				1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	5	5	0.11	U	0 U	3.8	6	1 U	0.1 J	1 U	3.1
Toluene	1000	1000	1000	2300	U	0 U	0 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	100	100	100	110				1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.43				1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	5	5	2	U	12	16	180	1 U	0.77 J	1 U	36
Vinyl Acetate	420	1800		410				10 U				
Vinyl Chloride	2	2	2	0.016	U	0 U	0 U	2 U	1 U	1 U	1 U	1 U
Xylenes (Total)	10000	10000	10000	200		0 U	0 U	5 U	3 U	3 U	3 U	3 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 2.4-3
Groundwater Data Summary - VOC 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 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	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
TOTAL VOC															
				0	39.76	0	0	0	0	0	0	0	0	0	0
Volatile Organic Compound															
1,1,1,2-Tetrachloroethane	70	70		0.52	1 U	1 U	U	U	U	U	U	U	U	U	U
1,1,1-Trichloroethane	200	200	200	9100	1 U	1 U	U	U	U	U	U	U	U	U	U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U									
1,1,2-Trichloroethane	5	5	5	0.24	1 U	1 U	U	U	U	U	U	U	U	U	U
1,1,2-Trichlorofluoromethane	2000	2000		1300											
1,1,2-Trichlorotrifluoroethane	63000	170000		59000											
1,1-Dichloroethane	31	160		2.4	1 U	1 U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethene	7	7	7	340	1 U	1 U	U	U	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	15	62		15											
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	1 U	1 U									
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	U	U	U	U	U	U	U	U	U
1,2-Dichloroethene	70	70	70	330			U	U	U	U	U	U	U	U	U
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	U	U	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	13	53		370											
1,3-Dichlorobenzene	600	600													
1,3-Dichloropropene	6.6	26		0.43			U	U	U	U	U	U	U	U	U
1,4-Dioxane	6.4	32		0.67	200 U	200 U									
2-Butanone	4000	4000		7100	10 U	10 U									
2-Chloroethyl Vinyl Ether							U	U	U	U	U	U	U	U	U
2-Hexanone	11	44		47	10 U	10 U									
4-Methyl-2-Pentanone	2900	8200		2000	10 U	10 U									
Acetone	33000	92000		22000	10 U	10 U									
Acrolein	0.042	0.18		0.042											
Acrylonitrile	0.72	3.7		0.045	20 U	20 U									
Benzene	5	5	5	0.41	1 U	1 U	U	U	U	U	U	U	U	U	U
Bromochloromethane	90	90			1 U	1 U									
Bromodichloromethane	80	80		0.12	1 U	1 U	U	U	U	U	U	U	U	U	U
Bromoform	80	80		8.5	1 U	1 U	U	U	U	U	U	U	U	U	U
Bromomethane	10	10		8.7	1 U	1 U	U	U	U	U	U	U	U	U	U
Carbon Disulfide	1500	6200		1000	1 U	1 U									
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	U	U	U	U	U	U	U	U	U
Chlorobenzene	100	100	100	91	1 U	1 U	U	U	U	U	U	U	U	U	U
Chlorodibromomethane	80	80		0.15	1 U	1 U	U	U	U	U	U	U	U	U	U
Chloroethane	230	900		21000	1 U	1 U	U	U	U	U	U	U	U	U	U
Chloroform	80	80		0.19	0.28 J	0.92 J	U	U	U	U	U	U	U	U	U
Chloromethane	30	30		190	1 U	1 U									
cis-1,2-Dichloroethene	70	70	70	73	0.32 J	0.88 J									
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U									
Ethylbenzene	700	700	700	1.5	1 U	1 U	U	U	U	U	U	U	U	U	U
Isopropylbenzene	840	3500		680											
Methyl tert-butyl ether	20	20		12	1 U	0.19 J									
Methylene chloride	5	5		4.8	1 U	1 U	U	U	U	U	U	U	U	U	U
Naphthalene	100	100		0.14											

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 2.4-3
Groundwater Data Summary - VOC 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 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	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
Styrene	100	100	100	1600	1 U	1 U									
Tetrachloroethene	5	5	5	0.11	0.27 J	0.77 J	U	U	U	U	U	U	U	U	U
Toluene	1000	1000	1000	2300	1 U	1 U	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	100	100	100	110	1 U	1 U									
trans-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U									
Trichloroethene	5	5	5	2	13	37	U	U	U	U	U	U	U	U	U
Vinyl Acetate	420	1800		410											
Vinyl Chloride	2	2	2	0.016	1 U	1 U	U	U	U	U	U	U	U	U	U
Xylenes (Total)	10000	10000	10000	200	3 U	3 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 2.4-3
Groundwater Data Summary - VOC 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) 4/5/1994	TATE (S-6) 7/15/1994	TATE (S-6) 11/14/1994	TATE (S-6) 6/7/1995	TATE (S-6) 9/7/1995	TATE (S-6) 12/7/1995	TATE (S-6) 3/7/1996	TATE (S-6) 6/6/1996	TATE (S-6) 6/6/1996	TATE (S-6) 9/4/1996	TATE (S-6) 12/3/1996	TATE (S-6) 3/6/1997
TOTAL VOC																
				0	0	0	0	2	1	2	1	1	2	2	3	4
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52	U		U									
1,1,1-Trichloroethane	200	200	200	9100	U	1 U	1 U	1 U						1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067		1 U	1 U	1 U						1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	U	1 U	1 U	1 U						1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1,2-Trichlorotrifluoroethane	63000	170000		59000			1 U	1 U								
1,1-Dichloroethane	31	160		2.4	U	1 U	1 U	1 U						1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	U	1 U	1 U	1 U						1 U	1 U	1 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0065												
1,2-Dichloroethane	5	5	5	0.15	U	1 U	1 U	1 U						1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330	U	1 U	1 U	1 U								
1,2-Dichloropropane	5	5	5	0.39	U	1 U	1 U	1 U						1 U	1 U	1 U
1,3,5-Trimethylbenzene	13	53		370												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.43	U	1 U	1 U	1 U						1 U	1 U	1 U
1,4-Dioxane	6.4	32		0.67												
2-Butanone	4000	4000		7100												
2-Chloroethyl Vinyl Ether					U	10 U	10 U	10 U						10 U	10 U	10 U
2-Hexanone	11	44		47												
4-Methyl-2-Pentanone	2900	8200		2000												
Acetone	33000	92000		22000												
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.045												
Benzene	5	5	5	0.41	U	1 U	2 U	2 U						2 U	2 U	2 U
Bromochloromethane	90	90														
Bromodichloromethane	80	80		0.12	U	1 U	2 U	2 U						2 U	2 U	2 U
Bromoform	80	80		8.5	U	1 U	2 U	2 U						2 U	2 U	2 U
Bromomethane	10	10		8.7	U	2 U	5 U	5 U						5 U	5 U	5 U
Carbon Disulfide	1500	6200		1000												
Carbon Tetrachloride	5	5	5	0.44	U	1 U	1 U	1 U						1 U	1 U	1 U
Chlorobenzene	100	100	100	91	U	1 U	1 U	1 U						1 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	U	1 U	2 U	2 U						2 U	2 U	2 U
Chloroethane	230	900		21000	U	2 U	1 U	1 U						1 U	1 U	1 U
Chloroform	80	80		0.19	U	1 U	1 U	1 U	2 B	1 B	2	1	1	2	2 B	3
Chloromethane	30	30		190		2 U	5 U	5 U						5 U	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	73												
cis-1,3-Dichloropropene	6.6	26		0.43												
Ethylbenzene	700	700	700	1.5	U	1 U	1 U	1 U						1 U	1 U	1 U
Isopropylbenzene	840	3500		680												
Methyl tert-butyl ether	20	20		12												
Methylene chloride	5	5		4.8	U	2 U	2 U	2 U						2 U	2 U	2 U
Naphthalene	100	100		0.14												

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 2.4-3
Groundwater Data Summary - VOC 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) 4/5/1994	TATE (S-6) 7/15/1994	TATE (S-6) 11/14/1994	TATE (S-6) 6/7/1995	TATE (S-6) 9/7/1995	TATE (S-6) 12/7/1995	TATE (S-6) 3/7/1996	TATE (S-6) 6/6/1996	TATE (S-6) 6/6/1996	TATE (S-6) 9/4/1996	TATE (S-6) 12/3/1996	TATE (S-6) 3/6/1997
Styrene	100	100	100	1600												
Tetrachloroethene	5	5	5	0.11	U	1 U	1 U	1 U						1 U	1 U	1 U
Toluene	1000	1000	1000	2300	U	1 U	2 U	2 U						2 U	2 U	2 U
trans-1,2-Dichloroethene	100	100	100	110										1 U	1 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.43												
Trichloroethene	5	5	5	2	U	1 U	1 U	1 U						1 U	1 U	1 U
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	U	2 U	1 U	1 U						1 U	1 U	1 U
Xylenes (Total)	10000	10000	10000	200												

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 2.4-3
Groundwater Data Summary - VOC 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) 6/4/1997	TATE (S-6) 2/27/2004	TATE (S-6) 5/28/2004	TATE (S-6) 8/27/2004	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	TATE (S-6) 2/16/2006	TATE (S-6) 5/19/2006	TATE (S-6) 8/9/2006
TOTAL VOC																
				0	2.7	2.2	1.6	1.8	1.8	2.1	2.3	1.6	1.5	4.36	1.9	0.55
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52												
1,1,1-Trichloroethane	200	200	200	9100	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300												
1,1,2-Trichlorotrifluoroethane	63000	170000		59000												
1,1-Dichloroethane	31	160		2.4	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0065												
1,2-Dichloroethane	5	5	5	0.15	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330												
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	13	53		370												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.43	1 U											
1,4-Dioxane	6.4	32		0.67			1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	200 U	200 U	200 U	200 U
2-Butanone	4000	4000		7100		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
2-Chloroethyl Vinyl Ether					10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 U	2 U	2 U	10 U
2-Hexanone	11	44		47												
4-Methyl-2-Pentanone	2900	8200		2000												
Acetone	33000	92000		22000												
Acrolein	0.042	0.18		0.042		100 U	100 U	100 U	100 U	100 U	100 U	100 U	20 U	20 U	20 U	20 U
Acrylonitrile	0.72	3.7		0.045		50 U	50 U	50 U	50 U	50 U	50 U	50 U	20 U	20 U	20 U	20 U
Benzene	5	5	5	0.41	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U
Bromochloromethane	90	90														
Bromodichloromethane	80	80		0.12	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	80	80		8.5	2 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	1 U	1 U	1 U	1 U
Bromomethane	10	10		8.7	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U
Carbon Disulfide	1500	6200		1000												
Carbon Tetrachloride	5	5	5	0.44	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	91	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U
Chloroethane	230	900		21000	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U
Chloroform	80	80		0.19	4	2.7 J	2.2 J	1.6 J	1.8 J	1.8 J	2.1 J	2.3 J	1.6	1.5	1.4	1.9
Chloromethane	30	30		190	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	70	70	70	73		5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	6.6	26		0.43		5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	1 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	1 U	1 U	0.54 J	1 U
Isopropylbenzene	840	3500		680												
Methyl tert-butyl ether	20	20		12												
Methylene chloride	5	5		4.8	2 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	1 U	1 U	0.49 JB	1 U
Naphthalene	100	100		0.14												

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 2.4-3
Groundwater Data Summary - VOC 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) 6/4/1997	TATE (S-6) 2/27/2004	TATE (S-6) 5/28/2004	TATE (S-6) 8/27/2004	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	TATE (S-6) 2/16/2006	TATE (S-6) 5/19/2006	TATE (S-6) 8/9/2006
Styrene	100	100	100	1600												
Tetrachloroethene	5	5	5	0.11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	1000	1000	1000	2300	2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	0.23 J	1 U
trans-1,2-Dichloroethene	100	100	100	110	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.43		5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U
Trichloroethene	5	5	5	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.4 J	1 U
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.016	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U
Xylenes (Total)	10000	10000	10000	200												

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 2.4-3
Groundwater Data Summary - VOC 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) 11/4/2006	TATE (S-6) 2/13/2007	TATE (S-6) 5/10/2007	TATE (S-6) 5/14/2008	TATE (S-6) 6/26/2009	TATE (S-6) 6/25/2010	B41S-SW-009 2/8/2008	MC-1 10/27/1995	MC-1 Dup 10/27/1995	MC-5 10/27/1995	MC-5 10/27/1995
TOTAL VOC															
				0	0.86	1.5	0.83	0.91	0.82	206.17	0	26685	0	0	506.1
Volatile Organic Compound															
1,1,1,2-Tetrachloroethane	70	70		0.52				1 U	1 U	1 U	5 U				
1,1,1-Trichloroethane	200	200	200	9100	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1600	1 U	0 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	5000 U	1 U	
1,1,2-Trichloroethane	5	5	5	0.24	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	50 U	1 U	
1,1,2-Trichlorofluoromethane	2000	2000		1300											
1,1,2-Trichlorotrifluoroethane	63000	170000		59000								1 U	20 U	1 U	
1,1-Dichloroethane	31	160		2.4	1 U	1 U	1 U	1 U	1 U	1 U	1.2 J	1 U	35	1 U	
1,1-Dichloroethene	7	7	7	340	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	190	1 U	0 U
1,2,4-Trimethylbenzene	15	62		15											
1,2-Dibromoethane	0.05	0.05	0.05	0.0065				1 U	1 U	1 U	5 U				
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	20 U	1 U	
1,2-Dichloroethene	70	70	70	330								1 U	260	1 U	
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	20 U	1 U	
1,3,5-Trimethylbenzene	13	53		370											
1,3-Dichlorobenzene	600	600													
1,3-Dichloropropene	6.6	26		0.43								1 U	20 U	1 U	
1,4-Dioxane	6.4	32		0.67	200 U	200 U	200 U	200 U	200 U	200 U	1000 U				
2-Butanone	4000	4000		7100	5 U	5 U	5 U	10 U	10 U	10 U	13 J				
2-Chloroethyl Vinyl Ether					2 U	2 U	2 U					10 U	200 U	10 U	
2-Hexanone	11	44		47				10 U	10 U	10 U	50 U				
4-Methyl-2-Pentanone	2900	8200		2000				10 U	10 U	10 U	50 U				
Acetone	33000	92000		22000				10 U	10 U	10 U	120				
Acrolein	0.042	0.18		0.042	20 U	20 U	20 U								
Acrylonitrile	0.72	3.7		0.045	20 U	20 U	20 U	20 U	20 U	20 U	100 U				
Benzene	5	5	5	0.41	1 U	1 U	1 U	1 U	1 U	1 U	5 U	2 U	100 U	2 U	
Bromochloromethane	90	90						1 U	1 U	1 U	5 U				
Bromodichloromethane	80	80		0.12	1 U	1 U	1 U	1 U	1 U	1 U	5 U	2 U	100 U	2 U	
Bromoform	80	80		8.5	1 U	1 U	1 U	1 U	1 U	1 U	5 U	2 U	40 U	2 U	
Bromomethane	10	10		8.7	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	100 U	5 U	
Carbon Disulfide	1500	6200		1000				1 U	1 U	1 U	31				
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	200 U	1 U	
Chlorobenzene	100	100	100	91	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	20 U	1 U	
Chlorodibromomethane	80	80		0.15	1 U	1 U	1 U	1 U	1 U	1 U	5 U	2 U	100 U	2 U	
Chloroethane	230	900		21000	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	20 U	1 U	
Chloroform	80	80		0.19	0.55 J	0.86 J	1.5	0.83 J	0.91 J	0.82 J	5 U	1 U	20 U	1 U	
Chloromethane	30	30		190	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	100 U	5 U	
cis-1,2-Dichloroethene	70	70	70	73	1 U	1 U	1 U	1 U	1 U	1 U	8.4				0 U
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	1 U	1 U	1 U	5 U				
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	1 U	1 U	1 U	11	1 U	20 U	1 U	
Isopropylbenzene	840	3500		680											
Methyl tert-butyl ether	20	20		12				1 U	1 U	1 U	5 U				
Methylene chloride	5	5		4.8	1 U	1 U	1 U	1 U	1 U	1 U	1.4 J	2 U	40 U	2 U	
Naphthalene	100	100		0.14											

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 2.4-3
Groundwater Data Summary - VOC 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) 11/4/2006	TATE (S-6) 2/13/2007	TATE (S-6) 5/10/2007	TATE (S-6) 5/14/2008	TATE (S-6) 6/26/2009	TATE (S-6) 6/25/2010	B41S-SW-009 2/8/2008	MC-1 10/27/1995	MC-1 Dup 10/27/1995	MC-5 10/27/1995	MC-5 10/27/1995
Styrene	100	100	100	1600				1 U	1 U	1 U	5 U				
Tetrachloroethene	5	5	5	0.11	1 U	1 U	1 U	1 U	1 U	1 U	0.47 J	1 U	19000	1 U	0 U
Toluene	1000	1000	1000	2300	1 U	1 U	1 U	1 U	1 U	1 U	5 U	2 U	40 U	2 U	
trans-1,2-Dichloroethene	100	100	100	110	1 U	1 U	1 U	1 U	1 U	1 U	2.2 J				
trans-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	1 U	1 U	1 U	5 U				
Trichloroethene	5	5	5	2	1 U	1 U	1 U	1 U	1 U	1 U	1.1 J	1 U	5600	1 U	0 U
Vinyl Acetate	420	1800		410											
Vinyl Chloride	2	2	2	0.016	1 U	1 U	1 U	1 U	1 U	1 U	15	1 U	20 U	1 U	0 U
Xylenes (Total)	10000	10000	10000	200				3 U	3 U	3 U	1.4 J				0 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 2.4-3
Groundwater Data Summary - VOC 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)	NPA-SW-001 7/13/2010	PSWS-1 6/8/1998	PSWS-1 3/22/2000	PSWS-2 6/8/1998	PSWS-2 3/22/2000	SW-01 6/28/1990	SW-01 9/25/1990	SW-02 6/28/1990	SW-02 9/25/1990	SW-03 6/28/1990	SW-03 9/25/1990	SW-04 6/28/1990	SW-04 9/25/1990
TOTAL VOC																	
				0	80	6.5	9.7	46.9	28	32	0	0	20	12	21	14	3
Volatile Organic Compound																	
1,1,1,2-Tetrachloroethane	70	70		0.52													
1,1,1-Trichloroethane	200	200	200	9100		0 U	0 U	0 U	0 U	1 U	2	1 U	1 U	1	1 U	2	1
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067						1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24		0 U	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300													
1,1,2-Trichlorotrifluoroethane	63000	170000		59000						3	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	31	160		2.4		0 U	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340		0 U	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	15	62		15	5.7 J												
1,2-Dibromoethane	0.05	0.05	0.05	0.0065													
1,2-Dichloroethane	5	5	5	0.15		0 U	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330													
1,2-Dichloropropane	5	5	5	0.39						1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	13	53		370	9.4 J												
1,3-Dichlorobenzene	600	600															
1,3-Dichloropropene	6.6	26		0.43						1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dioxane	6.4	32		0.67			0 U		0 U								
2-Butanone	4000	4000		7100		0 U	0 U	0 U	0 U								
2-Chloroethyl Vinyl Ether										10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	11	44		47													
4-Methyl-2-Pentanone	2900	8200		2000													
Acetone	33000	92000		22000		0 U	0 U	0 U	0 U								
Acrolein	0.042	0.18		0.042													
Acrylonitrile	0.72	3.7		0.045													
Benzene	5	5	5	0.41	79	0 U	0 U	0 U	0 U	2 U	2	2 U	2 U	2 U	2 U	2 U	2 U
Bromochloromethane	90	90															
Bromodichloromethane	80	80		0.12						3	2	2 U	2 U	2 U	2 U	2 U	2 U
Bromoform	80	80		8.5						2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bromomethane	10	10		8.7						5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Disulfide	1500	6200		1000		0 U	0 U	0 U	0 U								
Carbon Tetrachloride	5	5	5	0.44		0 U	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	91						1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.15						2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Chloroethane	230	900		21000						1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	80	80		0.19		0 U	0 U	0 U	0 U	18	26	1 U	1 U	2	3	1	2
Chloromethane	30	30		190						5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	73		4	0 U	0.7 J	4.8								
cis-1,3-Dichloropropene	6.6	26		0.43													
Ethylbenzene	700	700	700	1.5	12	0 U	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	840	3500		680	12 U												
Methyl tert-butyl ether	20	20		12	12 U												
Methylene chloride	5	5		4.8		0 U	0 U	0 U	0 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Naphthalene	100	100		0.14	12 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 2.4-3
Groundwater Data Summary - VOC 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)	NPA-SW-001 7/13/2010	PSWS-1 6/8/1998	PSWS-1 3/22/2000	PSWS-2 6/8/1998	PSWS-2 3/22/2000	SW-01 6/28/1990	SW-01 9/25/1990	SW-02 6/28/1990	SW-02 9/25/1990	SW-03 6/28/1990	SW-03 9/25/1990	SW-04 6/28/1990	SW-04 9/25/1990
Styrene	100	100	100	1600													
Tetrachloroethene	5	5	5	0.11		0 U	0 U	0 U	3.1	1 U	1 U	1 U	1 U	2	3	3	2
Toluene	1000	1000	1000	2300	290	0 U	0 U	0 U	0 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
trans-1,2-Dichloroethene	100	100	100	110						2	1 U	1 U	1 U	3	2	3	2
trans-1,3-Dichloropropene	6.6	26		0.43													
Trichloroethene	5	5	5	2		76	6.5	9	39	2	1 U	1 U	1 U	12	4	12	7
Vinyl Acetate	420	1800		410													
Vinyl Chloride	2	2	2	0.016		0 U	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes (Total)	10000	10000	10000	200	110	0 U	0 U	0 U	0 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 2.4-3
Groundwater Data Summary - VOC 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)	SW-05 6/28/1990	SW-05 9/25/1990	SW-06 6/28/1990	SW-06 9/25/1990	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
TOTAL VOC															
				0	6	3	5	7.6	0	0	1.4	0	0	0.17	0
Volatile Organic Compound															
1,1,1,2-Tetrachloroethane	70	70		0.52											1 U
1,1,1-Trichloroethane	200	200	200	9100	1 U	1 U	1 U	1 U	0 U	0 U	0 U	0 U	0 U	0 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	1 U	1 U							1 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	1 U	1 U	1 U	0 U	0 U	0 U	0 U	0 U	0 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300											
1,1,2-Trichlorotrifluoroethane	63000	170000		59000	1 U	1 U	1 U	1 U							
1,1-Dichloroethane	31	160		2.4	1 U	1 U	1 U	1 U	0 U	0 U	0 U	0 U	0 U	0 U	1 U
1,1-Dichloroethene	7	7	7	340	1 U	1 U	1 U	1 U	0 U	0 U	0 U	0 U	0 U	0 U	1 U
1,2,4-Trimethylbenzene	15	62		15											
1,2-Dibromoethane	0.05	0.05	0.05	0.0065											1 U
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	1 U	1 U	0 U	0 U	0 U	0 U	0 U	0 U	1 U
1,2-Dichloroethene	70	70	70	330											
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U							1 U
1,3,5-Trimethylbenzene	13	53		370											
1,3-Dichlorobenzene	600	600													
1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	1 U							
1,4-Dioxane	6.4	32		0.67					0 U	0 U	0 U	0 U	0 U	0 U	200 U
2-Butanone	4000	4000		7100					0 U	0 U	0 U	0 U	0 U	0 U	10 U
2-Chloroethyl Vinyl Ether					10 U	10 U	10 U	10 U							
2-Hexanone	11	44		47											10 U
4-Methyl-2-Pentanone	2900	8200		2000											10 U
Acetone	33000	92000		22000					0 U	0 U	0 U	0 U	0 U	0 U	10 U
Acrolein	0.042	0.18		0.042											
Acrylonitrile	0.72	3.7		0.045											20 U
Benzene	5	5	5	0.41	2 U	2 U	2 U	2 U	0 U	0 U	0 U	0 U	0 U	0 U	1 U
Bromochloromethane	90	90													1 U
Bromodichloromethane	80	80		0.12	2 U	2 U	2 U	2 U							1 U
Bromoform	80	80		8.5	2 U	2 U	2 U	2 U							1 U
Bromomethane	10	10		8.7	5 U	5 U	5 U	5 U							1 U
Carbon Disulfide	1500	6200		1000					0 U	0 U	0 U	0 U	0 U	0 U	1 U
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	1 U	1 U	0 U	0 U	0 U	0 U	0 U	0 U	1 U
Chlorobenzene	100	100	100	91	1 U	1 U	1 U	1 U							1 U
Chlorodibromomethane	80	80		0.15	2 U	2 U	2 U	2 U							1 U
Chloroethane	230	900		21000	1 U	1 U	1 U	1 U							1 U
Chloroform	80	80		0.19	2	4	1	3	0 U	0 U	0 U	0 U	0 U	0 U	0.17 J
Chloromethane	30	30		190	5 U	5 U	5 U	5 U							1 U
cis-1,2-Dichloroethene	70	70	70	73					0 U	0 U	0 U	0 U	0 U	0 U	1 U
cis-1,3-Dichloropropene	6.6	26		0.43											1 U
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	1 U	0 U	0 U	0 U	0 U	0 U	0 U	1 U
Isopropylbenzene	840	3500		680											
Methyl tert-butyl ether	20	20		12											1 U
Methylene chloride	5	5		4.8	2 U	2 U	2 U	2 U	0 U	0 U	0 U	0 U	0 U	0 U	1 U
Naphthalene	100	100		0.14											

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 2.4-3
Groundwater Data Summary - VOC 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)	SW-05 6/28/1990	SW-05 9/25/1990	SW-06 6/28/1990	SW-06 9/25/1990	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
Styrene	100	100	100	1600											1 U
Tetrachloroethene	5	5	5	0.11	1 U	1 U	1 U	1 U	0.6 J	0 U	0 U	0 U	0 U	0 U	1 U
Toluene	1000	1000	1000	2300	2 U	2 U	2 U	2 U	0 U	0 U	0 U	0 U	0 U	0 U	1 U
trans-1,2-Dichloroethene	100	100	100	110	1 U	1 U	1 U	1 U							1 U
trans-1,3-Dichloropropene	6.6	26		0.43											1 U
Trichloroethene	5	5	5	2	1	2	2	2	7 J	0 U	0 U	1.4	0 U	0 U	1 U
Vinyl Acetate	420	1800		410											
Vinyl Chloride	2	2	2	0.016	1 U	1 U	1 U	1 U	0 U	0 U	0 U	0 U	0 U	0 U	1 U
Xylenes (Total)	10000	10000	10000	200					0 U	0 U	0 U	0 U	0 U	0 U	3 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 2.4-3
Groundwater Data Summary - VOC 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-001 Dup 8/27/2007	WWPL-SW-002 8/27/2007	WWPL-SW-003 8/27/2007	WWPL-SW-004 8/28/2007
TOTAL VOC								
				0	0	1.81	0.5	
Volatile Organic Compound								
1,1,1,2-Tetrachloroethane	70	70		0.52	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	200	200	200	9100	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300				
1,1,2-Trichlorotrifluoroethane	63000	170000		59000				
1,1-Dichloroethane	31	160		2.4	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	15	62		15				
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	1 U	1 U	1 U	1 U
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330				
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	13	53		370				
1,3-Dichlorobenzene	600	600						
1,3-Dichloropropene	6.6	26		0.43				
1,4-Dioxane	6.4	32		0.67	200 U	200 U	200 U	200 U
2-Butanone	4000	4000		7100	10 U	10 U	10 U	10 U
2-Chloroethyl Vinyl Ether								
2-Hexanone	11	44		47	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	2900	8200		2000	10 U	10 U	10 U	10 U
Acetone	33000	92000		22000	10 U	10 U	10 U	10 U
Acrolein	0.042	0.18		0.042				
Acrylonitrile	0.72	3.7		0.045	20 U	20 U	20 U	20 U
Benzene	5	5	5	0.41	1 U	1 U	1 U	1 U
Bromochloromethane	90	90			1 U	1 U	1 U	1 U
Bromodichloromethane	80	80		0.12	1 U	1 U	0.41 J	1 U
Bromoform	80	80		8.5	1 U	1 U	1 U	1 U
Bromomethane	10	10		8.7	1 U	1 U	1 U	1 U
Carbon Disulfide	1500	6200		1000	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	91	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	1 U	1 U	1 U	1 U
Chloroethane	230	900		21000	1 U	1 U	1 U	1 U
Chloroform	80	80		0.19	1 U	1 U	1.4	0.5 J
Chloromethane	30	30		190	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	70	70	70	73	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	1 U
Isopropylbenzene	840	3500		680				
Methyl tert-butyl ether	20	20		12	1 U	1 U	1 U	1 U
Methylene chloride	5	5		4.8	1 U	1 U	1 U	1 U
Naphthalene	100	100		0.14				

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 2.4-3
Groundwater Data Summary - VOC 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-001 Dup 8/27/2007	WWPL-SW-002 8/27/2007	WWPL-SW-003 8/27/2007	WWPL-SW-004 8/28/2007
Styrene	100	100	100	1600	1 U	1 U	1 U	1 U
Tetrachloroethene	5	5	5	0.11	1 U	1 U	1 U	1 U
Toluene	1000	1000	1000	2300	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	100	100	100	110	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	1 U
Trichloroethene	5	5	5	2	1 U	1 U	1 U	1 U
Vinyl Acetate	420	1800		410				
Vinyl Chloride	2	2	2	0.016	1 U	1 U	1 U	1 U
Xylenes (Total)	10000	10000	10000	200	3 U	3 U	3 U	3 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 2.4-3
Groundwater Data Summary - VOC 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-005 8/27/2007	TWB-6 7/13/1995
TOTAL VOC						
				1.33	235037	
Volatile Organic Compound						
1,1,1,2-Tetrachloroethane	70	70		0.52	1 U	
1,1,1-Trichloroethane	200	200	200	9100	1 U	7000
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	
1,1,2-Trichloroethane	5	5	5	0.24	1 U	
1,1-Dichloroethane	31	160		2.4	0.38 J	
1,1-Dichloroethene	7	7	7	340	1 U	5000
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	1 U	
1,2-Dichloroethane	5	5	5	0.15	1 U	
1,2-Dichloropropane	5	5	5	0.39	1 U	
1,4-Dioxane	6.4	32		0.67	200 U	
2-Butanone	4000	4000		7100	10 U	
2-Hexanone	11	44		47	10 U	
4-Methyl-2-Pentanone	2900	8200		2000	10 U	
Acetone	33000	92000		22000	10 U	
Acrylonitrile	0.72	3.7		0.045	20 U	
Benzene	5	5	5	0.41	1 U	
Bromochloromethane	90	90			1 U	
Bromodichloromethane	80	80		0.12	1 U	
Bromoform	80	80		8.5	1 U	
Bromomethane	10	10		8.7	1 U	
Carbon Disulfide	1500	6200		1000	1 U	
Carbon Tetrachloride	5	5	5	0.44	1 U	
Chlorobenzene	100	100	100	91	1 U	
Chlorodibromomethane	80	80		0.15	1 U	
Chloroethane	230	900		21000	1 U	
Chloroform	80	80		0.19	1 U	3
Chloromethane	30	30		190	1 U	
cis-1,2-Dichloroethene	70	70	70	73	0.45 J	
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	
Ethylbenzene	700	700	700	1.5	1 U	
Methyl tert-butyl ether	20	20		12	1 U	
Methylene chloride	5	5		4.8	1 U	
Styrene	100	100	100	1600	1 U	
Tetrachloroethene	5	5	5	0.11	1 U	13000
Toluene	1000	1000	1000	2300	1 U	
trans-1,2-Dichloroethene	100	100	100	110	1 U	34
trans-1,3-Dichloropropene	6.6	26		0.43	1 U	
Trichloroethene	5	5	5	2	1 U	210000
Vinyl Chloride	2	2	2	0.016	0.5 J	
Xylenes (Total)	10000	10000	10000	200	3 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.