Table 2.4-4
Groundwater Data Summary - SVOC Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA 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 3/28/2000	MW-2 3/30/2000	MW-3 4/3/2000	MW-4 3/29/2000	MW-5 3/24/2000	MW-6 3/23/2000	MW-7 4/5/2000	MW-7 5/19/2008	MW-8 4/4/2000	MW-10 3/27/2000	MW-12 4/3/2000	MW-17 3/23/2000
Semi Volatile Organic Compound																
1,2,2,4-Tetrachlorobutane																
1,2,3-Trimethylbenzene																
1,2,4,5-Tetramethylbenzene																
1,2,4-Trichlorobenzene	70	70	70	2.3								9.5 U				
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dichlorobenzene	600	600	600	370	2 U	2 U	2 U	2 U	2 U	2 U	20 U	9.5 U	20 U	2 U	2 U	2 U
1,3-Dichlorobenzene	600	600										9.5 U				
1,3-Diethylbenzene																
1,4-Dichlorobenzene	75	75	75	0.43	2 U	2 U	2 U	2 U	2 U	2 U	20 U	9.5 U	20 U	2 U	2 U	2 U
1-Ethyl-2,4-Dimethylbenzene																
1-Ethyl-2-Methylbenzene																
1-Ethyl-3-Methylbenzene																
1-Ethyl-4-Methylbenzene																
1-Methylcyclohexanol																
1-Methylcyclopentanol																
2,2-Dimethyl-Aziridine																
2,3-Bis(Methylene)Bicyclo(3.2.1)Octane																
2,3-Dihydro-1-Methylindene																
2,3-Dihydroinden-1-One																
2,4,5-Trichlorophenol	3700	10000		3700								9.5 U				
2,4,6-Trichlorophenol	37	100		6.1								9.5 U				
2,4-Dichlorophenol	20	20		110								9.5 U				
2,4-Dimethylphenol	730	2000		730								9.5 U				
2,4-Dinitrophenol	73	200		73								48 U				
2,4-Dinitrotoluene	2.1	8.4		0.22								9.5 U				
2,6-Dinitrotoluene	37	100		37								9.5 U				
2-Chloronaphthalene	2900	8200		2900								9.5 U				
2-Chlorophenol	40	40		180								9.5 U				
2-Ethyl-1,3-Dimethylbenzene																
2-Methyl-2-Hexanol																
2-Methyl-2-Pentanol																
2-Methylbutane																
2-Methylnaphthalene	150	410		150								9.5 U				
2-Methylphenol	1800	5100		1800								9.5 U				
2-Nitroaniline	110	310		370								48 U				
2-Nitrophenol	290	820										9.5 U				
3,3'-Dichlorobenzidine	1.5	5.8		0.15								48 U				
3/4-Methylphenol				180								9.5 U				
3-Methyl-3-Hexanol																
3-Methyl-3-Pentanol																
3-Nitroaniline	11	31										48 U				
4,6-Dinitro-2-Methylphenol	3.7	10		2.9								48 U				
4-Bromophenyl phenyl ether												9.5 U				
4-Chloro-3-Methyl-Phenol	180	510		3700								9.5 U				
4-Chloroaniline	3.3	13		0.34								9.5 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 2.4-4
Groundwater Data Summary - SVOC Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA 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 3/28/2000	MW-2 3/30/2000	MW-3 4/3/2000	MW-4 3/29/2000	MW-5 3/24/2000	MW-6 3/23/2000	MW-7 4/5/2000	MW-7 5/19/2008	MW-8 4/4/2000	MW-10 3/27/2000	MW-12 4/3/2000	MW-17 3/23/2000
4-Chlorodiphenyl Ether												9.5 U				
4-Ethyl-1,2-Dimethylbenzene																
4-Nitroaniline	33	130		3.4								48 U				
4-Nitrophenol	60	60										48 U				
Acenaphthene	2200	3800		2200								9.5 U				
Acenaphthylene	2200	6100		2200								9.5 U				
Alpha-Methylstyrene	2600	7200		2600												
Anthracene	66	66		11000								9.5 U				
Benzene, (2-Methyl-1-Propenyl)																
Benzidine	0.00093	0.011		0.000094												
Benzo (A) Anthracene	0.29	3.6	0.2	0.029								9.5 U				
Benzo (a) Pyrene	0.2	0.2	0.2	0.0029								9.5 U				
Benzo (b) Fluoranthene	0.29	1.2		0.029								9.5 U				
Benzo (b) Thiophene																
Benzo (g,h,i) Perylene	0.26	0.26										9.5 U				
Benzo (k) Fluoranthene	0.55	0.55		0.29								9.5 U				
Benzofuran																
Bis(2-Chloroethoxy) Methane	110	310		110								9.5 U				
Bis(2-Chloroethyl) Ether	0.15	0.76		0.012								9.5 U				
Bis(2-Chloroisopropyl) Ether	300	300		0.32								9.5 U				
Bis(2-Ethylhexyl) Phthalate	6	6	6	4.8								9.5 U				
Butylbenzylphthalate	350	1400		35								9.5 U				
Carbazole	33	130										9.5 U				
Chrysene	1.9	1.9		2.9								9.5 U				
Cyclohexane	13000	53000		13000												
Dibenzo (a,h) Anthracene	0.029	0.36		0.0029								9.5 U				
Dibenzofuran	37	100		37								9.5 U				
Diethylphthalate	29000	82000		29000								9.5 U				
Dimethylphthalate												9.5 U				
Di-n-Butylphthalate	3700	10000		3700								9.5 U				
Di-n-octylphthalate	1500	3000										9.5 U				
Fluoranthene	260	260		1500								9.5 U				
Fluorene	1500	1900		1500								9.5 U				
Hexachlorobenzene	1	1	1	0.042								9.5 U				
Hexachlorobutadiene	8.5	33		0.86								9.5 U				
Hexachlorocyclopentadiene	50	50	50	220								48 U				
Hexachloroethane	1	1		4.8								9.5 U				
Indane																
Indeno (1,2,3-cd) Pyrene	0.29	3.6		0.029								9.5 U				
Isobutylene																
Isophorone	100	100		71								9.5 U				
Methylcycloheptane																
Naphthalene	100	100		0.14								9.5 U				
Nitrobenzene	73	200		0.12								9.5 U				
N-Nitrosodimethylamine	0.0014	0.018		0.00042												
N-Nitrosodi-N-Propylamine	0.094	0.37		0.0096								9.5 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 2.4-4
Groundwater Data Summary - SVOC Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA 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 3/28/2000	MW-2 3/30/2000	MW-3 4/3/2000	MW-4 3/29/2000	MW-5 3/24/2000	MW-6 3/23/2000	MW-7 4/5/2000	MW-7 5/19/2008	MW-8 4/4/2000	MW-10 3/27/2000	MW-12 4/3/2000	MW-17 3/23/2000
N-Nitrosodiphenylamine	130	530		14								9.5 U				
o-Xylene	10000	10000	10000	1200												
Pentachlorophenol	1	1	1	0.17								48 U				
Phenanthrene	1100	1100										9.5 U				
Phenol	2000	2000		11000								9.5 U				
Pyrene	130	130		1100								9.5 U				
SVOC Library Search																

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

Table 2.4-4
Groundwater Data Summary - SVOC Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-19 4/3/2000	MW-21 3/31/2000	MW-22 3/29/2000	MW-23 3/27/2000	MW-24 3/31/2000	MW-25 9/27/1999	MW-25 3/23/2000	MW-26 9/27/1999	MW-26 4/3/2000	MW-27 4/5/2000	MW-28 3/24/2000	MW-28 5/8/2008
Semi Volatile Organic Compound																
1,2,2,4-Tetrachlorobutane																
1,2,3-Trimethylbenzene																
1,2,4,5-Tetramethylbenzene																
1,2,4-Trichlorobenzene	70	70	70	2.3						10 U		10 U				9.6 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dichlorobenzene	600	600	600	370	20 U	2 U	2 U	2 U	2 U	10 U	2 U	10 U	20 U	2 U	2 U	9.6 U
1,3-Dichlorobenzene	600	600														9.6 U
1,3-Diethylbenzene																
1,4-Dichlorobenzene	75	75	75	0.43	20 U	2 U	2 U	2 U	2 U	10 U	2 U	10 U	20 U	2 U	2 U	9.6 U
1-Ethyl-2,4-Dimethylbenzene																
1-Ethyl-2-Methylbenzene																
1-Ethyl-3-Methylbenzene																
1-Ethyl-4-Methylbenzene																
1-Methylcyclohexanol																
1-Methylcyclopentanol																
2,2-Dimethyl-Aziridine																
2,3-Bis(Methylene)Bicyclo(3.2.1)Octane																
2,3-Dihydro-1-Methylindene																
2,3-Dihydroinden-1-One																
2,4,5-Trichlorophenol	3700	10000		3700						10 U		10 U				9.6 U
2,4,6-Trichlorophenol	37	100		6.1						10 U		10 U				9.6 U
2,4-Dichlorophenol	20	20		110						20 U		20 U				9.6 U
2,4-Dimethylphenol	730	2000		730						10 U		10 U				9.6 U
2,4-Dinitrophenol	73	200		73						50 U		50 U				48 U
2,4-Dinitrotoluene	2.1	8.4		0.22						50 U		50 U				9.6 U
2,6-Dinitrotoluene	37	100		37						50 U		50 U				9.6 U
2-Chloronaphthalene	2900	8200		2900						10 U		10 U				9.6 U
2-Chlorophenol	40	40		180						10 U		10 U				9.6 U
2-Ethyl-1,3-Dimethylbenzene																
2-Methyl-2-Hexanol																
2-Methyl-2-Pentanol																
2-Methylbutane																
2-Methylnaphthalene	150	410		150						10 U		10 U				9.6 U
2-Methylphenol	1800	5100		1800						10 U		10 U				9.6 U
2-Nitroaniline	110	310		370						50 U		50 U				48 U
2-Nitrophenol	290	820								20 U		20 U				9.6 U
3,3'-Dichlorobenzidine	1.5	5.8		0.15						50 U		50 U				48 U
3/4-Methylphenol				180						20 U		20 U				9.6 U
3-Methyl-3-Hexanol																
3-Methyl-3-Pentanol																
3-Nitroaniline	11	31								20 U		20 U				48 U
4,6-Dinitro-2-Methylphenol	3.7	10		2.9						50 U		50 U				48 U
4-Bromophenyl phenyl ether										10 U		10 U				9.6 U
4-Chloro-3-Methyl-Phenol	180	510		3700						20 U		20 U				9.6 U
4-Chloroaniline	3.3	13		0.34						10 U		10 U				9.6 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 2.4-4
Groundwater Data Summary - SVOC Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-19 4/3/2000	MW-21 3/31/2000	MW-22 3/29/2000	MW-23 3/27/2000	MW-24 3/31/2000	MW-25 9/27/1999	MW-25 3/23/2000	MW-26 9/27/1999	MW-26 4/3/2000	MW-27 4/5/2000	MW-28 3/24/2000	MW-28 5/8/2008
4-Chlorodiphenyl Ether										10 U		10 U				9.6 U
4-Ethyl-1,2-Dimethylbenzene																
4-Nitroaniline	33	130		3.4						50 U		50 U				48 U
4-Nitrophenol	60	60								50 U		50 U				48 U
Acenaphthene	2200	3800		2200						10 U		10 U				9.6 U
Acenaphthylene	2200	6100		2200						10 U		10 U				9.6 U
Alpha-Methylstyrene	2600	7200		2600												
Anthracene	66	66		11000						10 U		10 U				9.6 U
Benzene, (2-Methyl-1-Propenyl)																
Benzidine	0.00093	0.011		0.000094												
Benzo (A) Anthracene	0.29	3.6	0.2	0.029						10 U		10 U				9.6 U
Benzo (a) Pyrene	0.2	0.2	0.2	0.0029						10 U		10 U				9.6 U
Benzo (b) Fluoranthene	0.29	1.2		0.029						10 U		10 U				9.6 U
Benzo (b) Thiophene																
Benzo (g,h,i) Perylene	0.26	0.26								10 U		10 U				9.6 U
Benzo (k) Fluoranthene	0.55	0.55		0.29						10 U		10 U				9.6 U
Benzofuran																
Bis(2-Chloroethoxy) Methane	110	310		110						10 U		10 U				9.6 U
Bis(2-Chloroethyl) Ether	0.15	0.76		0.012						10 U		10 U				9.6 U
Bis(2-Chloroisopropyl) Ether	300	300		0.32						10 U		10 U				9.6 U
Bis(2-Ethylhexyl) Phthalate	6	6	6	4.8						10 U		10 U				9.6 U
Butylbenzylphthalate	350	1400		35						50 U		50 U				9.6 U
Carbazole	33	130								10 U		10 U				9.6 U
Chrysene	1.9	1.9		2.9						10 U		10 U				9.6 U
Cyclohexane	13000	53000		13000												
Dibenzo (a,h) Anthracene	0.029	0.36		0.0029						20 U		20 U				9.6 U
Dibenzofuran	37	100		37						10 U		10 U				9.6 U
Diethylphthalate	29000	82000		29000						10 U		10 U				9.6 U
Dimethylphthalate										10 U		10 U				9.6 U
Di-n-Butylphthalate	3700	10000		3700						10 U		10 U				9.6 U
Di-n-octylphthalate	1500	3000								10 U		10 U				9.6 U
Fluoranthene	260	260		1500						10 U		10 U				9.6 U
Fluorene	1500	1900		1500						10 U		10 U				9.6 U
Hexachlorobenzene	1	1	1	0.042						20 U		20 U				9.6 U
Hexachlorobutadiene	8.5	33		0.86						20 U		20 U				9.6 U
Hexachlorocyclopentadiene	50	50	50	220						50 U		50 U				48 U
Hexachloroethane	1	1		4.8						50 U		50 U				9.6 U
Indane																
Indeno (1,2,3-cd) Pyrene	0.29	3.6		0.029						20 U		20 U				9.6 U
Isobutylene																
Isophorone	100	100		71						10 U		10 U				9.6 U
Methylcycloheptane																
Naphthalene	100	100		0.14						10 U		10 U				9.6 U
Nitrobenzene	73	200		0.12						10 U		10 U				9.6 U
N-Nitrosodimethylamine	0.0014	0.018		0.00042												
N-Nitrosodi-N-Propylamine	0.094	0.37		0.0096						10 U		10 U				9.6 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 2.4-4
Groundwater Data Summary - SVOC Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-19 4/3/2000	MW-21 3/31/2000	MW-22 3/29/2000	MW-23 3/27/2000	MW-24 3/31/2000	MW-25 9/27/1999	MW-25 3/23/2000	MW-26 9/27/1999	MW-26 4/3/2000	MW-27 4/5/2000	MW-28 3/24/2000	MW-28 5/8/2008
N-Nitrosodiphenylamine	130	530		14						10 U		10 U				9.6 U
o-Xylene	10000	10000	10000	1200												
Pentachlorophenol	1	1	1	0.17						50 U		50 U				48 U
Phenanthrene	1100	1100								10 U		10 U				9.6 U
Phenol	2000	2000		11000						20 U		20 U				9.6 U
Pyrene	130	130		1100						10 U		10 U				9.6 U
SVOC Library Search										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 2.4-4
Groundwater Data Summary - SVOC Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-29 3/22/2000	MW-30 3/22/2000	MW-31D 4/3/2000	MW-31S 3/24/2000	MW-32D 4/6/2000	MW-32D 5/8/2008	MW-32D 10/2/2008	MW-32S 4/6/2000	MW-32S 5/13/2008	MW-33 3/28/2000	MW-34D 4/5/2000	MW-34S 3/24/2000
Semi Volatile Organic Compound																
1,2,2,4-Tetrachlorobutane																
1,2,3-Trimethylbenzene																
1,2,4,5-Tetramethylbenzene																
1,2,4-Trichlorobenzene	70	70	70	2.3						9.4 U	9.4 U		9.6 U			
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dichlorobenzene	600	600	600	370	2 U	2 U	20 U	2 U	20 U	9.4 U	9.4 U	20 U	9.6 U	2 U	2 U	2 U
1,3-Dichlorobenzene	600	600								9.4 U	9.4 U		9.6 U			
1,3-Diethylbenzene																
1,4-Dichlorobenzene	75	75	75	0.43	2 U	2 U	20 U	2 U	20 U	9.4 U	9.4 U	20 U	9.6 U	2 U	2 U	2 U
1-Ethyl-2,4-Dimethylbenzene																
1-Ethyl-2-Methylbenzene																
1-Ethyl-3-Methylbenzene																
1-Ethyl-4-Methylbenzene																
1-Methylcyclohexanol																
1-Methylcyclopentanol																
2,2-Dimethyl-Aziridine																
2,3-Bis(Methylene)Bicyclo(3.2.1)Octane																
2,3-Dihydro-1-Methylindene																
2,3-Dihydroinden-1-One																
2,4,5-Trichlorophenol	3700	10000		3700						9.4 U	9.4 U		9.6 U			
2,4,6-Trichlorophenol	37	100		6.1						9.4 U	9.4 U		9.6 U			
2,4-Dichlorophenol	20	20		110						9.4 U	9.4 U		9.6 U			
2,4-Dimethylphenol	730	2000		730						9.4 U	9.4 U		9.6 U			
2,4-Dinitrophenol	73	200		73						47 U	47 U		48 U			
2,4-Dinitrotoluene	2.1	8.4		0.22						9.4 U	9.4 U		9.6 U			
2,6-Dinitrotoluene	37	100		37						9.4 U	9.4 U		9.6 U			
2-Chloronaphthalene	2900	8200		2900						9.4 U	9.4 U		9.6 U			
2-Chlorophenol	40	40		180						9.4 U	9.4 U		9.6 U			
2-Ethyl-1,3-Dimethylbenzene																
2-Methyl-2-Hexanol																
2-Methyl-2-Pentanol																
2-Methylbutane																
2-Methylnaphthalene	150	410		150						9.4 U	9.4 U		9.6 U			
2-Methylphenol	1800	5100		1800						9.4 U	9.4 U		9.6 U			
2-Nitroaniline	110	310		370						47 U	47 U		48 U			
2-Nitrophenol	290	820								9.4 U	9.4 U		9.6 U			
3,3'-Dichlorobenzidine	1.5	5.8		0.15						47 U	47 U		48 U			
3/4-Methylphenol				180						9.4 U	9.4 U		9.6 U			
3-Methyl-3-Hexanol																
3-Methyl-3-Pentanol																
3-Nitroaniline	11	31								47 U	47 U		48 U			
4,6-Dinitro-2-Methylphenol	3.7	10		2.9						47 U	47 U		48 U			
4-Bromophenyl phenyl ether										9.4 U	9.4 U		9.6 U			
4-Chloro-3-Methyl-Phenol	180	510		3700						9.4 U	9.4 U		9.6 U			
4-Chloroaniline	3.3	13		0.34						9.4 U	9.4 U		9.6 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 2.4-4
Groundwater Data Summary - SVOC Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-29 3/22/2000	MW-30 3/22/2000	MW-31D 4/3/2000	MW-31S 3/24/2000	MW-32D 4/6/2000	MW-32D 5/8/2008	MW-32D 10/2/2008	MW-32S 4/6/2000	MW-32S 5/13/2008	MW-33 3/28/2000	MW-34D 4/5/2000	MW-34S 3/24/2000
4-Chlorodiphenyl Ether										9.4 U	9.4 U		9.6 U			
4-Ethyl-1,2-Dimethylbenzene																
4-Nitroaniline	33	130		3.4						47 U	47 U		48 U			
4-Nitrophenol	60	60								47 U	47 U		48 U			
Acenaphthene	2200	3800		2200						9.4 U	9.4 U		9.6 U			
Acenaphthylene	2200	6100		2200						9.4 U	9.4 U		9.6 U			
Alpha-Methylstyrene	2600	7200		2600												
Anthracene	66	66		11000						9.4 U	9.4 U		9.6 U			
Benzene, (2-Methyl-1-Propenyl)																
Benzidine	0.00093	0.011		0.000094												
Benzo (A) Anthracene	0.29	3.6	0.2	0.029						9.4 U	9.4 U		9.6 U			
Benzo (a) Pyrene	0.2	0.2	0.2	0.0029						9.4 U	9.4 U		9.6 U			
Benzo (b) Fluoranthene	0.29	1.2		0.029						9.4 U	9.4 U		9.6 U			
Benzo (b) Thiophene																
Benzo (g,h,i) Perylene	0.26	0.26								9.4 U	9.4 U		9.6 U			
Benzo (k) Fluoranthene	0.55	0.55		0.29						9.4 U	9.4 U		9.6 U			
Benzofuran																
Bis(2-Chloroethoxy) Methane	110	310		110						9.4 U	9.4 U		9.6 U			
Bis(2-Chloroethyl) Ether	0.15	0.76		0.012						9.4 U	9.4 U		9.6 U			
Bis(2-Chloroisopropyl) Ether	300	300		0.32						9.4 U	9.4 U		9.6 U			
Bis(2-Ethylhexyl) Phthalate	6	6	6	4.8						2.1 J	9.4 U		9.6 U			
Butylbenzylphthalate	350	1400		35						9.4 U	9.4 U		9.6 U			
Carbazole	33	130								9.4 U	9.4 U		9.6 U			
Chrysene	1.9	1.9		2.9						9.4 U	9.4 U		9.6 U			
Cyclohexane	13000	53000		13000												
Dibenzo (a,h) Anthracene	0.029	0.36		0.0029						9.4 U	9.4 U		9.6 U			
Dibenzofuran	37	100		37						9.4 U	9.4 U		9.6 U			
Diethylphthalate	29000	82000		29000						9.4 U	9.4 U		9.6 U			
Dimethylphthalate										9.4 U	9.4 U		9.6 U			
Di-n-Butylphthalate	3700	10000		3700						9.4 U	9.4 U		9.6 U			
Di-n-octylphthalate	1500	3000								9.4 U	9.4 U		9.6 U			
Fluoranthene	260	260		1500						9.4 U	9.4 U		9.6 U			
Fluorene	1500	1900		1500						9.4 U	9.4 U		9.6 U			
Hexachlorobenzene	1	1	1	0.042						9.4 U	9.4 U		9.6 U			
Hexachlorobutadiene	8.5	33		0.86						9.4 U	9.4 U		9.6 U			
Hexachlorocyclopentadiene	50	50	50	220						47 U	47 U		48 U			
Hexachloroethane	1	1		4.8						9.4 U	9.4 U		9.6 U			
Indane																
Indeno (1,2,3-cd) Pyrene	0.29	3.6		0.029						9.4 U	9.4 U		9.6 U			
Isobutylene																
Isophorone	100	100		71						9.4 U	9.4 U		9.6 U			
Methylcycloheptane																
Naphthalene	100	100		0.14						9.4 U	9.4 U		9.6 U			
Nitrobenzene	73	200		0.12						9.4 U	9.4 U		9.6 U			
N-Nitrosodimethylamine	0.0014	0.018		0.00042												
N-Nitrosodi-N-Propylamine	0.094	0.37		0.0096						9.4 U	9.4 U		9.6 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 2.4-4
Groundwater Data Summary - SVOC Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-29 3/22/2000	MW-30 3/22/2000	MW-31D 4/3/2000	MW-31S 3/24/2000	MW-32D 4/6/2000	MW-32D 5/8/2008	MW-32D 10/2/2008	MW-32S 4/6/2000	MW-32S 5/13/2008	MW-33 3/28/2000	MW-34D 4/5/2000	MW-34S 3/24/2000
N-Nitrosodiphenylamine	130	530		14						9.4 U	9.4 U		9.6 U			
o-Xylene	10000	10000	10000	1200												
Pentachlorophenol	1	1	1	0.17						47 U	47 U		48 U			
Phenanthrene	1100	1100								9.4 U	9.4 U		9.6 U			
Phenol	2000	2000		11000						9.4 U	9.4 U		9.6 U			
Pyrene	130	130		1100						9.4 U	9.4 U		9.6 U			
SVOC Library Search																

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

Table 2.4-4
Groundwater Data Summary - SVOC Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA 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 4/4/2000	MW-36D 4/4/2000	MW-36S 3/23/2000	MW-37D 4/3/2000	MW-37D 4/15/2004	MW-37D 5/14/2008	MW-37D 10/1/2008	MW-37S 4/3/2000	MW-37S 4/15/2004	MW-37S 5/14/2008	MW-37S Dup 5/14/2008	MW-37S 9/18/2008
Semi Volatile Organic Compound																
1,2,2,4-Tetrachlorobutane																
1,2,3-Trimethylbenzene																
1,2,4,5-Tetramethylbenzene																
1,2,4-Trichlorobenzene	70	70	70	2.3					1.1 U	9.5 U	9.6 U		1 U	9.6 U	9.5 U	9.6 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dichlorobenzene	600	600	600	370	2 U	20 U	2 U	20 U	11 U	9.5 U	9.6 U	20 U	10 U	9.6 U	9.5 U	9.6 U
1,3-Dichlorobenzene	600	600							11 U	9.5 U	9.6 U		10 U	9.6 U	9.5 U	9.6 U
1,3-Diethylbenzene																
1,4-Dichlorobenzene	75	75	75	0.43	2 U	20 U	2 U	20 U	11 U	9.5 U	9.6 U	20 U	10 U	9.6 U	9.5 U	9.6 U
1-Ethyl-2,4-Dimethylbenzene																
1-Ethyl-2-Methylbenzene																
1-Ethyl-3-Methylbenzene																
1-Ethyl-4-Methylbenzene																
1-Methylcyclohexanol																
1-Methylcyclopentanol																
2,2-Dimethyl-Aziridine																
2,3-Bis(Methylene)Bicyclo(3.2.1)Octane																
2,3-Dihydro-1-Methylindene																
2,3-Dihydroinden-1-One																
2,4,5-Trichlorophenol	3700	10000		3700						9.5 U	9.6 U			9.6 U	9.5 U	9.6 U
2,4,6-Trichlorophenol	37	100		6.1					11 U	9.5 U	9.6 U		10 U	9.6 U	9.5 U	9.6 U
2,4-Dichlorophenol	20	20		110					11 U	9.5 U	9.6 U		10 U	9.6 U	9.5 U	9.6 U
2,4-Dimethylphenol	730	2000		730					11 U	9.5 U	9.6 U		10 U	9.6 U	9.5 U	9.6 U
2,4-Dinitrophenol	73	200		73					42 U	48 U	48 U		41 U	48 U	48 U	48 U
2,4-Dinitrotoluene	2.1	8.4		0.22					2.1 U	9.5 U	9.6 U		2 U	9.6 U	9.5 U	9.6 U
2,6-Dinitrotoluene	37	100		37					2.1 U	9.5 U	9.6 U		2 U	9.6 U	9.5 U	9.6 U
2-Chloronaphthalene	2900	8200		2900					11 U	9.5 U	9.6 U		10 U	9.6 U	9.5 U	9.6 U
2-Chlorophenol	40	40		180					11 U	9.5 U	9.6 U		10 U	9.6 U	9.5 U	9.6 U
2-Ethyl-1,3-Dimethylbenzene																
2-Methyl-2-Hexanol																
2-Methyl-2-Pentanol																
2-Methylbutane																
2-Methylnaphthalene	150	410		150						9.5 U	9.6 U			9.6 U	9.5 U	9.6 U
2-Methylphenol	1800	5100		1800						9.5 U	9.6 U			9.6 U	9.5 U	9.6 U
2-Nitroaniline	110	310		370						48 U	48 U			48 U	48 U	48 U
2-Nitrophenol	290	820							11 U	9.5 U	9.6 U		10 U	9.6 U	9.5 U	9.6 U
3,3'-Dichlorobenzidine	1.5	5.8		0.15					21 U	48 U	48 U		20 U	48 U	48 U	48 U
3/4-Methylphenol				180						9.5 U	9.6 U			9.6 U	9.5 U	9.6 U
3-Methyl-3-Hexanol																
3-Methyl-3-Pentanol																
3-Nitroaniline	11	31								48 U	48 U			48 U	48 U	48 U
4,6-Dinitro-2-Methylphenol	3.7	10		2.9					42 U	48 U	48 U		41 U	48 U	48 U	48 U
4-Bromophenyl phenyl ether									11 U	9.5 U	9.6 U		10 U	9.6 U	9.5 U	9.6 U
4-Chloro-3-Methyl-Phenol	180	510		3700					11 U	9.5 U	9.6 U		10 U	9.6 U	9.5 U	9.6 U
4-Chloroaniline	3.3	13		0.34						9.5 U	9.6 U			9.6 U	9.5 U	9.6 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 2.4-4
Groundwater Data Summary - SVOC Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA 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 4/4/2000	MW-36D 4/4/2000	MW-36S 3/23/2000	MW-37D 4/3/2000	MW-37D 4/15/2004	MW-37D 5/14/2008	MW-37D 10/1/2008	MW-37S 4/3/2000	MW-37S 4/15/2004	MW-37S 5/14/2008	MW-37S Dup 5/14/2008	MW-37S 9/18/2008
4-Chlorodiphenyl Ether									11 U	9.5 U	9.6 U		10 U	9.6 U	9.5 U	9.6 U
4-Ethyl-1,2-Dimethylbenzene																
4-Nitroaniline	33	130		3.4						48 U	48 U			48 U	48 U	48 U
4-Nitrophenol	60	60							42 U	48 U	48 U		41 U	48 U	48 U	48 U
Acenaphthene	2200	3800		2200					11 U	9.5 U	9.6 U		10 U	9.6 U	9.5 U	9.6 U
Acenaphthylene	2200	6100		2200					11 U	9.5 U	9.6 U		10 U	9.6 U	9.5 U	9.6 U
Alpha-Methylstyrene	2600	7200		2600												
Anthracene	66	66		11000					11 U	9.5 U	9.6 U		10 U	9.6 U	9.5 U	9.6 U
Benzene, (2-Methyl-1-Propenyl)																
Benzidine	0.00093	0.011		0.000094					42 U				41 U			
Benzo (A) Anthracene	0.29	3.6	0.2	0.029					1.1 U	9.5 U	9.6 U		1 U	9.6 U	0.6 J	9.6 U
Benzo (a) Pyrene	0.2	0.2	0.2	0.0029					1.1 U	9.5 U	9.6 U		1 U	9.6 U	9.5 U	9.6 U
Benzo (b) Fluoranthene	0.29	1.2		0.029					1.1 U	9.5 U	9.6 U		1 U	9.6 U	9.5 U	9.6 U
Benzo (b) Thiophene																
Benzo (g,h,i) Perylene	0.26	0.26							11 U	9.5 U	9.6 U		10 U	9.6 U	0.67 J	9.6 U
Benzo (k) Fluoranthene	0.55	0.55		0.29					1.1 U	9.5 U	9.6 U		1 U	9.6 U	9.5 U	9.6 U
Benzofuran																
Bis(2-Chloroethoxy) Methane	110	310		110					11 U	9.5 U	9.6 U		10 U	9.6 U	9.5 U	9.6 U
Bis(2-Chloroethyl) Ether	0.15	0.76		0.012					1.1 U	9.5 U	9.6 U		1 U	9.6 U	9.5 U	9.6 U
Bis(2-Chloroisopropyl) Ether	300	300		0.32					11 U	9.5 U	9.6 U		10 U	9.6 U	9.5 U	9.6 U
Bis(2-Ethylhexyl) Phthalate	6	6	6	4.8					4.7 JB	1.6 J	9.6 U		10 U	9.6 U	9.5 U	9.6 U
Butylbenzylphthalate	350	1400		35					11 U	9.5 U	9.6 U		10 U	9.6 U	9.5 U	9.6 U
Carbazole	33	130								9.5 U	9.6 U			9.6 U	9.5 U	9.6 U
Chrysene	1.9	1.9		2.9					11 U	9.5 U	9.6 U		10 U	9.6 U	0.7 J	9.6 U
Cyclohexane	13000	53000		13000												
Dibenzo (a,h) Anthracene	0.029	0.36		0.0029					1.1 U	9.5 U	9.6 U		1 U	9.6 U	0.79 J	9.6 U
Dibenzofuran	37	100		37						9.5 U	9.6 U			9.6 U	9.5 U	9.6 U
Diethylphthalate	29000	82000		29000					11 U	9.5 U	9.6 U		10 U	9.6 U	9.5 U	9.6 U
Dimethylphthalate									11 U	9.5 U	9.6 U		10 U	9.6 U	9.5 U	9.6 U
Di-n-Butylphthalate	3700	10000		3700					11 U	9.5 U	9.6 U		10 U	9.6 U	9.5 U	9.6 U
Di-n-octylphthalate	1500	3000							11 U	9.5 U	9.6 U		10 U	9.6 U	9.5 U	9.6 U
Fluoranthene	260	260		1500					11 U	9.5 U	9.6 U		10 U	9.6 U	9.5 U	9.6 U
Fluorene	1500	1900		1500					11 U	9.5 U	9.6 U		10 U	9.6 U	9.5 U	9.6 U
Hexachlorobenzene	1	1	1	0.042					1.1 U	9.5 U	9.6 U		1 U	9.6 U	9.5 U	9.6 U
Hexachlorobutadiene	8.5	33		0.86					2.1 U	9.5 U	9.6 U		2 U	9.6 U	9.5 U	9.6 U
Hexachlorocyclopentadiene	50	50	50	220					11 U	48 U	48 U		10 U	48 U	48 U	48 U
Hexachloroethane	1	1		4.8					1.1 U	9.5 U	9.6 U		1 U	9.6 U	9.5 U	9.6 U
Indane																
Indeno (1,2,3-cd) Pyrene	0.29	3.6		0.029					1.1 U	9.5 U	9.6 U		1 U	9.6 U	0.66 J	9.6 U
Isobutylene																
Isophorone	100	100		71					11 U	9.5 U	9.6 U		10 U	9.6 U	9.5 U	9.6 U
Methylcycloheptane																
Naphthalene	100	100		0.14					11 U	9.5 U	9.6 U		10 U	9.6 U	9.5 U	9.6 U
Nitrobenzene	73	200		0.12					1.1 U	9.5 U	9.6 U		1 U	9.6 U	9.5 U	9.6 U
N-Nitrosodimethylamine	0.0014	0.018		0.00042					11 U				10 U			
N-Nitrosodi-N-Propylamine	0.094	0.37		0.0096					1.1 U	9.5 U	9.6 U		1 U	9.6 U	9.5 U	9.6 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 2.4-4
Groundwater Data Summary - SVOC Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA 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 4/4/2000	MW-36D 4/4/2000	MW-36S 3/23/2000	MW-37D 4/3/2000	MW-37D 4/15/2004	MW-37D 5/14/2008	MW-37D 10/1/2008	MW-37S 4/3/2000	MW-37S 4/15/2004	MW-37S 5/14/2008	MW-37S Dup 5/14/2008	MW-37S 9/18/2008
N-Nitrosodiphenylamine	130	530		14					11 U	9.5 U	9.6 U		10 U	9.6 U	9.5 U	9.6 U
o-Xylene	10000	10000	10000	1200												
Pentachlorophenol	1	1	1	0.17					42 U	48 U	48 U		41 U	48 U	48 U	48 U
Phenanthrene	1100	1100							11 U	9.5 U	9.6 U		10 U	9.6 U	9.5 U	9.6 U
Phenol	2000	2000		11000					11 U	9.5 U	9.6 U		10 U	9.6 U	9.5 U	9.6 U
Pyrene	130	130		1100					11 U	9.5 U	9.6 U		10 U	9.6 U	9.5 U	9.6 U
SVOC Library Search																

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

Table 2.4-4
Groundwater Data Summary - SVOC Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA 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 3/29/2000	MW-38D 4/14/2004	MW-38S 3/23/2000	MW-39D 3/30/2000	MW-40D 3/30/2000	MW-40S 3/30/2000	MW-41D 3/29/2000	MW-41S 3/29/2000	MW-42D 3/30/2000	MW-42M 3/29/2000	MW-42S 3/27/2000	MW-43D 4/6/2000
Semi Volatile Organic Compound																
1,2,2,4-Tetrachlorobutane																
1,2,3-Trimethylbenzene																
1,2,4,5-Tetramethylbenzene																
1,2,4-Trichlorobenzene	70	70	70	2.3		1.1 U										
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dichlorobenzene	600	600	600	370	2 U	11 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,3-Dichlorobenzene	600	600				11 U										
1,3-Diethylbenzene																
1,4-Dichlorobenzene	75	75	75	0.43	2 U	11 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1-Ethyl-2,4-Dimethylbenzene																
1-Ethyl-2-Methylbenzene																
1-Ethyl-3-Methylbenzene																
1-Ethyl-4-Methylbenzene																
1-Methylcyclohexanol																
1-Methylcyclopentanol																
2,2-Dimethyl-Aziridine																
2,3-Bis(Methylene)Bicyclo(3.2.1)Octane																
2,3-Dihydro-1-Methylindene																
2,3-Dihydroinden-1-One																
2,4,5-Trichlorophenol	3700	10000		3700												
2,4,6-Trichlorophenol	37	100		6.1		11 U										
2,4-Dichlorophenol	20	20		110		11 U										
2,4-Dimethylphenol	730	2000		730		11 U										
2,4-Dinitrophenol	73	200		73		45 U										
2,4-Dinitrotoluene	2.1	8.4		0.22		2.2 U										
2,6-Dinitrotoluene	37	100		37		2.2 U										
2-Chloronaphthalene	2900	8200		2900		11 U										
2-Chlorophenol	40	40		180		11 U										
2-Ethyl-1,3-Dimethylbenzene																
2-Methyl-2-Hexanol																
2-Methyl-2-Pentanol																
2-Methylbutane																
2-Methylnaphthalene	150	410		150												
2-Methylphenol	1800	5100		1800												
2-Nitroaniline	110	310		370												
2-Nitrophenol	290	820				11 U										
3,3'-Dichlorobenzidine	1.5	5.8		0.15		22 U										
3/4-Methylphenol				180												
3-Methyl-3-Hexanol																
3-Methyl-3-Pentanol																
3-Nitroaniline	11	31														
4,6-Dinitro-2-Methylphenol	3.7	10		2.9		45 U										
4-Bromophenyl phenyl ether						11 U										
4-Chloro-3-Methyl-Phenol	180	510		3700		11 U										
4-Chloroaniline	3.3	13		0.34												

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

Table 2.4-4
Groundwater Data Summary - SVOC Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA 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 3/29/2000	MW-38D 4/14/2004	MW-38S 3/23/2000	MW-39D 3/30/2000	MW-40D 3/30/2000	MW-40S 3/30/2000	MW-41D 3/29/2000	MW-41S 3/29/2000	MW-42D 3/30/2000	MW-42M 3/29/2000	MW-42S 3/27/2000	MW-43D 4/6/2000
4-Chlorodiphenyl Ether						11 U										
4-Ethyl-1,2-Dimethylbenzene																
4-Nitroaniline	33	130		3.4												
4-Nitrophenol	60	60				45 U										
Acenaphthene	2200	3800		2200		11 U										
Acenaphthylene	2200	6100		2200		11 U										
Alpha-Methylstyrene	2600	7200		2600												
Anthracene	66	66		11000		11 U										
Benzene, (2-Methyl-1-Propenyl)																
Benzidine	0.00093	0.011		0.000094		45 U										
Benzo (A) Anthracene	0.29	3.6	0.2	0.029		1.1 U										
Benzo (a) Pyrene	0.2	0.2	0.2	0.0029		1.1 U										
Benzo (b) Fluoranthene	0.29	1.2		0.029		1.1 U										
Benzo (b) Thiophene																
Benzo (g,h,i) Perylene	0.26	0.26				11 U										
Benzo (k) Fluoranthene	0.55	0.55		0.29		1.1 U										
Benzofuran																
Bis(2-Chloroethoxy) Methane	110	310		110		11 U										
Bis(2-Chloroethyl) Ether	0.15	0.76		0.012		1.1 U										
Bis(2-Chloroisopropyl) Ether	300	300		0.32		11 U										
Bis(2-Ethylhexyl) Phthalate	6	6	6	4.8		3.2 J										
Butylbenzylphthalate	350	1400		35		11 U										
Carbazole	33	130														
Chrysene	1.9	1.9		2.9		11 U										
Cyclohexane	13000	53000		13000												
Dibenzo (a,h) Anthracene	0.029	0.36		0.0029		1.1 U										
Dibenzofuran	37	100		37												
Diethylphthalate	29000	82000		29000		11 U										
Dimethylphthalate						11 U										
Di-n-Butylphthalate	3700	10000		3700		11 U										
Di-n-octylphthalate	1500	3000				11 U										
Fluoranthene	260	260		1500		11 U										
Fluorene	1500	1900		1500		11 U										
Hexachlorobenzene	1	1	1	0.042		1.1 U										
Hexachlorobutadiene	8.5	33		0.86		2.2 U										
Hexachlorocyclopentadiene	50	50	50	220		11 U										
Hexachloroethane	1	1		4.8		1.1 U										
Indane																
Indeno (1,2,3-cd) Pyrene	0.29	3.6		0.029		1.1 U										
Isobutylene																
Isophorone	100	100		71		11 U										
Methylcycloheptane																
Naphthalene	100	100		0.14		11 U										
Nitrobenzene	73	200		0.12		1.1 U										
N-Nitrosodimethylamine	0.0014	0.018		0.00042		11 U										
N-Nitrosodi-N-Propylamine	0.094	0.37		0.0096		1.1 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 2.4-4
Groundwater Data Summary - SVOC Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA 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 3/29/2000	MW-38D 4/14/2004	MW-38S 3/23/2000	MW-39D 3/30/2000	MW-40D 3/30/2000	MW-40S 3/30/2000	MW-41D 3/29/2000	MW-41S 3/29/2000	MW-42D 3/30/2000	MW-42M 3/29/2000	MW-42S 3/27/2000	MW-43D 4/6/2000
N-Nitrosodiphenylamine	130	530		14		11 U										
o-Xylene	10000	10000	10000	1200												
Pentachlorophenol	1	1	1	0.17		45 U										
Phenanthrene	1100	1100				11 U										
Phenol	2000	2000		11000		11 U										
Pyrene	130	130		1100		11 U										
SVOC Library Search																

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

Table 2.4-4
Groundwater Data Summary - SVOC Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA 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-44 3/23/2000	MW-45 3/23/2000	MW-46 4/4/2000	MW-46 5/19/2008	MW-47 3/31/2000	MW-49D 5/21/2008	MW-49S 5/22/2008	MW-49S 10/9/2008	MW-50D 4/4/2000	MW-50D Dup 4/4/2000	MW-50D 5/22/2008
Semi Volatile Organic Compound																
1,2,2,4-Tetrachlorobutane																
1,2,3-Trimethylbenzene																
1,2,4,5-Tetramethylbenzene																
1,2,4-Trichlorobenzene	70	70	70	2.3					9.7 U		9.5 U	9.6 U	9.5 U			9.4 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dichlorobenzene	600	600	600	370	2 U	2 U	2 U	20 U	9.7 U	2 U	9.5 U	9.6 U	9.5 U	20 U	20 U	2.3 J
1,3-Dichlorobenzene	600	600							9.7 U		9.5 U	9.6 U	9.5 U			9.4 U
1,3-Diethylbenzene																
1,4-Dichlorobenzene	75	75	75	0.43	2 U	2 U	2 U	20 U	9.7 U	2 U	9.5 U	9.6 U	9.5 U	20 U	20 U	9.4 U
1-Ethyl-2,4-Dimethylbenzene																
1-Ethyl-2-Methylbenzene																
1-Ethyl-3-Methylbenzene																
1-Ethyl-4-Methylbenzene																
1-Methylcyclohexanol																
1-Methylcyclopentanol																
2,2-Dimethyl-Aziridine																
2,3-Bis(Methylene)Bicyclo(3.2.1)Octane																
2,3-Dihydro-1-Methylindene																
2,3-Dihydroinden-1-One																
2,4,5-Trichlorophenol	3700	10000		3700					9.7 U		9.5 U	9.6 U	9.5 U			9.4 U
2,4,6-Trichlorophenol	37	100		6.1					9.7 U		9.5 U	9.6 U	9.5 U			9.4 U
2,4-Dichlorophenol	20	20		110					9.7 U		9.5 U	9.6 U	9.5 U			9.4 U
2,4-Dimethylphenol	730	2000		730					9.7 U		9.5 U	9.6 U	9.5 U			9.4 U
2,4-Dinitrophenol	73	200		73					48 U		48 U	48 U	48 U			47 U
2,4-Dinitrotoluene	2.1	8.4		0.22					9.7 U		9.5 U	9.6 UJ	9.5 U			9.4 UJ
2,6-Dinitrotoluene	37	100		37					9.7 U		9.5 U	9.6 U	9.5 U			9.4 U
2-Chloronaphthalene	2900	8200		2900					9.7 U		9.5 U	9.6 U	9.5 U			0.42 J
2-Chlorophenol	40	40		180					9.7 U		9.5 U	9.6 U	9.5 U			9.4 U
2-Ethyl-1,3-Dimethylbenzene																
2-Methyl-2-Hexanol																
2-Methyl-2-Pentanol																
2-Methylbutane																
2-Methylnaphthalene	150	410		150					9.7 U		9.5 U	9.6 U	9.5 U			0.54 J
2-Methylphenol	1800	5100		1800					9.7 U		9.5 U	9.6 U	9.5 U			9.4 U
2-Nitroaniline	110	310		370					48 U		48 U	48 U	48 U			47 U
2-Nitrophenol	290	820							9.7 U		9.5 U	9.6 U	9.5 U			9.4 U
3,3'-Dichlorobenzidine	1.5	5.8		0.15					48 U		48 U	48 U	48 U			47 U
3/4-Methylphenol				180					9.7 U		9.5 U	9.6 U	9.5 U			9.4 U
3-Methyl-3-Hexanol																
3-Methyl-3-Pentanol																
3-Nitroaniline	11	31							48 U		48 U	48 U	48 U			47 U
4,6-Dinitro-2-Methylphenol	3.7	10		2.9					48 U		48 U	48 U	48 U			47 U
4-Bromophenyl phenyl ether									9.7 U		9.5 U	9.6 U	9.5 U			9.4 U
4-Chloro-3-Methyl-Phenol	180	510		3700					9.7 U		9.5 U	9.6 U	9.5 U			9.4 U
4-Chloroaniline	3.3	13		0.34					9.7 U		9.5 U	24 B	9.5 U			22 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 2.4-4
Groundwater Data Summary - SVOC Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA 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-44 3/23/2000	MW-45 3/23/2000	MW-46 4/4/2000	MW-46 5/19/2008	MW-47 3/31/2000	MW-49D 5/21/2008	MW-49S 5/22/2008	MW-49S 10/9/2008	MW-50D 4/4/2000	MW-50D Dup 4/4/2000	MW-50D 5/22/2008
4-Chlorodiphenyl Ether									9.7 U		9.5 U	9.6 U	9.5 U			9.4 U
4-Ethyl-1,2-Dimethylbenzene																
4-Nitroaniline	33	130		3.4					48 U		48 U	48 U	48 U			47 U
4-Nitrophenol	60	60							48 U		48 U	48 U	48 U			47 U
Acenaphthene	2200	3800		2200					9.7 U		9.5 U	9.6 U	9.5 U			0.62 J
Acenaphthylene	2200	6100		2200					9.7 U		9.5 U	9.6 U	9.5 U			9.4 U
Alpha-Methylstyrene	2600	7200		2600												
Anthracene	66	66		11000					9.7 U		9.5 U	9.6 U	9.5 U			0.56 J
Benzene, (2-Methyl-1-Propenyl)																
Benzidine	0.00093	0.011		0.000094												
Benzo (A) Anthracene	0.29	3.6	0.2	0.029					9.7 U		9.5 U	0.45 J	9.5 U			0.54 J
Benzo (a) Pyrene	0.2	0.2	0.2	0.0029					9.7 U		9.5 U	9.6 U	9.5 U			9.4 U
Benzo (b) Fluoranthene	0.29	1.2		0.029					9.7 U		9.5 U	0.3 J	9.5 U			9.4 U
Benzo (b) Thiophene																
Benzo (g,h,i) Perylene	0.26	0.26							9.7 U		9.5 U	9.6 U	9.5 U			9.4 U
Benzo (k) Fluoranthene	0.55	0.55		0.29					9.7 U		9.5 U	9.6 U	9.5 U			9.4 U
Benzofuran																
Bis(2-Chloroethoxy) Methane	110	310		110					9.7 U		9.5 U	9.6 U	9.5 U			9.4 U
Bis(2-Chloroethyl) Ether	0.15	0.76		0.012					9.7 U		9.5 U	9.6 U	9.5 U			9.4 U
Bis(2-Chloroisopropyl) Ether	300	300		0.32					9.7 U		9.5 U	9.6 U	9.5 U			9.4 U
Bis(2-Ethylhexyl) Phthalate	6	6	6	4.8					9.7 U		9.5 U	9.6 U	1.6 J			9.4 U
Butylbenzylphthalate	350	1400		35					9.7 U		9.5 U	9.6 U	9.5 U			9.4 U
Carbazole	33	130							9.7 U		9.5 U	9.6 U	9.5 U			9.4 U
Chrysene	1.9	1.9		2.9					9.7 U		9.5 U	9.6 U	9.5 U			0.71 J
Cyclohexane	13000	53000		13000												
Dibenzo (a,h) Anthracene	0.029	0.36		0.0029					9.7 U		9.5 U	9.6 U	9.5 U			9.4 U
Dibenzofuran	37	100		37					9.7 U		9.5 U	9.6 U	9.5 U			9.4 U
Diethylphthalate	29000	82000		29000					9.7 U		9.5 U	9.6 U	9.5 U			9.4 U
Dimethylphthalate									9.7 U		9.5 U	9.6 U	9.5 U			9.4 U
Di-n-Butylphthalate	3700	10000		3700					9.7 U		9.5 U	9.6 U	9.5 U			9.4 U
Di-n-octylphthalate	1500	3000							9.7 U		9.5 U	9.6 U	9.5 U			9.4 U
Fluoranthene	260	260		1500					9.7 U		9.5 U	0.82 J	9.5 U			0.95 J
Fluorene	1500	1900		1500					9.7 U		9.5 U	9.6 U	9.5 U			9.4 U
Hexachlorobenzene	1	1	1	0.042					9.7 U		9.5 U	9.6 U	9.5 U			9.4 U
Hexachlorobutadiene	8.5	33		0.86					9.7 U		9.5 U	9.6 U	9.5 U			9.4 U
Hexachlorocyclopentadiene	50	50	50	220					48 U		48 U	48 U	48 U			47 U
Hexachloroethane	1	1		4.8					9.7 U		9.5 U	9.6 U	9.5 U			9.4 U
Indane																
Indeno (1,2,3-cd) Pyrene	0.29	3.6		0.029					9.7 U		9.5 U	9.6 U	9.5 U			9.4 U
Isobutylene																
Isophorone	100	100		71					9.7 U		9.5 U	9.6 U	9.5 U			9.4 U
Methylcycloheptane																
Naphthalene	100	100		0.14					9.7 U		9.5 U	0.42 J	9.5 U			0.51 J
Nitrobenzene	73	200		0.12					9.7 U		9.5 U	190	9.5 U			170
N-Nitrosodimethylamine	0.0014	0.018		0.00042												
N-Nitrosodi-N-Propylamine	0.094	0.37		0.0096					9.7 U		9.5 U	9.6 U	9.5 U			9.4 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 2.4-4
Groundwater Data Summary - SVOC Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA 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-44 3/23/2000	MW-45 3/23/2000	MW-46 4/4/2000	MW-46 5/19/2008	MW-47 3/31/2000	MW-49D 5/21/2008	MW-49S 5/22/2008	MW-49S 10/9/2008	MW-50D 4/4/2000	MW-50D Dup 4/4/2000	MW-50D 5/22/2008
N-Nitrosodiphenylamine	130	530		14					9.7 U		9.5 U	9.6 U	9.5 U			9.4 U
o-Xylene	10000	10000	10000	1200												
Pentachlorophenol	1	1	1	0.17					48 U		48 U	3.7 J	48 U			47 U
Phenanthrene	1100	1100							9.7 U		9.5 U	1.2 J	9.5 U			1.4 J
Phenol	2000	2000		11000					9.7 U		9.5 U	9.6 U	9.5 U			9.4 U
Pyrene	130	130		1100					9.7 U		9.5 U	9.6 U	9.5 U			0.6 J
SVOC Library Search																

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

Table 2.4-4
Groundwater Data Summary - SVOC Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA 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 10/7/2008	MW-50S 4/6/2000	MW-51D 4/6/2000	MW-51S 4/5/2000	MW-51S 5/20/2008	MW-52 3/22/2000	MW-53 3/22/2000	MW-54 4/10/2000	MW-54 5/27/2008	MW-55 5/23/2008	MW-55 10/8/2008	MW-56 3/30/2000
Semi Volatile Organic Compound																
1,2,2,4-Tetrachlorobutane																
1,2,3-Trimethylbenzene																
1,2,4,5-Tetramethylbenzene																
1,2,4-Trichlorobenzene	70	70	70	2.3	9.5 U				9.5 U				9.5 U	9.8 U	10 U	
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dichlorobenzene	600	600	600	370	9.5 U	20 U	20 U	20 U	9.5 U	2 U	2 U	20 U	9.5 U	2.6 J	10 U	2 U
1,3-Dichlorobenzene	600	600			9.5 U				9.5 U				9.5 U	9.8 U	10 U	
1,3-Diethylbenzene																
1,4-Dichlorobenzene	75	75	75	0.43	9.5 U	20 U	20 U	20 U	9.5 U	2 U	2 U	20 U	9.5 U	9.8 U	10 U	2 U
1-Ethyl-2,4-Dimethylbenzene																
1-Ethyl-2-Methylbenzene																
1-Ethyl-3-Methylbenzene																
1-Ethyl-4-Methylbenzene																
1-Methylcyclohexanol																
1-Methylcyclopentanol																
2,2-Dimethyl-Aziridine																
2,3-Bis(Methylene)Bicyclo(3.2.1)Octane																
2,3-Dihydro-1-Methylindene																
2,3-Dihydroinden-1-One																
2,4,5-Trichlorophenol	3700	10000		3700	9.5 U				9.5 U				9.5 U	9.8 U	10 U	
2,4,6-Trichlorophenol	37	100		6.1	9.5 U				9.5 U				9.5 U	9.8 U	10 U	
2,4-Dichlorophenol	20	20		110	9.5 U				9.5 U				9.5 U	9.8 U	10 U	
2,4-Dimethylphenol	730	2000		730	9.5 U				9.5 U				9.5 U	9.8 U	10 U	
2,4-Dinitrophenol	73	200		73	48 U				48 U				48 U	49 U	50 U	
2,4-Dinitrotoluene	2.1	8.4		0.22	9.5 U				9.5 U				9.5 U	9.8 U	10 U	
2,6-Dinitrotoluene	37	100		37	9.5 U				9.5 U				9.5 U	9.8 U	10 U	
2-Chloronaphthalene	2900	8200		2900	9.5 U				9.5 U				9.5 U	9.8 U	10 U	
2-Chlorophenol	40	40		180	9.5 U				9.5 U				9.5 U	9.8 U	10 U	
2-Ethyl-1,3-Dimethylbenzene																
2-Methyl-2-Hexanol																
2-Methyl-2-Pentanol																
2-Methylbutane																
2-Methylnaphthalene	150	410		150	9.5 U				9.5 U				9.5 U	9.8 U	10 U	
2-Methylphenol	1800	5100		1800	9.5 U				9.5 U				9.5 U	9.8 U	10 U	
2-Nitroaniline	110	310		370	48 U				48 U				48 U	49 U	50 U	
2-Nitrophenol	290	820			9.5 U				9.5 U				9.5 U	9.8 U	10 U	
3,3'-Dichlorobenzidine	1.5	5.8		0.15	48 U				48 U				48 U	49 U	50 U	
3/4-Methylphenol				180	9.5 U				9.5 U				9.5 U	9.8 U	10 U	
3-Methyl-3-Hexanol																
3-Methyl-3-Pentanol																
3-Nitroaniline	11	31			48 U				48 U				48 U	49 U	50 U	
4,6-Dinitro-2-Methylphenol	3.7	10		2.9	48 U				48 U				48 U	49 U	50 U	
4-Bromophenyl phenyl ether					9.5 U				9.5 U				9.5 U	9.8 U	10 U	
4-Chloro-3-Methyl-Phenol	180	510		3700	9.5 U				9.5 U				9.5 U	9.8 U	10 U	
4-Chloroaniline	3.3	13		0.34	9.5 U				9.5 U				9.5 U	26 B	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 2.4-4
Groundwater Data Summary - SVOC Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA 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 10/7/2008	MW-50S 4/6/2000	MW-51D 4/6/2000	MW-51S 4/5/2000	MW-51S 5/20/2008	MW-52 3/22/2000	MW-53 3/22/2000	MW-54 4/10/2000	MW-54 5/27/2008	MW-55 5/23/2008	MW-55 10/8/2008	MW-56 3/30/2000
4-Chlorodiphenyl Ether					9.5 U				9.5 U				9.5 U	9.8 U	10 U	
4-Ethyl-1,2-Dimethylbenzene																
4-Nitroaniline	33	130		3.4	48 U				48 U				48 U	49 U	50 U	
4-Nitrophenol	60	60			48 U				48 U				48 U	49 U	50 U	
Acenaphthene	2200	3800		2200	9.5 U				9.5 U				9.5 U	9.8 U	10 U	
Acenaphthylene	2200	6100		2200	9.5 U				9.5 U				9.5 U	9.8 U	10 U	
Alpha-Methylstyrene	2600	7200		2600												
Anthracene	66	66		11000	9.5 U				9.5 U				9.5 U	9.8 U	10 U	
Benzene, (2-Methyl-1-Propenyl)																
Benzidine	0.00093	0.011		0.000094												
Benzo (A) Anthracene	0.29	3.6	0.2	0.029	9.5 U				9.5 U				9.5 U	9.8 U	10 U	
Benzo (a) Pyrene	0.2	0.2	0.2	0.0029	9.5 U				9.5 U				9.5 U	9.8 U	10 U	
Benzo (b) Fluoranthene	0.29	1.2		0.029	9.5 U				9.5 U				9.5 U	9.8 U	10 U	
Benzo (b) Thiophene																
Benzo (g,h,i) Perylene	0.26	0.26			9.5 U				9.5 U				9.5 U	9.8 U	10 U	
Benzo (k) Fluoranthene	0.55	0.55		0.29	9.5 U				9.5 U				9.5 U	9.8 U	10 U	
Benzofuran																
Bis(2-Chloroethoxy) Methane	110	310		110	9.5 U				9.5 U				9.5 U	9.8 U	10 U	
Bis(2-Chloroethyl) Ether	0.15	0.76		0.012	9.5 U				9.5 U				9.5 U	9.8 U	10 U	
Bis(2-Chloroisopropyl) Ether	300	300		0.32	9.5 U				9.5 U				9.5 U	9.8 U	10 U	
Bis(2-Ethylhexyl) Phthalate	6	6	6	4.8	9.5 U				9.5 U				9.5 U	9.8 U	10 U	
Butylbenzylphthalate	350	1400		35	9.5 U				9.5 U				9.5 U	9.8 U	10 U	
Carbazole	33	130			9.5 U				9.5 U				9.5 U	9.8 U	10 U	
Chrysene	1.9	1.9		2.9	9.5 U				9.5 U				9.5 U	9.8 U	10 U	
Cyclohexane	13000	53000		13000												
Dibenzo (a,h) Anthracene	0.029	0.36		0.0029	9.5 U				9.5 U				9.5 U	9.8 U	10 U	
Dibenzofuran	37	100		37	9.5 U				9.5 U				9.5 U	9.8 U	10 U	
Diethylphthalate	29000	82000		29000	9.5 U				9.5 U				9.5 U	9.8 U	10 U	
Dimethylphthalate					9.5 U				9.5 U				9.5 U	9.8 U	10 U	
Di-n-Butylphthalate	3700	10000		3700	9.5 U				9.5 U				9.5 U	9.8 U	10 U	
Di-n-octylphthalate	1500	3000			9.5 U				9.5 U				9.5 U	9.8 U	10 U	
Fluoranthene	260	260		1500	9.5 U				9.5 U				9.5 U	0.95 J	10 U	
Fluorene	1500	1900		1500	9.5 U				9.5 U				9.5 U	9.8 U	10 U	
Hexachlorobenzene	1	1	1	0.042	9.5 U				9.5 U				9.5 U	9.8 U	10 U	
Hexachlorobutadiene	8.5	33		0.86	9.5 U				9.5 U				9.5 U	9.8 U	10 U	
Hexachlorocyclopentadiene	50	50	50	220	48 U				48 U				48 U	49 U	50 U	
Hexachloroethane	1	1		4.8	9.5 U				9.5 U				9.5 U	9.8 U	10 U	
Indane																
Indeno (1,2,3-cd) Pyrene	0.29	3.6		0.029	9.5 U				9.5 U				9.5 U	9.8 U	10 U	
Isobutylene																
Isophorone	100	100		71	9.5 U				9.5 U				9.5 U	9.8 U	10 U	
Methylcycloheptane																
Naphthalene	100	100		0.14	9.5 U				9.5 U				9.5 U	9.8 U	10 U	
Nitrobenzene	73	200		0.12	9.5 U				9.5 U				9.5 U	190	10 U	
N-Nitrosodimethylamine	0.0014	0.018		0.00042												
N-Nitrosodi-N-Propylamine	0.094	0.37		0.0096	9.5 U				9.5 U				9.5 U	9.8 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 2.4-4
Groundwater Data Summary - SVOC Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA 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 10/7/2008	MW-50S 4/6/2000	MW-51D 4/6/2000	MW-51S 4/5/2000	MW-51S 5/20/2008	MW-52 3/22/2000	MW-53 3/22/2000	MW-54 4/10/2000	MW-54 5/27/2008	MW-55 5/23/2008	MW-55 10/8/2008	MW-56 3/30/2000
N-Nitrosodiphenylamine	130	530		14	9.5 U				9.5 U				9.5 U	9.8 U	10 U	
o-Xylene	10000	10000	10000	1200												
Pentachlorophenol	1	1	1	0.17	48 U				48 U				48 U	49 U	50 U	
Phenanthrene	1100	1100			9.5 U				9.5 U				9.5 U	1.2 J	10 U	
Phenol	2000	2000		11000	9.5 U				9.5 U				9.5 U	3.3 J B	10 U	
Pyrene	130	130		1100	9.5 U				9.5 U				9.5 U	0.64 J	10 U	
SVOC Library Search																

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

Table 2.4-4
Groundwater Data Summary - SVOC Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-57 4/3/2000	MW-59 4/4/2000	MW-60 4/4/2000	MW-61D 3/23/2000	MW-61S 3/22/2000	MW-64D 4/6/2000	MW-64S 4/10/2000	MW-65D 9/7/1999	MW-65D 3/27/2000	MW-65S 9/1/1999	MW-65S 4/4/2000	MW-66D 9/9/1999	MW-66D 3/28/2000
Semi Volatile Organic Compound																	
1,2,2,4-Tetrachlorobutane																	
1,2,3-Trimethylbenzene																	
1,2,4,5-Tetramethylbenzene																	
1,2,4-Trichlorobenzene	70	70	70	2.3							10 U	10 U		10 U		10 U	
1,2,4-Trimethylbenzene	15	62		15													
1,2-Dichlorobenzene	600	600	600	370	2 U	2 U	20 U	2 U	2 U	20 U	10 U	10 U	2 U	10 U	2 U	10 U	2 U
1,3-Dichlorobenzene	600	600															
1,3-Diethylbenzene																	
1,4-Dichlorobenzene	75	75	75	0.43	2 U	2 U	20 U	2 U	2 U	20 U	10 U	10 U	2 U	10 U	2 U	10 U	2 U
1-Ethyl-2,4-Dimethylbenzene																	
1-Ethyl-2-Methylbenzene																	
1-Ethyl-3-Methylbenzene																	
1-Ethyl-4-Methylbenzene																	
1-Methylcyclohexanol																	
1-Methylcyclopentanol																	
2,2-Dimethyl-Aziridine																	
2,3-Bis(Methylene)Bicyclo(3.2.1)Octane																	
2,3-Dihydro-1-Methylindene																	
2,3-Dihydroinden-1-One																	
2,4,5-Trichlorophenol	3700	10000		3700							10 U	10 U		10 U		10 U	
2,4,6-Trichlorophenol	37	100		6.1							10 U	10 U		10 U		10 U	
2,4-Dichlorophenol	20	20		110							20 U	20 U		20 U		20 U	
2,4-Dimethylphenol	730	2000		730							10 U	10 U		10 U		10 U	
2,4-Dinitrophenol	73	200		73							50 U	50 U		50 U		50 U	
2,4-Dinitrotoluene	2.1	8.4		0.22							50 U	50 U		50 U		50 U	
2,6-Dinitrotoluene	37	100		37							50 U	50 U		50 U		50 U	
2-Chloronaphthalene	2900	8200		2900							10 U	10 U		10 U		10 U	
2-Chlorophenol	40	40		180							10 U	10 U		10 U		10 U	
2-Ethyl-1,3-Dimethylbenzene																	
2-Methyl-2-Hexanol																	
2-Methyl-2-Pentanol																	
2-Methylbutane																	
2-Methylnaphthalene	150	410		150							10 U	10 U		10 U		10 U	
2-Methylphenol	1800	5100		1800							10 U	10 U		10 U		10 U	
2-Nitroaniline	110	310		370							50 U	50 U		50 U		50 U	
2-Nitrophenol	290	820									20 U	20 U		20 U		20 U	
3,3'-Dichlorobenzidine	1.5	5.8		0.15							50 U	50 U		50 U		50 U	
3/4-Methylphenol				180							20 U	20 U		20 U		20 U	
3-Methyl-3-Hexanol																	
3-Methyl-3-Pentanol																	
3-Nitroaniline	11	31									20 U	20 U		20 U		20 U	
4,6-Dinitro-2-Methylphenol	3.7	10		2.9							50 U	50 U		50 U		50 U	
4-Bromophenyl phenyl ether											10 U	10 U		10 U		10 U	
4-Chloro-3-Methyl-Phenol	180	510		3700							20 U	20 U		20 U		20 U	
4-Chloroaniline	3.3	13		0.34							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 2.4-4
Groundwater Data Summary - SVOC Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-57 4/3/2000	MW-59 4/4/2000	MW-60 4/4/2000	MW-61D 3/23/2000	MW-61S 3/22/2000	MW-64D 4/6/2000	MW-64S 4/10/2000	MW-65D 9/7/1999	MW-65D 3/27/2000	MW-65S 9/1/1999	MW-65S 4/4/2000	MW-66D 9/9/1999	MW-66D 3/28/2000
4-Chlorodiphenyl Ether											10 U	10 U		10 U		10 U	
4-Ethyl-1,2-Dimethylbenzene																	
4-Nitroaniline	33	130		3.4							50 U	50 U		50 U		50 U	
4-Nitrophenol	60	60									50 U	50 U		50 U		50 U	
Acenaphthene	2200	3800		2200							10 U	10 U		10 U		10 U	
Acenaphthylene	2200	6100		2200							10 U	10 U		10 U		10 U	
Alpha-Methylstyrene	2600	7200		2600													
Anthracene	66	66		11000							10 U	10 U		10 U		10 U	
Benzene, (2-Methyl-1-Propenyl)																	
Benzidine	0.00093	0.011		0.000094													
Benzo (A) Anthracene	0.29	3.6	0.2	0.029							10 U	10 U		10 U		10 U	
Benzo (a) Pyrene	0.2	0.2	0.2	0.0029							10 U	10 U		10 U		10 U	
Benzo (b) Fluoranthene	0.29	1.2		0.029							10 U	10 U		10 U		10 U	
Benzo (b) Thiophene																	
Benzo (g,h,i) Perylene	0.26	0.26									10 U	10 U		10 U		10 U	
Benzo (k) Fluoranthene	0.55	0.55		0.29							10 U	10 U		10 U		10 U	
Benzofuran																	
Bis(2-Chloroethoxy) Methane	110	310		110							10 U	10 U		10 U		10 U	
Bis(2-Chloroethyl) Ether	0.15	0.76		0.012							10 U	10 U		10 U		10 U	
Bis(2-Chloroisopropyl) Ether	300	300		0.32							10 U	10 U		10 U		10 U	
Bis(2-Ethylhexyl) Phthalate	6	6	6	4.8							10 U	10 U		10 U		10 U	
Butylbenzylphthalate	350	1400		35							50 U	50 U		50 U		50 U	
Carbazole	33	130									10 U	10 U		10 U		10 U	
Chrysene	1.9	1.9		2.9							10 U	10 U		10 U		10 U	
Cyclohexane	13000	53000		13000													
Dibenzo (a,h) Anthracene	0.029	0.36		0.0029							20 U	20 U		20 U		20 U	
Dibenzofuran	37	100		37							10 U	10 U		10 U		10 U	
Diethylphthalate	29000	82000		29000							10 U	10 U		10 U		10 U	
Dimethylphthalate											10 U	10 U		10 U		10 U	
Di-n-Butylphthalate	3700	10000		3700							10 U	10 U		10 U		10 U	
Di-n-octylphthalate	1500	3000									10 U	10 U		10 U		10 U	
Fluoranthene	260	260		1500							10 U	10 U		10 U		10 U	
Fluorene	1500	1900		1500							10 U	10 U		10 U		10 U	
Hexachlorobenzene	1	1	1	0.042							20 U	20 U		20 U		20 U	
Hexachlorobutadiene	8.5	33		0.86							20 U	20 U		20 U		20 U	
Hexachlorocyclopentadiene	50	50	50	220							50 U	50 U		50 U		50 U	
Hexachloroethane	1	1		4.8							50 U	50 U		50 U		50 U	
Indane																	
Indeno (1,2,3-cd) Pyrene	0.29	3.6		0.029							20 U	20 U		20 U		20 U	
Isobutylene																	
Isophorone	100	100		71							10 U	10 U		10 U		10 U	
Methylcycloheptane																	
Naphthalene	100	100		0.14							10 U	10 U		10 U		10 U	
Nitrobenzene	73	200		0.12							10 U	10 U		10 U		10 U	
N-Nitrosodimethylamine	0.0014	0.018		0.00042													
N-Nitrosodi-N-Propylamine	0.094	0.37		0.0096							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 2.4-4
Groundwater Data Summary - SVOC Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-57 4/3/2000	MW-59 4/4/2000	MW-60 4/4/2000	MW-61D 3/23/2000	MW-61S 3/22/2000	MW-64D 4/6/2000	MW-64S 4/10/2000	MW-65D 9/7/1999	MW-65D 3/27/2000	MW-65S 9/1/1999	MW-65S 4/4/2000	MW-66D 9/9/1999	MW-66D 3/28/2000
N-Nitrosodiphenylamine	130	530		14							10 U	10 U		10 U		10 U	
o-Xylene	10000	10000	10000	1200													
Pentachlorophenol	1	1	1	0.17							50 U	50 U		50 U		50 U	
Phenanthrene	1100	1100									10 U	10 U		10 U		10 U	
Phenol	2000	2000		11000							20 U	20 U		20 U		20 U	
Pyrene	130	130		1100							10 U	10 U		10 U		10 U	
SVOC Library Search												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 2.4-4
Groundwater Data Summary - SVOC Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-66S 9/1/1999	MW-66S 3/28/2000	MW-67D 9/7/1999	MW-67D 3/29/2000	MW-67S 9/1/1999	MW-67S 3/31/2000	MW-68 9/9/1999	MW-68 3/28/2000	MW-69 9/9/1999	MW-69 4/4/2000	MW-70D 9/10/1999	MW-70D 4/3/2000
Semi Volatile Organic Compound																
1,2,2,4-Tetrachlorobutane																
1,2,3-Trimethylbenzene																
1,2,4,5-Tetramethylbenzene																
1,2,4-Trichlorobenzene	70	70	70	2.3	10 U		10 U		10 U		10 U		10 U		10 U	
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dichlorobenzene	600	600	600	370	10 U	2 U	10 U	2 U	10 U	2 U	10 U	2 U	10 U	20 U	10 U	2 U
1,3-Dichlorobenzene	600	600														
1,3-Diethylbenzene																
1,4-Dichlorobenzene	75	75	75	0.43	10 U	2 U	10 U	2 U	10 U	2 U	10 U	2 U	10 U	20 U	10 U	2 U
1-Ethyl-2,4-Dimethylbenzene																
1-Ethyl-2-Methylbenzene																
1-Ethyl-3-Methylbenzene																
1-Ethyl-4-Methylbenzene																
1-Methylcyclohexanol																
1-Methylcyclopentanol																
2,2-Dimethyl-Aziridine																
2,3-Bis(Methylene)Bicyclo(3.2.1)Octane																
2,3-Dihydro-1-Methylindene																
2,3-Dihydroinden-1-One																
2,4,5-Trichlorophenol	3700	10000		3700	10 U		10 U		10 U		10 U		10 U		10 U	
2,4,6-Trichlorophenol	37	100		6.1	10 U		10 U		10 U		10 U		10 U		10 U	
2,4-Dichlorophenol	20	20		110	20 U		20 U		20 U		20 U		20 U		20 U	
2,4-Dimethylphenol	730	2000		730	10 U		10 U		10 U		10 U		10 U		10 U	
2,4-Dinitrophenol	73	200		73	50 U		50 U		50 U		50 U		50 U		50 U	
2,4-Dinitrotoluene	2.1	8.4		0.22	50 U		50 U		50 U		50 U		50 U		50 U	
2,6-Dinitrotoluene	37	100		37	50 U		50 U		50 U		50 U		50 U		50 U	
2-Chloronaphthalene	2900	8200		2900	10 U		10 U		10 U		10 U		10 U		10 U	
2-Chlorophenol	40	40		180	10 U		10 U		10 U		10 U		10 U		10 U	
2-Ethyl-1,3-Dimethylbenzene																
2-Methyl-2-Hexanol																
2-Methyl-2-Pentanol																
2-Methylbutane																
2-Methylnaphthalene	150	410		150	10 U		10 U		10 U		10 U		10 U		10 U	
2-Methylphenol	1800	5100		1800	10 U		10 U		10 U		10 U		10 U		10 U	
2-Nitroaniline	110	310		370	50 U		50 U		50 U		50 U		50 U		50 U	
2-Nitrophenol	290	820			20 U		20 U		20 U		20 U		20 U		20 U	
3,3'-Dichlorobenzidine	1.5	5.8		0.15	50 U		50 U		50 U		50 U		50 U		50 U	
3/4-Methylphenol				180	20 U		20 U		20 U		20 U		20 U		20 U	
3-Methyl-3-Hexanol																
3-Methyl-3-Pentanol																
3-Nitroaniline	11	31			20 U		20 U		20 U		20 U		20 U		20 U	
4,6-Dinitro-2-Methylphenol	3.7	10		2.9	50 U		50 U		50 U		50 U		50 U		50 U	
4-Bromophenyl phenyl ether					10 U		10 U		10 U		10 U		10 U		10 U	
4-Chloro-3-Methyl-Phenol	180	510		3700	20 U		20 U		20 U		20 U		20 U		20 U	
4-Chloroaniline	3.3	13		0.34	10 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 2.4-4
Groundwater Data Summary - SVOC Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-66S 9/1/1999	MW-66S 3/28/2000	MW-67D 9/7/1999	MW-67D 3/29/2000	MW-67S 9/1/1999	MW-67S 3/31/2000	MW-68 9/9/1999	MW-68 3/28/2000	MW-69 9/9/1999	MW-69 4/4/2000	MW-70D 9/10/1999	MW-70D 4/3/2000
4-Chlorodiphenyl Ether					10 U		10 U		10 U		10 U		10 U		10 U	
4-Ethyl-1,2-Dimethylbenzene																
4-Nitroaniline	33	130		3.4	50 U		50 U		50 U		50 U		50 U		50 U	
4-Nitrophenol	60	60			50 U		50 U		50 U		50 U		50 U		50 U	
Acenaphthene	2200	3800		2200	10 U		10 U		10 U		10 U		10 U		10 U	
Acenaphthylene	2200	6100		2200	10 U		10 U		10 U		10 U		10 U		10 U	
Alpha-Methylstyrene	2600	7200		2600												
Anthracene	66	66		11000	10 U		10 U		10 U		10 U		10 U		10 U	
Benzene, (2-Methyl-1-Propenyl)																
Benzidine	0.00093	0.011		0.000094												
Benzo (A) Anthracene	0.29	3.6	0.2	0.029	10 U		10 U		10 U		10 U		10 U		10 U	
Benzo (a) Pyrene	0.2	0.2	0.2	0.0029	10 U		10 U		10 U		10 U		10 U		10 U	
Benzo (b) Fluoranthene	0.29	1.2		0.029	10 U		10 U		10 U		10 U		10 U		10 U	
Benzo (b) Thiophene																
Benzo (g,h,i) Perylene	0.26	0.26			10 U		10 U		10 U		10 U		10 U		10 U	
Benzo (k) Fluoranthene	0.55	0.55		0.29	10 U		10 U		10 U		10 U		10 U		10 U	
Benzofuran																
Bis(2-Chloroethoxy) Methane	110	310		110	10 U		10 U		10 U		10 U		10 U		10 U	
Bis(2-Chloroethyl) Ether	0.15	0.76		0.012	10 U		10 U		10 U		10 U		10 U		10 U	
Bis(2-Chloroisopropyl) Ether	300	300		0.32	10 U		10 U		10 U		10 U		10 U		10 U	
Bis(2-Ethylhexyl) Phthalate	6	6	6	4.8	10 U		10 U		10 U		10 U		10 U		10 U	
Butylbenzylphthalate	350	1400		35	50 U		50 U		50 U		50 U		50 U		50 U	
Carbazole	33	130			10 U		10 U		10 U		10 U		10 U		10 U	
Chrysene	1.9	1.9		2.9	10 U		10 U		10 U		10 U		10 U		10 U	
Cyclohexane	13000	53000		13000												
Dibenzo (a,h) Anthracene	0.029	0.36		0.0029	20 U		20 U		20 U		20 U		20 U		20 U	
Dibenzofuran	37	100		37	10 U		10 U		10 U		10 U		10 U		10 U	
Diethylphthalate	29000	82000		29000	10 U		10 U		10 U		10 U		10 U		10 U	
Dimethylphthalate					10 U		10 U		10 U		10 U		10 U		10 U	
Di-n-Butylphthalate	3700	10000		3700	10 U		10 U		10 U		10 U		10 U		10 U	
Di-n-octylphthalate	1500	3000			10 U		10 U		10 U		10 U		10 U		10 U	
Fluoranthene	260	260		1500	10 U		10 U		10 U		10 U		10 U		10 U	
Fluorene	1500	1900		1500	10 U		10 U		10 U		10 U		10 U		10 U	
Hexachlorobenzene	1	1	1	0.042	20 U		20 U		20 U		20 U		20 U		20 U	
Hexachlorobutadiene	8.5	33		0.86	20 U		20 U		20 U		20 U		20 U		20 U	
Hexachlorocyclopentadiene	50	50	50	220	50 U		50 U		50 U		50 U		50 U		50 U	
Hexachloroethane	1	1		4.8	50 U		50 U		50 U		50 U		50 U		50 U	
Indane																
Indeno (1,2,3-cd) Pyrene	0.29	3.6		0.029	20 U		20 U		20 U		20 U		20 U		20 U	
Isobutylene																
Isophorone	100	100		71	10 U		10 U		10 U		10 U		10 U		10 U	
Methylcycloheptane																
Naphthalene	100	100		0.14	10 U		10 U		10 U		10 U		10 U		10 U	
Nitrobenzene	73	200		0.12	10 U		10 U		10 U		10 U		10 U		10 U	
N-Nitrosodimethylamine	0.0014	0.018		0.00042												
N-Nitrosodi-N-Propylamine	0.094	0.37		0.0096	10 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 2.4-4
Groundwater Data Summary - SVOC Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-66S 9/1/1999	MW-66S 3/28/2000	MW-67D 9/7/1999	MW-67D 3/29/2000	MW-67S 9/1/1999	MW-67S 3/31/2000	MW-68 9/9/1999	MW-68 3/28/2000	MW-69 9/9/1999	MW-69 4/4/2000	MW-70D 9/10/1999	MW-70D 4/3/2000
N-Nitrosodiphenylamine	130	530		14	10 U		10 U		10 U		10 U		10 U		10 U	
o-Xylene	10000	10000	10000	1200												
Pentachlorophenol	1	1	1	0.17	50 U		50 U		50 U		50 U		50 U		50 U	
Phenanthrene	1100	1100			10 U		10 U		10 U		10 U		10 U		10 U	
Phenol	2000	2000		11000	20 U		20 U		20 U		20 U		20 U		20 U	
Pyrene	130	130		1100	10 U		10 U		10 U		10 U		10 U		10 U	
SVOC Library Search					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 2.4-4
Groundwater Data Summary - SVOC Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-70S 9/10/1999	MW-70S 4/3/2000	MW-71D 9/10/1999	MW-71D Dup 9/10/1999	MW-71D 4/5/2000	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 5/9/2008
Semi Volatile Organic Compound																
1,2,2,4-Tetrachlorobutane																
1,2,3-Trimethylbenzene																
1,2,4,5-Tetramethylbenzene																
1,2,4-Trichlorobenzene	70	70	70	2.3	10 U		10 U	10 U		10 U		10 U		10 U		9.5 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dichlorobenzene	600	600	600	370	10 U	2 U	10 U	10 U	2 U	10 U	2 U	10 U	2 U	10 U	2 U	9.5 U
1,3-Dichlorobenzene	600	600														9.5 U
1,3-Diethylbenzene																
1,4-Dichlorobenzene	75	75	75	0.43	10 U	2 U	10 U	10 U	2 U	10 U	2 U	10 U	2 U	10 U	2 U	9.5 U
1-Ethyl-2,4-Dimethylbenzene																
1-Ethyl-2-Methylbenzene																
1-Ethyl-3-Methylbenzene																
1-Ethyl-4-Methylbenzene																
1-Methylcyclohexanol																
1-Methylcyclopentanol																
2,2-Dimethyl-Aziridine																
2,3-Bis(Methylene)Bicyclo(3.2.1)Octane																
2,3-Dihydro-1-Methylindene																
2,3-Dihydroinden-1-One																
2,4,5-Trichlorophenol	3700	10000		3700	10 U		10 U	10 U		10 U		10 U		10 U		9.5 U
2,4,6-Trichlorophenol	37	100		6.1	10 U		10 U	10 U		10 U		10 U		10 U		9.5 U
2,4-Dichlorophenol	20	20		110	20 U		20 U	20 U		20 U		20 U		20 U		9.5 U
2,4-Dimethylphenol	730	2000		730	10 U		10 U	10 U		10 U		10 U		10 U		9.5 U
2,4-Dinitrophenol	73	200		73	50 U		50 U	50 U		50 U		50 U		50 U		48 U
2,4-Dinitrotoluene	2.1	8.4		0.22	50 U		50 U	50 U		50 U		50 U		50 U		9.5 U
2,6-Dinitrotoluene	37	100		37	50 U		50 U	50 U		50 U		50 U		50 U		9.5 U
2-Chloronaphthalene	2900	8200		2900	10 U		10 U	10 U		10 U		10 U		10 U		9.5 U
2-Chlorophenol	40	40		180	10 U		10 U	10 U		10 U		10 U		10 U		9.5 U
2-Ethyl-1,3-Dimethylbenzene																
2-Methyl-2-Hexanol																
2-Methyl-2-Pentanol																
2-Methylbutane																
2-Methylnaphthalene	150	410		150	10 U		10 U	10 U		10 U		10 U		10 U		9.5 U
2-Methylphenol	1800	5100		1800	10 U		10 U	10 U		10 U		10 U		10 U		9.5 U
2-Nitroaniline	110	310		370	50 U		50 U	50 U		50 U		50 U		50 U		48 U
2-Nitrophenol	290	820			20 U		20 U	20 U		20 U		20 U		20 U		9.5 U
3,3'-Dichlorobenzidine	1.5	5.8		0.15	50 U		50 U	50 U		50 U		50 U		50 U		48 U
3/4-Methylphenol				180	20 U		20 U	20 U		20 U		20 U		20 U		9.5 U
3-Methyl-3-Hexanol																
3-Methyl-3-Pentanol																
3-Nitroaniline	11	31			20 U		20 U	20 U		20 U		20 U		20 U		48 U
4,6-Dinitro-2-Methylphenol	3.7	10		2.9	50 U		50 U	50 U		50 U		50 U		50 U		48 U
4-Bromophenyl phenyl ether					10 U		10 U	10 U		10 U		10 U		10 U		9.5 U
4-Chloro-3-Methyl-Phenol	180	510		3700	20 U		20 U	20 U		20 U		20 U		20 U		9.5 U
4-Chloroaniline	3.3	13		0.34	10 U		10 U	10 U		10 U		10 U		10 U		9.5 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 2.4-4
Groundwater Data Summary - SVOC Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-70S 9/10/1999	MW-70S 4/3/2000	MW-71D 9/10/1999	MW-71D Dup 9/10/1999	MW-71D 4/5/2000	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 5/9/2008
4-Chlorodiphenyl Ether					10 U		10 U	10 U		10 U		10 U		10 U		9.5 U
4-Ethyl-1,2-Dimethylbenzene																
4-Nitroaniline	33	130		3.4	50 U		50 U	50 U		50 U		50 U		50 U		48 U
4-Nitrophenol	60	60			50 U		50 U	50 U		50 U		50 U		50 U		48 U
Acenaphthene	2200	3800		2200	10 U		10 U	10 U		10 U		10 U		10 U		9.5 U
Acenaphthylene	2200	6100		2200	10 U		10 U	10 U		10 U		10 U		10 U		9.5 U
Alpha-Methylstyrene	2600	7200		2600												
Anthracene	66	66		11000	10 U		10 U	10 U		10 U		10 U		10 U		9.5 U
Benzene, (2-Methyl-1-Propenyl)																
Benzidine	0.00093	0.011		0.000094												
Benzo (A) Anthracene	0.29	3.6	0.2	0.029	10 U		10 U	10 U		10 U		10 U		10 U		9.5 U
Benzo (a) Pyrene	0.2	0.2	0.2	0.0029	10 U		10 U	10 U		10 U		10 U		10 U		9.5 U
Benzo (b) Fluoranthene	0.29	1.2		0.029	10 U		10 U	10 U		10 U		10 U		10 U		9.5 U
Benzo (b) Thiophene																
Benzo (g,h,i) Perylene	0.26	0.26			10 U		10 U	10 U		10 U		10 U		10 U		9.5 U
Benzo (k) Fluoranthene	0.55	0.55		0.29	10 U		10 U	10 U		10 U		10 U		10 U		9.5 U
Benzofuran																
Bis(2-Chloroethoxy) Methane	110	310		110	10 U		10 U	10 U		10 U		10 U		10 U		9.5 U
Bis(2-Chloroethyl) Ether	0.15	0.76		0.012	10 U		10 U	10 U		10 U		10 U		10 U		9.5 U
Bis(2-Chloroisopropyl) Ether	300	300		0.32	10 U		10 U	10 U		10 U		10 U		10 U		9.5 U
Bis(2-Ethylhexyl) Phthalate	6	6	6	4.8	10 U		10 U	10 U		10 U		10 U		10 U		9.5 U
Butylbenzylphthalate	350	1400		35	50 U		50 U	50 U		50 U		50 U		50 U		9.5 U
Carbazole	33	130			10 U		10 U	10 U		10 U		10 U		10 U		9.5 U
Chrysene	1.9	1.9		2.9	10 U		10 U	10 U		10 U		10 U		10 U		9.5 U
Cyclohexane	13000	53000		13000												
Dibenzo (a,h) Anthracene	0.029	0.36		0.0029	20 U		20 U	20 U		20 U		20 U		20 U		9.5 U
Dibenzofuran	37	100		37	10 U		10 U	10 U		10 U		10 U		10 U		9.5 U
Diethylphthalate	29000	82000		29000	10 U		10 U	10 U		10 U		10 U		10 U		9.5 U
Dimethylphthalate					10 U		10 U	10 U		10 U		10 U		10 U		9.5 U
Di-n-Butylphthalate	3700	10000		3700	10 U		10 U	10 U		10 U		10 U		10 U		9.5 U
Di-n-octylphthalate	1500	3000			10 U		10 U	10 U		10 U		10 U		10 U		9.5 U
Fluoranthene	260	260		1500	10 U		10 U	10 U		10 U		10 U		10 U		9.5 U
Fluorene	1500	1900		1500	10 U		10 U	10 U		10 U		10 U		10 U		9.5 U
Hexachlorobenzene	1	1	1	0.042	20 U		20 U	20 U		20 U		20 U		20 U		9.5 U
Hexachlorobutadiene	8.5	33		0.86	20 U		20 U	20 U		20 U		20 U		20 U		9.5 U
Hexachlorocyclopentadiene	50	50	50	220	50 U		50 U	50 U		50 U		50 U		50 U		48 U
Hexachloroethane	1	1		4.8	50 U		50 U	50 U		50 U		50 U		50 U		9.5 U
Indane																
Indeno (1,2,3-cd) Pyrene	0.29	3.6		0.029	20 U		20 U	20 U		20 U		20 U		20 U		9.5 U
Isobutylene																
Isophorone	100	100		71	10 U		10 U	10 U		10 U		10 U		10 U		9.5 U
Methylcycloheptane								2 J								
Naphthalene	100	100		0.14	10 U		10 U	10 U		10 U		10 U		10 U		9.5 U
Nitrobenzene	73	200		0.12	10 U		10 U	10 U		10 U		10 U		10 U		9.5 U
N-Nitrosodimethylamine	0.0014	0.018		0.00042												
N-Nitrosodi-N-Propylamine	0.094	0.37		0.0096	10 U		10 U	10 U		10 U		10 U		10 U		9.5 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 2.4-4
Groundwater Data Summary - SVOC Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-70S 9/10/1999	MW-70S 4/3/2000	MW-71D 9/10/1999	MW-71D Dup 9/10/1999	MW-71D 4/5/2000	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 5/9/2008
N-Nitrosodiphenylamine	130	530		14	10 U		10 U	10 U		10 U		10 U		10 U		9.5 U
o-Xylene	10000	10000	10000	1200												
Pentachlorophenol	1	1	1	0.17	50 U		50 U	50 U		50 U		50 U		50 U		48 U
Phenanthrene	1100	1100			10 U		10 U	10 U		10 U		10 U		10 U		9.5 U
Phenol	2000	2000		11000	20 U		20 U	20 U		20 U		20 U		20 U		9.5 U
Pyrene	130	130		1100	10 U		10 U	10 U		10 U		10 U		10 U		9.5 U
SVOC Library Search					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 2.4-4
Groundwater Data Summary - SVOC Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-74S 9/15/1999	MW-74S 4/3/2000	MW-75D 9/17/1999	MW-75D 4/7/2000	MW-75D 4/15/2004	MW-75S 9/17/1999	MW-75S 4/7/2000	MW-75S 4/15/2004	MW-75S 5/21/2008	MW-76 9/14/1999	MW-76 3/28/2000	MW-77 9/10/1999
Semi Volatile Organic Compound																
1,2,2,4-Tetrachlorobutane																
1,2,3-Trimethylbenzene																13 J
1,2,4,5-Tetramethylbenzene																6 J
1,2,4-Trichlorobenzene	70	70	70	2.3	10 U		10 U		1 U	10 U		1 U	9.5 U	10 U		10 U
1,2,4-Trimethylbenzene	15	62		15												17 J
1,2-Dichlorobenzene	600	600	600	370	10 U	2 U	10 U	20 U	10 U	10 U	20 U	10 U	9.5 U	10 U	2 U	10 U
1,3-Dichlorobenzene	600	600							10 U			10 U	9.5 U			
1,3-Diethylbenzene																6 J
1,4-Dichlorobenzene	75	75	75	0.43	10 U	2 U	10 U	20 U	10 U	10 U	20 U	10 U	9.5 U	10 U	2 U	10 U
1-Ethyl-2,4-Dimethylbenzene																8 J
1-Ethyl-2-Methylbenzene																17 J
1-Ethyl-3-Methylbenzene																25 J
1-Ethyl-4-Methylbenzene																40 J
1-Methylcyclohexanol																32 J
1-Methylcyclopentanol																81 J
2,2-Dimethyl-Aziridine																95 J
2,3-Bis(Methylene)Bicyclo(3.2.1)Octane																19 J
2,3-Dihydro-1-Methylindene																7 J
2,3-Dihydroinden-1-One																11 J
2,4,5-Trichlorophenol	3700	10000		3700	10 U		10 U			10 U			9.5 U	10 U		10 U
2,4,6-Trichlorophenol	37	100		6.1	10 U		10 U		10 U	10 U		10 U	9.5 U	10 U		10 U
2,4-Dichlorophenol	20	20		110	20 U		20 U		10 U	20 U		10 U	9.5 U	20 U		20 U
2,4-Dimethylphenol	730	2000		730	10 U		10 U		10 U	10 U		10 U	9.5 U	10 U		10 U
2,4-Dinitrophenol	73	200		73	50 U		50 U		41 U	50 U		40 U	48 U	50 U		50 U
2,4-Dinitrotoluene	2.1	8.4		0.22	50 U		50 U		2.1 U	50 U		2 U	9.5 U	50 U		50 U
2,6-Dinitrotoluene	37	100		37	50 U		50 U		2.1 U	50 U		2 U	9.5 U	50 U		50 U
2-Chloronaphthalene	2900	8200		2900	10 U		10 U		10 U	10 U		10 U	9.5 U	10 U		10 U
2-Chlorophenol	40	40		180	10 U		10 U		10 U	10 U		10 U	9.5 U	10 U		10 U
2-Ethyl-1,3-Dimethylbenzene																8 J
2-Methyl-2-Hexanol																32 J
2-Methyl-2-Pentanol																130 J
2-Methylbutane																34 J
2-Methylnaphthalene	150	410		150	10 U		10 U			10 U			9.5 U	10 U		10 U
2-Methylphenol	1800	5100		1800	10 U		10 U			10 U			9.5 U	10 U		10 U
2-Nitroaniline	110	310		370	50 U		50 U			50 U			48 U	50 U		50 U
2-Nitrophenol	290	820			20 U		20 U		10 U	20 U		10 U	9.5 U	20 U		20 U
3,3'-Dichlorobenzidine	1.5	5.8		0.15	50 U		50 U		21 U	50 U		20 U	48 U	50 U		50 U
3/4-Methylphenol				180	20 U		20 U			20 U			9.5 U	20 U		20 U
3-Methyl-3-Hexanol																85 J
3-Methyl-3-Pentanol																120 J
3-Nitroaniline	11	31			20 U		20 U			20 U			48 U	20 U		20 U
4,6-Dinitro-2-Methylphenol	3.7	10		2.9	50 U		50 U		41 U	50 U		40 U	48 U	50 U		50 U
4-Bromophenyl phenyl ether					10 U		10 U		10 U	10 U		10 U	9.5 U	10 U		10 U
4-Chloro-3-Methyl-Phenol	180	510		3700	20 U		20 U		10 U	20 U		10 U	9.5 U	20 U		20 U
4-Chloroaniline	3.3	13		0.34	10 U		10 U			10 U			9.5 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 2.4-4
Groundwater Data Summary - SVOC Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-74S 9/15/1999	MW-74S 4/3/2000	MW-75D 9/17/1999	MW-75D 4/7/2000	MW-75D 4/15/2004	MW-75S 9/17/1999	MW-75S 4/7/2000	MW-75S 4/15/2004	MW-75S 5/21/2008	MW-76 9/14/1999	MW-76 3/28/2000	MW-77 9/10/1999
4-Chlorodiphenyl Ether					10 U		10 U		10 U	10 U		10 U	9.5 U	10 U		10 U
4-Ethyl-1,2-Dimethylbenzene																10 J
4-Nitroaniline	33	130		3.4	50 U		50 U			50 U			48 U	50 U		50 U
4-Nitrophenol	60	60			50 U		50 U		41 U	50 U		40 U	48 U	50 U		50 U
Acenaphthene	2200	3800		2200	10 U		10 U		10 U	10 U		10 U	9.5 U	10 U		10 U
Acenaphthylene	2200	6100		2200	10 U		10 U		10 U	10 U		10 U	9.5 U	10 U		10 U
Alpha-Methylstyrene	2600	7200		2600												14 J
Anthracene	66	66		11000	10 U		10 U		10 U	10 U		10 U	9.5 U	10 U		10 U
Benzene, (2-Methyl-1-Propenyl)																5 J
Benzidine	0.00093	0.011		0.000094					41 U			40 U				
Benzo (A) Anthracene	0.29	3.6	0.2	0.029	10 U		10 U		1 U	10 U		1 U	9.5 U	10 U		10 U
Benzo (a) Pyrene	0.2	0.2	0.2	0.0029	10 U		10 U		1 U	10 U		1 U	9.5 U	10 U		10 U
Benzo (b) Fluoranthene	0.29	1.2		0.029	10 U		10 U		1 U	10 U		1 U	9.5 U	10 U		10 U
Benzo (b) Thiophene																10 J
Benzo (g,h,i) Perylene	0.26	0.26			10 U		10 U		10 U	10 U		10 U	9.5 U	10 U		10 U
Benzo (k) Fluoranthene	0.55	0.55		0.29	10 U		10 U		1 U	10 U		1 U	9.5 U	10 U		10 U
Benzofuran																7 J
Bis(2-Chloroethoxy) Methane	110	310		110	10 U		10 U		10 U	10 U		10 U	9.5 U	10 U		10 U
Bis(2-Chloroethyl) Ether	0.15	0.76		0.012	10 U		10 U		1 U	10 U		1 U	9.5 U	10 U		10 U
Bis(2-Chloroisopropyl) Ether	300	300		0.32	10 U		10 U		10 U	10 U		10 U	9.5 U	10 U		10 U
Bis(2-Ethylhexyl) Phthalate	6	6	6	4.8	10 U		10 U		2.5 J	10 U		6.8 JB	9.5 U	10 U		8
Butylbenzylphthalate	350	1400		35	50 U		50 U		10 U	50 U		10 U	9.5 U	50 U		50 U
Carbazole	33	130			10 U		10 U			10 U			9.5 U	10 U		10 U
Chrysene	1.9	1.9		2.9	10 U		10 U		10 U	10 U		10 U	9.5 U	10 U		10 U
Cyclohexane	13000	53000		13000												48 J
Dibenzo (a,h) Anthracene	0.029	0.36		0.0029	20 U		20 U		1 U	20 U		1 U	9.5 U	20 U		20 U
Dibenzofuran	37	100		37	10 U		10 U			10 U			9.5 U	10 U		10 U
Diethylphthalate	29000	82000		29000	10 U		10 U		10 U	10 U		10 U	9.5 U	10 U		10 U
Dimethylphthalate					10 U		10 U		10 U	10 U		10 U	9.5 U	10 U		10 U
Di-n-Butylphthalate	3700	10000		3700	10 U		10 U		10 U	10 U		10 U	9.5 U	10 U		10 U
Di-n-octylphthalate	1500	3000			10 U		10 U		10 U	10 U		10 U	9.5 U	10 U		10 U
Fluoranthene	260	260		1500	10 U		10 U		10 U	10 U		10 U	9.5 U	10 U		10 U
Fluorene	1500	1900		1500	10 U		10 U		10 U	10 U		10 U	9.5 U	10 U		10 U
Hexachlorobenzene	1	1	1	0.042	20 U		20 U		1 U	20 U		1 U	9.5 U	20 U		20 U
Hexachlorobutadiene	8.5	33		0.86	20 U		20 U		2.1 U	20 U		2 U	9.5 U	20 U		20 U
Hexachlorocyclopentadiene	50	50	50	220	50 U		50 U		10 U	50 U		10 U	48 U	50 U		50 U
Hexachloroethane	1	1		4.8	50 U		50 U		1 U	50 U		1 U	9.5 U	50 U		50 U
Indane																4 J
Indeno (1,2,3-cd) Pyrene	0.29	3.6		0.029	20 U		20 U		1 U	20 U		1 U	9.5 U	20 U		20 U
Isobutylene																64 J
Isophorone	100	100		71	10 U		10 U		10 U	10 U		10 U	9.5 U	10 U		10 U
Methylcycloheptane																
Naphthalene	100	100		0.14	10 U		10 U		10 U	10 U		10 U	9.5 U	10 U		120
Nitrobenzene	73	200		0.12	10 U		10 U		1 U	10 U		1 U	9.5 U	10 U		10 U
N-Nitrosodimethylamine	0.0014	0.018		0.00042					10 U			10 U				
N-Nitrosodi-N-Propylamine	0.094	0.37		0.0096	10 U		10 U		1 U	10 U		1 U	9.5 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 2.4-4
Groundwater Data Summary - SVOC Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA MSC Used Aquifer R (ug/L)	PA MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-74S 9/15/1999	MW-74S 4/3/2000	MW-75D 9/17/1999	MW-75D 4/7/2000	MW-75D 4/15/2004	MW-75S 9/17/1999	MW-75S 4/7/2000	MW-75S 4/15/2004	MW-75S 5/21/2008	MW-76 9/14/1999	MW-76 3/28/2000	MW-77 9/10/1999
N-Nitrosodiphenylamine	130	530		14	10 U		10 U		10 U	10 U		10 U	9.5 U	10 U		10 U
o-Xylene	10000	10000	10000	1200												77 J
Pentachlorophenol	1	1	1	0.17	50 U		50 U		41 U	50 U		40 U	48 U	50 U		50 U
Phenanthrene	1100	1100			10 U		10 U		10 U	10 U		10 U	9.5 U	10 U		10 U
Phenol	2000	2000		11000	20 U		20 U		10 U	20 U		10 U	9.5 U	20 U		20 U
Pyrene	130	130		1100	10 U		10 U		10 U	10 U		10 U	9.5 U	10 U		10 U
SVOC Library Search					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 2.4-4
Groundwater Data Summary - SVOC Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA 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 3/24/2000	MW-78 9/9/1999	MW-78 3/22/2000	MW-79 9/13/1999	MW-79 3/23/2000	MW-80 9/10/1999	MW-80 3/28/2000	MW-81D 9/13/1999	MW-81D 4/4/2000	MW-81S 9/13/1999	MW-81S 4/4/2000	MW-82 9/10/1999
Semi Volatile Organic Compound																
1,2,2,4-Tetrachlorobutane																
1,2,3-Trimethylbenzene																
1,2,4,5-Tetramethylbenzene																
1,2,4-Trichlorobenzene	70	70	70	2.3		10 U		10 U		10 U		10 U		10 U		10 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dichlorobenzene	600	600	600	370	2 U	10 U	2 U	10 U	2 U	10 U	2 U	10 U	20 U	10 U	20 U	10 U
1,3-Dichlorobenzene	600	600														
1,3-Diethylbenzene																
1,4-Dichlorobenzene	75	75	75	0.43	2 U	10 U	2 U	10 U	2 U	10 U	2 U	10 U	20 U	10 U	20 U	10 U
1-Ethyl-2,4-Dimethylbenzene																
1-Ethyl-2-Methylbenzene																
1-Ethyl-3-Methylbenzene																
1-Ethyl-4-Methylbenzene																
1-Methylcyclohexanol																
1-Methylcyclopentanol																
2,2-Dimethyl-Aziridine																
2,3-Bis(Methylene)Bicyclo(3.2.1)Octane																
2,3-Dihydro-1-Methylindene																
2,3-Dihydroinden-1-One																
2,4,5-Trichlorophenol	3700	10000		3700		10 U		10 U		10 U		10 U		10 U		10 U
2,4,6-Trichlorophenol	37	100		6.1		10 U		10 U		10 U		10 U		10 U		10 U
2,4-Dichlorophenol	20	20		110		20 U		20 U		20 U		20 U		20 U		20 U
2,4-Dimethylphenol	730	2000		730		10 U		10 U		10 U		10 U		10 U		10 U
2,4-Dinitrophenol	73	200		73		50 U		50 U		50 U		50 U		50 U		50 U
2,4-Dinitrotoluene	2.1	8.4		0.22		50 U		50 U		50 U		50 U		50 U		50 U
2,6-Dinitrotoluene	37	100		37		50 U		50 U		50 U		50 U		50 U		50 U
2-Chloronaphthalene	2900	8200		2900		10 U		10 U		10 U		10 U		10 U		10 U
2-Chlorophenol	40	40		180		10 U		10 U		10 U		10 U		10 U		10 U
2-Ethyl-1,3-Dimethylbenzene																
2-Methyl-2-Hexanol																
2-Methyl-2-Pentanol																
2-Methylbutane																
2-Methylnaphthalene	150	410		150		10 U		10 U		10 U		10 U		10 U		10 U
2-Methylphenol	1800	5100		1800		10 U		10 U		10 U		10 U		10 U		10 U
2-Nitroaniline	110	310		370		50 U		50 U		50 U		50 U		50 U		50 U
2-Nitrophenol	290	820				20 U		20 U		20 U		20 U		20 U		20 U
3,3'-Dichlorobenzidine	1.5	5.8		0.15		50 U		50 U		50 U		50 U		50 U		50 U
3/4-Methylphenol				180		20 U		20 U		20 U		20 U		20 U		20 U
3-Methyl-3-Hexanol																
3-Methyl-3-Pentanol																
3-Nitroaniline	11	31				20 U		20 U		20 U		20 U		20 U		20 U
4,6-Dinitro-2-Methylphenol	3.7	10		2.9		50 U		50 U		50 U		50 U		50 U		50 U
4-Bromophenyl phenyl ether						10 U		10 U		10 U		10 U		10 U		10 U
4-Chloro-3-Methyl-Phenol	180	510		3700		20 U		20 U		20 U		20 U		20 U		20 U
4-Chloroaniline	3.3	13		0.34		10 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 2.4-4
Groundwater Data Summary - SVOC Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA 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 3/24/2000	MW-78 9/9/1999	MW-78 3/22/2000	MW-79 9/13/1999	MW-79 3/23/2000	MW-80 9/10/1999	MW-80 3/28/2000	MW-81D 9/13/1999	MW-81D 4/4/2000	MW-81S 9/13/1999	MW-81S 4/4/2000	MW-82 9/10/1999
4-Chlorodiphenyl Ether						10 U		10 U		10 U		10 U		10 U		10 U
4-Ethyl-1,2-Dimethylbenzene																
4-Nitroaniline	33	130		3.4		50 U		50 U		50 U		50 U		50 U		50 U
4-Nitrophenol	60	60				50 U		50 U		50 U		50 U		50 U		50 U
Acenaphthene	2200	3800		2200		10 U		10 U		10 U		10 U		10 U		10 U
Acenaphthylene	2200	6100		2200		10 U		10 U		10 U		10 U		10 U		10 U
Alpha-Methylstyrene	2600	7200		2600												
Anthracene	66	66		11000		10 U		10 U		10 U		10 U		10 U		10 U
Benzene, (2-Methyl-1-Propenyl)																
Benzidine	0.00093	0.011		0.000094												
Benzo (A) Anthracene	0.29	3.6	0.2	0.029		10 U		10 U		10 U		10 U		10 U		10 U
Benzo (a) Pyrene	0.2	0.2	0.2	0.0029		10 U		10 U		10 U		10 U		10 U		10 U
Benzo (b) Fluoranthene	0.29	1.2		0.029		10 U		10 U		10 U		10 U		10 U		10 U
Benzo (b) Thiophene																
Benzo (g,h,i) Perylene	0.26	0.26				10 U		10 U		10 U		10 U		10 U		10 U
Benzo (k) Fluoranthene	0.55	0.55		0.29		10 U		10 U		10 U		10 U		10 U		10 U
Benzofuran																
Bis(2-Chloroethoxy) Methane	110	310		110		10 U		10 U		10 U		10 U		10 U		10 U
Bis(2-Chloroethyl) Ether	0.15	0.76		0.012		10 U		10 U		10 U		10 U		10 U		10 U
Bis(2-Chloroisopropyl) Ether	300	300		0.32		10 U		10 U		10 U		10 U		10 U		10 U
Bis(2-Ethylhexyl) Phthalate	6	6	6	4.8		15		10 U		10 U		10 U		10 U		9
Butylbenzylphthalate	350	1400		35		50 U		50 U		50 U		50 U		50 U		50 U
Carbazole	33	130				10 U		10 U		10 U		10 U		10 U		10 U
Chrysene	1.9	1.9		2.9		10 U		10 U		10 U		10 U		10 U		10 U
Cyclohexane	13000	53000		13000												
Dibenzo (a,h) Anthracene	0.029	0.36		0.0029		20 U		20 U		20 U		20 U		20 U		20 U
Dibenzofuran	37	100		37		10 U		10 U		10 U		10 U		10 U		10 U
Diethylphthalate	29000	82000		29000		10 U		10 U		10 U		10 U		10 U		10 U
Dimethylphthalate						10 U		10 U		10 U		10 U		10 U		10 U
Di-n-Butylphthalate	3700	10000		3700		10 U		10 U		10 U		10 U		10 U		10 U
Di-n-octylphthalate	1500	3000				10 U		10 U		10 U		10 U		10 U		10 U
Fluoranthene	260	260		1500		10 U		10 U		10 U		10 U		10 U		10 U
Fluorene	1500	1900		1500		10 U		10 U		10 U		10 U		10 U		10 U
Hexachlorobenzene	1	1	1	0.042		20 U		20 U		20 U		20 U		20 U		20 U
Hexachlorobutadiene	8.5	33		0.86		20 U		20 U		20 U		20 U		20 U		20 U
Hexachlorocyclopentadiene	50	50	50	220		50 U		50 U		50 U		50 U		50 U		50 U
Hexachloroethane	1	1		4.8		50 U		50 U		50 U		50 U		50 U		50 U
Indane																
Indeno (1,2,3-cd) Pyrene	0.29	3.6		0.029		20 U		20 U		20 U		20 U		20 U		20 U
Isobutylene																
Isophorone	100	100		71		10 U		10 U		10 U		10 U		10 U		10 U
Methylcycloheptane																
Naphthalene	100	100		0.14		10 U		10 U		10 U		10 U		10 U		10 U
Nitrobenzene	73	200		0.12		10 U		10 U		10 U		10 U		10 U		10 U
N-Nitrosodimethylamine	0.0014	0.018		0.00042												
N-Nitrosodi-N-Propylamine	0.094	0.37		0.0096		10 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 2.4-4
Groundwater Data Summary - SVOC Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA 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 3/24/2000	MW-78 9/9/1999	MW-78 3/22/2000	MW-79 9/13/1999	MW-79 3/23/2000	MW-80 9/10/1999	MW-80 3/28/2000	MW-81D 9/13/1999	MW-81D 4/4/2000	MW-81S 9/13/1999	MW-81S 4/4/2000	MW-82 9/10/1999
N-Nitrosodiphenylamine	130	530		14		10 U		10 U		10 U		10 U		10 U		10 U
o-Xylene	10000	10000	10000	1200												
Pentachlorophenol	1	1	1	0.17		50 U		50 U		50 U		50 U		50 U		50 U
Phenanthrene	1100	1100				10 U		10 U		10 U		10 U		10 U		10 U
Phenol	2000	2000		11000		20 U		20 U		20 U		20 U		20 U		20 U
Pyrene	130	130		1100		10 U		10 U		10 U		10 U		10 U		10 U
SVOC Library Search						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 2.4-4
Groundwater Data Summary - SVOC Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA 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-83 9/13/1999	MW-83 3/22/2000	MW-84 9/9/1999	MW-84 3/30/2000	MW-85 4/11/2000	MW-86D 9/7/1999	MW-86D 4/3/2000	MW-86S 9/7/1999	MW-86S 3/31/2000	MW-87 9/17/1999	MW-87 4/4/2000
Semi Volatile Organic Compound																
1,2,2,4-Tetrachlorobutane																
1,2,3-Trimethylbenzene																
1,2,4,5-Tetramethylbenzene																
1,2,4-Trichlorobenzene	70	70	70	2.3		10 U		10 U		10 U	10 U		10 U		10 U	
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dichlorobenzene	600	600	600	370	2 U	10 U	2 U	10 U	2 U	10 U	10 U	20 U	10 U	2 U	10 U	20 U
1,3-Dichlorobenzene	600	600														
1,3-Diethylbenzene																
1,4-Dichlorobenzene	75	75	75	0.43	2 U	10 U	2 U	10 U	2 U	10 U	10 U	20 U	10 U	2 U	10 U	20 U
1-Ethyl-2,4-Dimethylbenzene																
1-Ethyl-2-Methylbenzene																
1-Ethyl-3-Methylbenzene																
1-Ethyl-4-Methylbenzene																
1-Methylcyclohexanol																
1-Methylcyclopentanol																
2,2-Dimethyl-Aziridine																
2,3-Bis(Methylene)Bicyclo(3.2.1)Octane																
2,3-Dihydro-1-Methylindene																
2,3-Dihydroinden-1-One																
2,4,5-Trichlorophenol	3700	10000		3700		10 U		10 U		10 U	10 U		10 U		10 U	
2,4,6-Trichlorophenol	37	100		6.1		10 U		10 U		10 U	10 U		10 U		10 U	
2,4-Dichlorophenol	20	20		110		20 U		20 U		20 U	20 U		20 U		20 U	
2,4-Dimethylphenol	730	2000		730		10 U		10 U		10 U	10 U		10 U		10 U	
2,4-Dinitrophenol	73	200		73		50 U		50 U		50 U	50 U		50 U		50 U	
2,4-Dinitrotoluene	2.1	8.4		0.22		50 U		50 U		50 U	50 U		50 U		50 U	
2,6-Dinitrotoluene	37	100		37		50 U		50 U		50 U	50 U		50 U		50 U	
2-Chloronaphthalene	2900	8200		2900		10 U		10 U		10 U	10 U		10 U		10 U	
2-Chlorophenol	40	40		180		10 U		10 U		10 U	10 U		10 U		10 U	
2-Ethyl-1,3-Dimethylbenzene																
2-Methyl-2-Hexanol																
2-Methyl-2-Pentanol																
2-Methylbutane																
2-Methylnaphthalene	150	410		150		10 U		10 U		10 U	10 U		10 U		10 U	
2-Methylphenol	1800	5100		1800		10 U		10 U		10 U	10 U		10 U		10 U	
2-Nitroaniline	110	310		370		50 U		50 U		50 U	50 U		50 U		50 U	
2-Nitrophenol	290	820				20 U		20 U		20 U	20 U		20 U		20 U	
3,3'-Dichlorobenzidine	1.5	5.8		0.15		50 U		50 U		50 U	50 U		50 U		50 U	
3/4-Methylphenol				180		20 U		20 U		20 U	20 U		20 U		20 U	
3-Methyl-3-Hexanol																
3-Methyl-3-Pentanol																
3-Nitroaniline	11	31				20 U		20 U		20 U	20 U		20 U		20 U	
4,6-Dinitro-2-Methylphenol	3.7	10		2.9		50 U		50 U		50 U	50 U		50 U		50 U	
4-Bromophenyl phenyl ether						10 U		10 U		10 U	10 U		10 U		10 U	
4-Chloro-3-Methyl-Phenol	180	510		3700		20 U		20 U		20 U	20 U		20 U		20 U	
4-Chloroaniline	3.3	13		0.34		10 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 2.4-4
Groundwater Data Summary - SVOC Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA 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-83 9/13/1999	MW-83 3/22/2000	MW-84 9/9/1999	MW-84 3/30/2000	MW-85 4/11/2000	MW-86D 9/7/1999	MW-86D 4/3/2000	MW-86S 9/7/1999	MW-86S 3/31/2000	MW-87 9/17/1999	MW-87 4/4/2000
4-Chlorodiphenyl Ether						10 U		10 U		10 U	10 U		10 U		10 U	
4-Ethyl-1,2-Dimethylbenzene																
4-Nitroaniline	33	130		3.4		50 U		50 U		50 U	50 U		50 U		50 U	
4-Nitrophenol	60	60				50 U		50 U		50 U	50 U		50 U		50 U	
Acenaphthene	2200	3800		2200		10 U		10 U		10 U	10 U		10 U		10 U	
Acenaphthylene	2200	6100		2200		10 U		10 U		10 U	10 U		10 U		10 U	
Alpha-Methylstyrene	2600	7200		2600												
Anthracene	66	66		11000		10 U		10 U		10 U	10 U		10 U		10 U	
Benzene, (2-Methyl-1-Propenyl)																
Benzidine	0.00093	0.011		0.000094												
Benzo (A) Anthracene	0.29	3.6	0.2	0.029		10 U		10 U		10 U	10 U		10 U		10 U	
Benzo (a) Pyrene	0.2	0.2	0.2	0.0029		10 U		10 U		10 U	10 U		10 U		10 U	
Benzo (b) Fluoranthene	0.29	1.2		0.029		10 U		10 U		10 U	10 U		10 U		10 U	
Benzo (b) Thiophene																
Benzo (g,h,i) Perylene	0.26	0.26				10 U		10 U		10 U	10 U		10 U		10 U	
Benzo (k) Fluoranthene	0.55	0.55		0.29		10 U		10 U		10 U	10 U		10 U		10 U	
Benzofuran																
Bis(2-Chloroethoxy) Methane	110	310		110		10 U		10 U		10 U	10 U		10 U		10 U	
Bis(2-Chloroethyl) Ether	0.15	0.76		0.012		10 U		10 U		10 U	10 U		10 U		10 U	
Bis(2-Chloroisopropyl) Ether	300	300		0.32		10 U		10 U		10 U	10 U		10 U		10 U	
Bis(2-Ethylhexyl) Phthalate	6	6	6	4.8		10 U		10 U		10 U	10 U		10 U		10 U	
Butylbenzylphthalate	350	1400		35		50 U		50 U		50 U	50 U		50 U		50 U	
Carbazole	33	130				10 U		10 U		10 U	10 U		10 U		10 U	
Chrysene	1.9	1.9		2.9		10 U		10 U		10 U	10 U		10 U		10 U	
Cyclohexane	13000	53000		13000												
Dibenzo (a,h) Anthracene	0.029	0.36		0.0029		20 U		20 U		20 U	20 U		20 U		20 U	
Dibenzofuran	37	100		37		10 U		10 U		10 U	10 U		10 U		10 U	
Diethylphthalate	29000	82000		29000		10 U		10 U		10 U	10 U		10 U		10 U	
Dimethylphthalate						10 U		10 U		10 U	10 U		10 U		10 U	
Di-n-Butylphthalate	3700	10000		3700		10 U		10 U		10 U	10 U		10 U		10 U	
Di-n-octylphthalate	1500	3000				10 U		10 U		10 U	10 U		10 U		10 U	
Fluoranthene	260	260		1500		10 U		10 U		10 U	10 U		10 U		10 U	
Fluorene	1500	1900		1500		10 U		10 U		10 U	10 U		10 U		10 U	
Hexachlorobenzene	1	1	1	0.042		20 U		20 U		20 U	20 U		20 U		20 U	
Hexachlorobutadiene	8.5	33		0.86		20 U		20 U		20 U	20 U		20 U		20 U	
Hexachlorocyclopentadiene	50	50	50	220		50 U		50 U		50 U	50 U		50 U		50 U	
Hexachloroethane	1	1		4.8		50 U		50 U		50 U	50 U		50 U		50 U	
Indane																
Indeno (1,2,3-cd) Pyrene	0.29	3.6		0.029		20 U		20 U		20 U	20 U		20 U		20 U	
Isobutylene																
Isophorone	100	100		71		10 U		10 U		10 U	10 U		10 U		10 U	
Methylcycloheptane																
Naphthalene	100	100		0.14		10 U		10 U		10 U	10 U		10 U		10 U	
Nitrobenzene	73	200		0.12		10 U		10 U		10 U	10 U		10 U		10 U	
N-Nitrosodimethylamine	0.0014	0.018		0.00042												
N-Nitrosodi-N-Propylamine	0.094	0.37		0.0096		10 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 2.4-4
Groundwater Data Summary - SVOC Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA 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-83 9/13/1999	MW-83 3/22/2000	MW-84 9/9/1999	MW-84 3/30/2000	MW-85 4/11/2000	MW-86D 9/7/1999	MW-86D 4/3/2000	MW-86S 9/7/1999	MW-86S 3/31/2000	MW-87 9/17/1999	MW-87 4/4/2000
N-Nitrosodiphenylamine	130	530		14		10 U		10 U		10 U	10 U		10 U		10 U	
o-Xylene	10000	10000	10000	1200												
Pentachlorophenol	1	1	1	0.17		50 U		50 U		50 U	50 U		50 U		50 U	
Phenanthrene	1100	1100				10 U		10 U		10 U	10 U		10 U		10 U	
Phenol	2000	2000		11000		20 U		20 U		20 U	20 U		20 U		20 U	
Pyrene	130	130		1100		10 U		10 U		10 U	10 U		10 U		10 U	
SVOC Library Search						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 2.4-4
Groundwater Data Summary - SVOC Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA 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 5/15/2008	MW-88 4/10/2000	MW-89 4/11/2000	MW-90 4/11/2000	MW-91 4/10/2000	MW-92 4/10/2000	MW-93D 4/16/2004	MW-93D 4/26/2004	MW-93D Dup 4/26/2004	MW-93S 4/15/2004	MW-93S Dup 4/15/2004
Semi Volatile Organic Compound															
1,2,2,4-Tetrachlorobutane															
1,2,3-Trimethylbenzene															
1,2,4,5-Tetramethylbenzene															
1,2,4-Trichlorobenzene	70	70	70	2.3	9.4 U	10 U	10 U	10 U	10 U	10 U	1.1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	15	62		15											
1,2-Dichlorobenzene	600	600	600	370	9.4 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	600	600			9.4 U						11 U	10 U	10 U	10 U	10 U
1,3-Diethylbenzene															
1,4-Dichlorobenzene	75	75	75	0.43	9.4 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
1-Ethyl-2,4-Dimethylbenzene															
1-Ethyl-2-Methylbenzene															
1-Ethyl-3-Methylbenzene															
1-Ethyl-4-Methylbenzene															
1-Methylcyclohexanol															
1-Methylcyclopentanol															
2,2-Dimethyl-Aziridine															
2,3-Bis(Methylene)Bicyclo(3.2.1)Octane															
2,3-Dihydro-1-Methylindene															
2,3-Dihydroinden-1-One															
2,4,5-Trichlorophenol	3700	10000		3700	9.4 U	10 U	10 U	10 U	10 U	10 U					
2,4,6-Trichlorophenol	37	100		6.1	9.4 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	20	20		110	9.4 U	20 U	20 U	20 U	20 U	20 U	11 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	730	2000		730	9.4 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	73	200		73	47 U	50 U	50 U	50 U	50 U	50 U	42 U	40 U	40 U	40 U	41 U
2,4-Dinitrotoluene	2.1	8.4		0.22	9.4 U	50 U	50 U	50 U	50 U	50 U	2.1 U	2 U	2 U	2 U	2 U
2,6-Dinitrotoluene	37	100		37	9.4 U	50 U	50 U	50 U	50 U	50 U	2.1 U	2 U	2 U	2 U	2 U
2-Chloronaphthalene	2900	8200		2900	9.4 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
2-Chlorophenol	40	40		180	9.4 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
2-Ethyl-1,3-Dimethylbenzene															
2-Methyl-2-Hexanol															
2-Methyl-2-Pentanol															
2-Methylbutane															
2-Methylnaphthalene	150	410		150	9.4 U	10 U	10 U	10 U	10 U	10 U					
2-Methylphenol	1800	5100		1800	9.4 U	10 U	10 U	10 U	10 U	10 U					
2-Nitroaniline	110	310		370	47 U	50 U	50 U	50 U	50 U	50 U					
2-Nitrophenol	290	820			9.4 U	20 U	20 U	20 U	20 U	20 U	11 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	1.5	5.8		0.15	47 U	50 U	50 U	50 U	50 U	50 U	21 U	20 U	20 U	20 U	20 U
3/4-Methylphenol				180	9.4 U	20 U	20 U	20 U	20 U	20 U					
3-Methyl-3-Hexanol															
3-Methyl-3-Pentanol															
3-Nitroaniline	11	31			47 U	20 U	20 U	20 U	20 U	20 U					
4,6-Dinitro-2-Methylphenol	3.7	10		2.9	47 U	50 U	50 U	50 U	50 U	50 U	42 U	40 U	40 U	40 U	41 U
4-Bromophenyl phenyl ether					9.4 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
4-Chloro-3-Methyl-Phenol	180	510		3700	9.4 U	20 U	20 U	20 U	20 U	20 U	11 U	10 U	10 U	10 U	10 U
4-Chloroaniline	3.3	13		0.34	9.4 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 2.4-4
Groundwater Data Summary - SVOC Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA 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 5/15/2008	MW-88 4/10/2000	MW-89 4/11/2000	MW-90 4/11/2000	MW-91 4/10/2000	MW-92 4/10/2000	MW-93D 4/16/2004	MW-93D 4/26/2004	MW-93D Dup 4/26/2004	MW-93S 4/15/2004	MW-93S Dup 4/15/2004
4-Chlorodiphenyl Ether					9.4 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
4-Ethyl-1,2-Dimethylbenzene															
4-Nitroaniline	33	130		3.4	47 U	50 U	50 U	50 U	50 U	50 U					
4-Nitrophenol	60	60			47 U	50 U	50 U	50 U	50 U	50 U	42 U	40 U	40 U	40 U	41 U
Acenaphthene	2200	3800		2200	9.4 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Acenaphthylene	2200	6100		2200	9.4 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Alpha-Methylstyrene	2600	7200		2600											
Anthracene	66	66		11000	9.4 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Benzene, (2-Methyl-1-Propenyl)															
Benzidine	0.00093	0.011		0.000094							42 U	40 U	40 U	40 U	41 U
Benzo (A) Anthracene	0.29	3.6	0.2	0.029	9.4 U	10 U	10 U	10 U	10 U	10 U	1.1 U	1 U	1 U	1 U	1 U
Benzo (a) Pyrene	0.2	0.2	0.2	0.0029	9.4 U	10 U	10 U	10 U	10 U	10 U	1.1 U	1 U	1 U	1 U	1 U
Benzo (b) Fluoranthene	0.29	1.2		0.029	9.4 U	10 U	10 U	10 U	10 U	10 U	1.1 U	1 U	1 U	1 U	1 U
Benzo (b) Thiophene															
Benzo (g,h,i) Perylene	0.26	0.26			9.4 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Benzo (k) Fluoranthene	0.55	0.55		0.29	9.4 U	10 U	10 U	10 U	10 U	10 U	1.1 U	1 U	1 U	1 U	1 U
Benzofuran															
Bis(2-Chloroethoxy) Methane	110	310		110	9.4 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Bis(2-Chloroethyl) Ether	0.15	0.76		0.012	9.4 U	10 U	10 U	10 U	10 U	10 U	1.1 U	1 U	1 U	1 U	1 U
Bis(2-Chloroisopropyl) Ether	300	300		0.32	9.4 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Bis(2-Ethylhexyl) Phthalate	6	6	6	4.8	9.4 U	10 U	10 U	10 U	10 U	10 U	6.3 J	6.1 J	7.3 J	10 U	10 U
Butylbenzylphthalate	350	1400		35	9.4 U	50 U	50 U	50 U	50 U	50 U	11 U	10 U	10 U	10 U	10 U
Carbazole	33	130			9.4 U	10 U	10 U	10 U	10 U	10 U					
Chrysene	1.9	1.9		2.9	9.4 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Cyclohexane	13000	53000		13000											
Dibenzo (a,h) Anthracene	0.029	0.36		0.0029	9.4 U	20 U	20 U	20 U	20 U	20 U	1.1 U	1 U	1 U	1 U	1 U
Dibenzofuran	37	100		37	9.4 U	10 U	10 U	10 U	10 U	10 U					
Diethylphthalate	29000	82000		29000	9.4 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Dimethylphthalate					9.4 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Di-n-Butylphthalate	3700	10000		3700	9.4 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	1500	3000			9.4 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Fluoranthene	260	260		1500	9.4 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Fluorene	1500	1900		1500	9.4 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	1	1	1	0.042	9.4 U	20 U	20 U	20 U	20 U	20 U	1.1 U	1 U	1 U	1 U	1 U
Hexachlorobutadiene	8.5	33		0.86	9.4 U	20 U	20 U	20 U	20 U	20 U	2.1 U	2 U	2 U	2 U	2 U
Hexachlorocyclopentadiene	50	50	50	220	47 U	50 U	50 U	50 U	50 U	50 U	11 U	10 U	10 U	10 U	10 U
Hexachloroethane	1	1		4.8	9.4 U	50 U	50 U	50 U	50 U	50 U	1.1 U	1 U	1 U	1 U	1 U
Indane															
Indeno (1,2,3-cd) Pyrene	0.29	3.6		0.029	9.4 U	20 U	20 U	20 U	20 U	20 U	1.1 U	1 U	1 U	1 U	1 U
Isobutylene															
Isophorone	100	100		71	9.4 U	10 U	10 U	10 U	10 U	10 U	4.8 J	10 U	10 U	10 U	10 U
Methylcycloheptane															
Naphthalene	100	100		0.14	9.4 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Nitrobenzene	73	200		0.12	9.4 U	10 U	10 U	10 U	10 U	10 U	1.1 U	1 U	1 U	1 U	1 U
N-Nitrosodimethylamine	0.0014	0.018		0.00042							11 U	10 U	10 U	10 U	10 U
N-Nitrosodi-N-Propylamine	0.094	0.37		0.0096	9.4 U	10 U	10 U	10 U	10 U	10 U	1.1 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 2.4-4
Groundwater Data Summary - SVOC Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA 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 5/15/2008	MW-88 4/10/2000	MW-89 4/11/2000	MW-90 4/11/2000	MW-91 4/10/2000	MW-92 4/10/2000	MW-93D 4/16/2004	MW-93D 4/26/2004	MW-93D Dup 4/26/2004	MW-93S 4/15/2004	MW-93S Dup 4/15/2004
N-Nitrosodiphenylamine	130	530		14	9.4 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
o-Xylene	10000	10000	10000	1200											
Pentachlorophenol	1	1	1	0.17	47 U	50 U	50 U	50 U	50 U	50 U	42 U	40 U	40 U	40 U	41 U
Phenanthrene	1100	1100			9.4 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Phenol	2000	2000		11000	9.4 U	20 U	20 U	20 U	20 U	20 U	11 U	10 U	10 U	10 U	10 U
Pyrene	130	130		1100	9.4 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
SVOC Library Search						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 2.4-4
Groundwater Data Summary - SVOC Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA 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 4/26/2004	MW-113 10/25/2007	MW-116 6/10/2008	MW-116 9/3/2008	MW-117 2/26/2009	CW-8 5/6/2008	CW-8 9/11/2008	CW-9 4/16/2004	CW-12 3/29/2000	CW-12A 3/30/2000	CW-15 9/1/1999	CW-15 4/10/2000
Semi Volatile Organic Compound																
1,2,2,4-Tetrachlorobutane															29 J	
1,2,3-Trimethylbenzene																
1,2,4,5-Tetramethylbenzene																
1,2,4-Trichlorobenzene	70	70	70	2.3	1 U	10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U	1 U				
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dichlorobenzene	600	600	600	370	10 U	10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U	10 U	2 U	2 U		20 U
1,3-Dichlorobenzene	600	600			10 U	10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U	10 U				
1,3-Diethylbenzene																
1,4-Dichlorobenzene	75	75	75	0.43	10 U	10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U	10 U	2 U	2 U		20 U
1-Ethyl-2,4-Dimethylbenzene																
1-Ethyl-2-Methylbenzene																
1-Ethyl-3-Methylbenzene																
1-Ethyl-4-Methylbenzene																
1-Methylcyclohexanol																
1-Methylcyclopentanol																
2,2-Dimethyl-Aziridine																
2,3-Bis(Methylene)Bicyclo(3.2.1)Octane																
2,3-Dihydro-1-Methylindene																
2,3-Dihydroinden-1-One																
2,4,5-Trichlorophenol	3700	10000		3700		10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U					
2,4,6-Trichlorophenol	37	100		6.1	10 U	10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U	10 U				
2,4-Dichlorophenol	20	20		110	10 U	10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U	10 U				
2,4-Dimethylphenol	730	2000		730	10 U	10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U	10 U				
2,4-Dinitrophenol	73	200		73	40 U	50 U	48 U	48 U	48 U	47 U	48 U	40 U				
2,4-Dinitrotoluene	2.1	8.4		0.22	2 U	10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U	2 U				
2,6-Dinitrotoluene	37	100		37	2 U	10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U	2 U				
2-Chloronaphthalene	2900	8200		2900	10 U	10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U	10 U				
2-Chlorophenol	40	40		180	10 U	10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U	10 U				
2-Ethyl-1,3-Dimethylbenzene																
2-Methyl-2-Hexanol																
2-Methyl-2-Pentanol																
2-Methylbutane																
2-Methylnaphthalene	150	410		150		10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U					
2-Methylphenol	1800	5100		1800		10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U					
2-Nitroaniline	110	310		370		50 U	48 U	48 U	48 U	47 U	48 U					
2-Nitrophenol	290	820			10 U	10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U	10 U				
3,3'-Dichlorobenzidine	1.5	5.8		0.15	20 U	50 U	48 U	48 U	48 U	47 U	48 U	20 U				
3/4-Methylphenol				180		10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U					
3-Methyl-3-Hexanol																
3-Methyl-3-Pentanol																
3-Nitroaniline	11	31				50 U	48 U	48 U	48 U	47 U	48 U					
4,6-Dinitro-2-Methylphenol	3.7	10		2.9	40 U	50 U	48 U	48 U	48 U	47 U	48 U	40 U				
4-Bromophenyl phenyl ether					10 U	10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U	10 U				
4-Chloro-3-Methyl-Phenol	180	510		3700	10 U	10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U	10 U				
4-Chloroaniline	3.3	13		0.34		10 U	9.5 U	0.53 J	9.7 U	9.4 U	9.6 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 2.4-4
Groundwater Data Summary - SVOC Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA 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 4/26/2004	MW-113 10/25/2007	MW-116 6/10/2008	MW-116 9/3/2008	MW-117 2/26/2009	CW-8 5/6/2008	CW-8 9/11/2008	CW-9 4/16/2004	CW-12 3/29/2000	CW-12A 3/30/2000	CW-15 9/1/1999	CW-15 4/10/2000
4-Chlorodiphenyl Ether					10 U	10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U	10 U				
4-Ethyl-1,2-Dimethylbenzene																
4-Nitroaniline	33	130		3.4		50 U	48 U	48 U	48 U	47 U	48 U					
4-Nitrophenol	60	60			40 U	50 U	48 U	48 U	48 U	47 U	48 U	40 U				
Acenaphthene	2200	3800		2200	10 U	10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U	10 U				
Acenaphthylene	2200	6100		2200	10 U	10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U	10 U				
Alpha-Methylstyrene	2600	7200		2600												
Anthracene	66	66		11000	10 U	10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U	10 U				
Benzene, (2-Methyl-1-Propenyl)																
Benzidine	0.00093	0.011		0.000094	40 U							40 U				
Benzo (A) Anthracene	0.29	3.6	0.2	0.029	1 U	10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U	1 U				
Benzo (a) Pyrene	0.2	0.2	0.2	0.0029	1 U	10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U	1 U				
Benzo (b) Fluoranthene	0.29	1.2		0.029	1 U	10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U	1 U				
Benzo (b) Thiophene																
Benzo (g,h,i) Perylene	0.26	0.26			10 U	10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U	10 U				
Benzo (k) Fluoranthene	0.55	0.55		0.29	1 U	10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U	1 U				
Benzofuran																
Bis(2-Chloroethoxy) Methane	110	310		110	10 U	10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U	10 U				
Bis(2-Chloroethyl) Ether	0.15	0.76		0.012	1 U	10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U	1 U				
Bis(2-Chloroisopropyl) Ether	300	300		0.32	10 U	10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U	10 U				
Bis(2-Ethylhexyl) Phthalate	6	6	6	4.8	2.4 J	6.6 J	2.1 J	9.6 U	9.7 U	10	9.6 U	10 U				
Butylbenzylphthalate	350	1400		35	10 U	10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U	10 U				
Carbazole	33	130				10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U					
Chrysene	1.9	1.9		2.9	10 U	10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U	10 U				
Cyclohexane	13000	53000		13000												
Dibenzo (a,h) Anthracene	0.029	0.36		0.0029	1 U	10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U	1 U				
Dibenzofuran	37	100		37		10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U					
Diethylphthalate	29000	82000		29000	10 U	10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U	10 U				
Dimethylphthalate					10 U	10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U	10 U				
Di-n-Butylphthalate	3700	10000		3700	10 U	10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U	10 U				
Di-n-octylphthalate	1500	3000			10 U	10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U	10 U				
Fluoranthene	260	260		1500	10 U	10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U	10 U				
Fluorene	1500	1900		1500	10 U	10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U	10 U				
Hexachlorobenzene	1	1	1	0.042	1 U	10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U	1 U				
Hexachlorobutadiene	8.5	33		0.86	2 U	10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U	2 U				
Hexachlorocyclopentadiene	50	50	50	220	10 U	50 U	48 U	48 U	48 U	47 U	48 U	10 U				
Hexachloroethane	1	1		4.8	1 U	10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U	1 U				
Indane																
Indeno (1,2,3-cd) Pyrene	0.29	3.6		0.029	1 U	10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U	1 U				
Isobutylene																
Isophorone	100	100		71	10 U	10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U	10 U				
Methylcycloheptane																
Naphthalene	100	100		0.14	10 U	10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U	10 U				
Nitrobenzene	73	200		0.12	1 U	10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U	1 U				
N-Nitrosodimethylamine	0.0014	0.018		0.00042	10 U							10 U				
N-Nitrosodi-N-Propylamine	0.094	0.37		0.0096	1 U	10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 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 2.4-4
Groundwater Data Summary - SVOC Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	PA 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 4/26/2004	MW-113 10/25/2007	MW-116 6/10/2008	MW-116 9/3/2008	MW-117 2/26/2009	CW-8 5/6/2008	CW-8 9/11/2008	CW-9 4/16/2004	CW-12 3/29/2000	CW-12A 3/30/2000	CW-15 9/1/1999	CW-15 4/10/2000
N-Nitrosodiphenylamine	130	530		14	10 U	10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U	10 U				
o-Xylene	10000	10000	10000	1200												
Pentachlorophenol	1	1	1	0.17	40 U	50 U	48 U	48 U	48 U	47 U	48 U	40 U				
Phenanthrene	1100	1100			10 U	10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U	10 U				
Phenol	2000	2000		11000	10 U	0.34 J	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U	10 U				
Pyrene	130	130		1100	10 U	10 U	9.5 U	9.6 U	9.7 U	9.4 U	9.6 U	10 U				
SVOC Library Search																

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

Table 2.4-4
Groundwater Data Summary - SVOC Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	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 5/6/2008	CW-15A 10/9/2008	RW-2 7/30/1999	RW-2 3/30/2000	RW-5 7/30/1999	RW-5 3/31/2000	B41S-SW-009 2/8/2008
Semi Volatile Organic Compound											
1,2,2,4-Tetrachlorobutane											
1,2,3-Trimethylbenzene											
1,2,4,5-Tetramethylbenzene											
1,2,4-Trichlorobenzene	70	70	70	2.3	9.4 U	9.4 U					100 U
1,2,4-Trimethylbenzene	15	62		15							
1,2-Dichlorobenzene	600	600	600	370	9.4 U	9.4 U	2 U	2 U	2 U	2 U	28 J
1,3-Dichlorobenzene	600	600			9.4 U	9.4 U					100 U
1,3-Diethylbenzene											
1,4-Dichlorobenzene	75	75	75	0.43	9.4 U	9.4 U	2 U	2 U	2 U	2 U	100 U
1-Ethyl-2,4-Dimethylbenzene											
1-Ethyl-2-Methylbenzene											
1-Ethyl-3-Methylbenzene											
1-Ethyl-4-Methylbenzene											
1-Methylcyclohexanol											
1-Methylcyclopentanol											
2,2-Dimethyl-Aziridine											
2,3-Bis(Methylene)Bicyclo(3.2.1)Octane											
2,3-Dihydro-1-Methylindene											
2,3-Dihydroinden-1-One											
2,4,5-Trichlorophenol	3700	10000		3700	9.4 U	9.4 U					100 U
2,4,6-Trichlorophenol	37	100		6.1	9.4 U	9.4 U					100 U
2,4-Dichlorophenol	20	20		110	9.4 U	9.4 U					100 U
2,4-Dimethylphenol	730	2000		730	9.4 U	9.4 U					100 U
2,4-Dinitrophenol	73	200		73	47 U	47 U					500 U
2,4-Dinitrotoluene	2.1	8.4		0.22	9.4 U	9.4 U					100 U
2,6-Dinitrotoluene	37	100		37	9.4 U	9.4 U					100 U
2-Chloronaphthalene	2900	8200		2900	9.4 U	9.4 U					100 U
2-Chlorophenol	40	40		180	9.4 U	9.4 U					100 U
2-Ethyl-1,3-Dimethylbenzene											
2-Methyl-2-Hexanol											
2-Methyl-2-Pentanol											
2-Methylbutane											
2-Methylnaphthalene	150	410		150	9.4 U	9.4 U					100 U
2-Methylphenol	1800	5100		1800	9.4 U	9.4 U					100 U
2-Nitroaniline	110	310		370	47 U	47 U					500 U
2-Nitrophenol	290	820			9.4 U	9.4 U					100 U
3,3'-Dichlorobenzidine	1.5	5.8		0.15	47 U	47 U					500 U
3/4-Methylphenol				180	9.4 U	9.4 U					150
3-Methyl-3-Hexanol											
3-Methyl-3-Pentanol											
3-Nitroaniline	11	31			47 U	47 U					500 U
4,6-Dinitro-2-Methylphenol	3.7	10		2.9	47 U	47 U					500 U
4-Bromophenyl phenyl ether					9.4 U	9.4 U					100 U
4-Chloro-3-Methyl-Phenol	180	510		3700	9.4 U	9.4 U					12 J
4-Chloroaniline	3.3	13		0.34	9.4 U	9.4 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 2.4-4
Groundwater Data Summary - SVOC Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	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 5/6/2008	CW-15A 10/9/2008	RW-2 7/30/1999	RW-2 3/30/2000	RW-5 7/30/1999	RW-5 3/31/2000	B41S-SW-009 2/8/2008
4-Chlorodiphenyl Ether					9.4 U	9.4 U					100 U
4-Ethyl-1,2-Dimethylbenzene											
4-Nitroaniline	33	130		3.4	47 U	47 U					500 U
4-Nitrophenol	60	60			47 U	47 U					500 U
Acenaphthene	2200	3800		2200	9.4 U	9.4 U					100 U
Acenaphthylene	2200	6100		2200	9.4 U	9.4 U					100 U
Alpha-Methylstyrene	2600	7200		2600							
Anthracene	66	66		11000	9.4 U	9.4 U					100 U
Benzene, (2-Methyl-1-Propenyl)											
Benzidine	0.00093	0.011		0.000094							
Benzo (A) Anthracene	0.29	3.6	0.2	0.029	9.4 U	9.4 U					100 U
Benzo (a) Pyrene	0.2	0.2	0.2	0.0029	9.4 U	9.4 U					100 U
Benzo (b) Fluoranthene	0.29	1.2		0.029	9.4 U	9.4 U					100 U
Benzo (b) Thiophene											
Benzo (g,h,i) Perylene	0.26	0.26			9.4 U	9.4 U					100 U
Benzo (k) Fluoranthene	0.55	0.55		0.29	9.4 U	9.4 U					100 U
Benzofuran											
Bis(2-Chloroethoxy) Methane	110	310		110	9.4 U	9.4 U					100 U
Bis(2-Chloroethyl) Ether	0.15	0.76		0.012	9.4 U	9.4 U					100 U
Bis(2-Chloroisopropyl) Ether	300	300		0.32	9.4 U	9.4 U					100 U
Bis(2-Ethylhexyl) Phthalate	6	6	6	4.8	9 J	9.4 U					140
Butylbenzylphthalate	350	1400		35	9.4 U	9.4 U					100 U
Carbazole	33	130			9.4 U	9.4 U					100 U
Chrysene	1.9	1.9		2.9	9.4 U	9.4 U					100 U
Cyclohexane	13000	53000		13000							
Dibenzo (a,h) Anthracene	0.029	0.36		0.0029	9.4 U	9.4 U					100 U
Dibenzofuran	37	100		37	9.4 U	9.4 U					100 U
Diethylphthalate	29000	82000		29000	9.4 U	9.4 U					100 U
Dimethylphthalate					9.4 U	9.4 U					100 U
Di-n-Butylphthalate	3700	10000		3700	9.4 U	9.4 U					11 J
Di-n-octylphthalate	1500	3000			9.4 U	9.4 U					100 U
Fluoranthene	260	260		1500	9.4 U	9.4 U					100 U
Fluorene	1500	1900		1500	9.4 U	9.4 U					100 U
Hexachlorobenzene	1	1	1	0.042	9.4 U	9.4 U					100 U
Hexachlorobutadiene	8.5	33		0.86	9.4 U	9.4 U					100 U
Hexachlorocyclopentadiene	50	50	50	220	47 U	47 U					500 U
Hexachloroethane	1	1		4.8	9.4 U	9.4 U					100 U
Indane											
Indeno (1,2,3-cd) Pyrene	0.29	3.6		0.029	9.4 U	9.4 U					100 U
Isobutylene											
Isophorone	100	100		71	9.4 U	9.4 U					100 U
Methylcycloheptane											
Naphthalene	100	100		0.14	9.4 U	9.4 U					100 U
Nitrobenzene	73	200		0.12	9.4 U	9.4 U					100 U
N-Nitrosodimethylamine	0.0014	0.018		0.00042							
N-Nitrosodi-N-Propylamine	0.094	0.37		0.0096	9.4 U	9.4 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 2.4-4
Groundwater Data Summary - SVOC Analyses
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	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 5/6/2008	CW-15A 10/9/2008	RW-2 7/30/1999	RW-2 3/30/2000	RW-5 7/30/1999	RW-5 3/31/2000	B41S-SW-009 2/8/2008
N-Nitrosodiphenylamine	130	530		14	9.4 U	9.4 U					100 U
o-Xylene	10000	10000	10000	1200							
Pentachlorophenol	1	1	1	0.17	1.7 J	47 U					500 U
Phenanthrene	1100	1100			9.4 U	9.4 U					100 U
Phenol	2000	2000		11000	9.4 U	9.4 U					940
Pyrene	130	130		1100	9.4 U	9.4 U					100 U
SVOC Library Search											

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