Addendum #6, to
Field Sampling Plan for Part 2 of the Supplemental Groundwater Remedial Investigation
Former York Naval Ordnance Plant
1425 Eden Road, Springettsbury Township
York, Pennsylvania

Prepared for Harley-Davidson Motor Company Operations, Inc.
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Northern Property Boundary Area (NPBA) Extraction System Monitored Shutdown

Section 4.3.4 of the Field Sampling Plan (FSP) for Part 2 of the Supplemental Groundwater Remedial Investigation (GW RI Part 2) (GSC, April 2012) describes the program for evaluating the need for continued operation of the groundwater extraction system in the NPBA at the former York Naval Ordnance Plant (fYNOP). **Figure 1** shows the locations of the extraction wells in the NPBA and other nearby wells. Pumping of domestic wells north of the former York Naval Ordnance Plant (fYNOP) ceased many years ago in most of the wells and a few years ago in the last active well (RW-4). Site related chemicals of concern (COCs) found in some of these off-Site wells may have been drawn to these wells by their pumping for domestic water supplies. Since the domestic wells are no longer operating as potable water supplies, and as a result of the operation of the NPBA groundwater extraction wells, these off-Site former residential wells have shown water quality improvements. Section 4.2.1 of Supplemental Remedial Investigation Groundwater Report (Part 1) (GSC, September 2011) provides details regarding the groundwater extraction system in the NPBA and historical chemistry results from wells in that area. The nine extraction wells at the NPBA produce a combined recovery of approximately 12.5 gallons per minute of groundwater.

The shutdown test described in this addendum has been designed to evaluate whether groundwater would naturally migrate northward from the NPBA to the off-site properties if the groundwater extraction system was deactivated. The test will be used to determine the vertical and lateral groundwater gradients under non-pumping conditions, and to assess the potential for rebound of elevated COC concentrations in the NPBA and off-Site to the north. These

observations will be used to make decisions regarding the need for continued operation or modification of the groundwater extraction system in the NPBA.

Two nested well pairs, MW-142 S&D and MW-143 S&D were installed along the northern property boundary in September 2012 as part of the GW RI Part 2 investigation. These wells were sampled, along with MW-18 S&D and three surface water locations from the streambed west of MW-18 S&D. Analytical results are shown on **Table 1**. Chemistry results are also provided in plan view on **Figure 2** and in cross sectional view on **Plate 1**. COCs were either undetected (surface water samples and MW-143D), below regulatory limits (MW-142 S&D), or detected at estimated concentrations below the PADEP residential MSCs for groundwater and at or just above the EPA Regional Screening Level (RSL) for tap water (for tetrachloroethene and trichloroethene at MW-143S). Annual sampling in 2010 and 2011 of residential wells RW-2, RW-4 Folk, and the Tate (S-6) spring, located north and northwest of the site property boundary, exhibited undetected or very low estimated concentrations of COCs below the residential MSC (see Table 1). The Herman (S-7) spring, located west of the site property boundary was sampled most recently in 2010 and no COCs were detected at that time.

Recent groundwater samples (February 2013) from MW-18 S&D contained elevated concentrations of trichlorethene (TCE) at 210 micrograms per liter (µg/l) and 1000 µg/l, respectively; and cis-1,2-dichloroethene (cis-1,2DCE) at 79 µg/l and 340 µg/l, respectively. The TCE and cis-1,2-DCE concentrations are similar to concentrations detected in groundwater samples collected in previous sampling events for these monitoring wells. Concentrations of vinyl chloride were also detected at estimated concentrations below the laboratory detection limit. This recent testing suggests that under the current pumping conditions, the high concentrations of COCs in the groundwater at MW-18 S&D is not migrating offsite and is not discharging to the surface. Therefore, there is sufficient information to proceed with the shutdown test.

The plan for the monitored shut down consists of the following tasks.

1. Install a weather station on Site to compare precipitation amounts to changes in groundwater levels during the test. The Davis Instruments wireless Vantage Pro2 weather station will be located at the groundwater treatment building area and will measure precipitation, humidity, wind speed and direction. This station will be used

during a number of Phase 3 Testing and Monitoring tasks outlined in the Field Sampling Plan (FSP).

2. Gain access to sample and measure water levels in: residential wells RW-2, and RW-4 Folk; and springs Tate (S-6) and Herman (S-7), if possible, and verify their operational status. Due to previous refusals to allow access, the property owners of RW-3 will not be contacted.
3. Survey off-site wells and monitoring locations for location and reference elevation.
4. Install continuous water level recorders in Site extraction and monitoring wells CW-4, CW-5, MW-9, MW-12, MW-16 S&D, MW-18 S&D, MW-142 S&D, MW-143 S&D, and if access is granted, in residential wells RW-2 and Folk (RW-4).
5. Establish the following well locations for manual water level measurements in the wells listed in Item 3 above, plus the following wells during the test: CW-1, CW-1A, CW-2, CW-3, CW-6, CW-7, CW-7A, MW-10, MW-11, and MW-20 S, M&D.
6. Establish monitoring points at springs Tate (S-6) and Herman (S-7) using a GPS unit and photographic documentation. The monitoring points will be marked with a stake for reference and staff gauges will be installed.
7. The continuous water recorders will be activated, and rounds of manual water levels will be performed weekly in the wells listed under tasks 2 and 3 for two to four weeks while the extraction system continues to operate normally, with the exception of RW-2 and RW-4, which will be monitored on a lesser frequency, to be worked out with the property owner. Consideration will be given to installing a continuous recorder that can be accessed remotely to minimize disturbing the property owner.
8. Prior to shutting off the extraction system, approximately 27 locations will be sampled for COCs: wells RW-2, RW-4 Folk, MW-9, MW-11, MW-20 S,M&D, MW-12, MW-16 S&D, MW-18 S&D, MW-142 S&D, MW-143 S&D and springs Tate (S-6), and Herman (S-7), and groundwater extraction wells CW-1, CW-1A, CW-2, CW-3, CW-4, CW-5, CW-6, CW-7, and CW-7A.
9. The pumping wells will be deactivated. Manual rounds of water levels will be completed shortly before deactivation, then weekly after deactivation for six weeks, excepting RW-2 and RW-4, as discussed above. Flow from the springs will be observed and documented using photographs, and staff gauge measurements will be recorded.

10. Water levels will be recorded after eight weeks of deactivation to determine groundwater flow patterns and the 27 locations will be re-sampled for Site COCs to determine if any chemical rebound effects have occurred.
11. An interim analysis of data collected at eight weeks will be compiled, and adjustments to the program will be recommended, if necessary. A recommendation will be made to either reactivate the extraction wells or to continue the monitored shutdown.
12. If data analysis suggests the extraction system or portions of the extraction system should be reactivated, a monitored start-up program would be developed to collect drawdown data.
13. If groundwater level data indicate that groundwater is not migrating off-Site to the north or northwest and COC concentrations have not significantly rebounded, then a plan will be developed for interim monitoring in this area to continue for two years, after which time a long-term monitoring plan would be developed and implemented. It is expected that the interim monitoring plan would consist of monthly or quarterly water levels collected manually, with a subset of the 27 locations to be sampled for Site COCs at six month intervals for two years.

References

GSC, 2011. Supplemental Remedial Investigation Groundwater Report (Part 1) Former York Naval Ordnance Plant, September.

GSC, 2012. Field Sampling Plan (FSP) for Part 2 of the Supplemental Groundwater Remedial Investigation, April.

Prepared by:

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Table 1
Groundwater Data Summary
Former York Naval Ordnance Plant - York, PA

Parameter / Location/ID / Sample Date	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-9 12/4/1986	MW-9 4/15/1987	MW-9 6/16/2005	MW-9 5/9/2008	MW-11 5/26/1987	MW-11 10/31/1990	MW-11 2/6/1991	MW-11 4/25/1991
TOTAL VOC												
					161	318	338.2	188.64	1102	431	282	352
Volatile Organic Compound												
1,1,1,2-Tetrachloroethane	70	70		0.52				5 U				
1,1,1-Trichloroethane	200	200	200	9100	1 U	1 U	10 U	5 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	2 U	5 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	1 U	6 U	5 U	10 U	5 U	1 U	5 U
1,1,2-Trichlorofluoromethane	2000	2000		1300								
1,1,2-Trichlorotrifluoroethane	63000	170000		59000		1			1 U	1 U	1 U	1 U
1,1-Dichloroethane	31	160		2.4	1 U	1 U	10 U	5 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	1 U	1 U	4 U	5 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065				5 U				
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	4 U	5 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330								
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	2 U	5 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	600	600										
1,3-Dichloropropene	6.6	26		0.43								
1,4-Dioxane	6.4	32		0.67			2000 U	1000 U				
2-Butanone	4000	4000		7100			10 U	50 U				
2-Chloroethyl Vinyl Ether					10 U	10 U	10 U		10 U	10 U	10 U	10 U
2-Hexanone	11	44		47				50 U				
4-Methyl-2-Pentanone	2900	8200		2000				50 U				
Acetone	33000	92000		22000				50 U				
Acrolein	0.042	0.18		0.042			200 U					
Acrylonitrile	0.72	3.7		0.045			100 U	100 U				
Benzene	5	5	5	0.41	2 U	2 U	2 U	5 U	2 U	2 U	10 U	10 U
Bromochloromethane	90	90						5 U				
Bromodichloromethane	80	80		0.12			2 U	5 U				
Bromoform	80	80		8.5	2 U	2 U	8 U	5 U	2 U	2 U	2 U	2 U
Bromomethane	10	10		8.7	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U
Carbon Disulfide	1500	6200		1000				5 U				
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	4 U	5 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	91	1 U	1 U	10 U	5 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	2 U	2 U	10 U	5 U	20 U	10 U	2 U	10 U
Chloroethane	230	900		21000	1 U	1 U	10 U	5 U	1 U	1 U	1 U	1 U
Chloroform	80	80		0.19	1 U	1 U	10 U	5 U	1 U	1 U	1 U	1 U
Chloromethane	30	30		190	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	73	1	2	69	32	1 U	2 U	1 U	1 U
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	10 U	5 U	1 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	1 U	1 U	8 U	0.34 J	1 U	1 U	1 U	1 U
Methyl tert-butyl ether	20	20		12				5 U				
Methylene chloride	5	5		4.8	2 U	2 U	6 U	1.8 J	5 U	2 U	2 U	2 U
Styrene	100	100	100	1600				5 U				
Tetrachloroethene	5	5	5	0.11	1 U	1 U	0.9 J	2.2 J	2	1	2	2
Toluene	1000	1000	1000	2300	2 U	2 U	10 U	5 U	2 U	2 U	2 U	2 U
trans-1,2-Dichloroethene	100	100	100	110			10 U	5 U				
trans-1,3-Dichloropropene	6.6	26		0.43			10 U	5 U				
Trichloroethene	5	5	5	2	160	315	260	150	1100	430	280	350
Vinyl Acetate	420	1800		410								
Vinyl Chloride	2	2	2	0.016	1 U	1 U	8.3 J	2.3 J	1 U	1 U	1 U	1 U
VOC Library Search												
Xylenes (Total)	10000	10000	10000	200				15 U				

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

Table 1
Groundwater Data Summary
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-11 6/16/2005	MW-11 4/24/2008	MW-12 5/26/1987	MW-12 10/31/1990	MW-12 2/6/1991	MW-12 4/25/1991	MW-12 1/29/1992	MW-12 6/22/1993
TOTAL VOC												
					9.2	5.58	1041	3008	581	599	980	326
Volatile Organic Compound												
1,1,1,2-Tetrachloroethane	70	70		0.52		1 U						
1,1,1-Trichloroethane	200	200	200	9100	5 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U
1,1,2-Trichloroethane	5	5	5	0.24	3 U	1 U	10 U	60 U	5 U	5 U	1 U	2 U
1,1,2-Trichlorofluoromethane	2000	2000		1300								
1,1,2-Trichlorotrifluoroethane	63000	170000		59000			1 U	1 U	1 U	1 U	1 U	
1,1-Dichloroethane	31	160		2.4	5 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
1,1-Dichloroethene	7	7	7	340	2 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065		1 U						
1,2-Dichloroethane	5	5	5	0.15	2 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
1,2-Dichloroethene	70	70	70	330								
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
1,3-Dichlorobenzene	600	600										
1,3-Dichloropropene	6.6	26		0.43								
1,4-Dioxane	6.4	32		0.67	1000 U	200 U						
2-Butanone	4000	4000		7100	5 U	10 U						
2-Chloroethyl Vinyl Ether					5 U		10 U	10 U	10 U	10 U	10 U	20 U
2-Hexanone	11	44		47		10 U						
4-Methyl-2-Pentanone	2900	8200		2000		10 U						
Acetone	33000	92000		22000		10 U						
Acrolein	0.042	0.18		0.042	100 U							
Acrylonitrile	0.72	3.7		0.045	50 U	20 U						
Benzene	5	5	5	0.41	1 U	1 U	20 U	5 U	25 U	10 U	20 U	2 U
Bromochloromethane	90	90				1 U						
Bromodichloromethane	80	80		0.12	1 U	1 U						
Bromoform	80	80		8.5	4 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U
Bromomethane	10	10		8.7	5 U	1 U	5 U	5 U	5 U	5 U	5 U	
Carbon Disulfide	1500	6200		1000		1 U						
Carbon Tetrachloride	5	5	5	0.44	2 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
Chlorobenzene	100	100	100	91	5 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
Chlorodibromomethane	80	80		0.15	5 U	1 U	20 U	60 U	10 U	10 U	20 U	2 U
Chloroethane	230	900		21000	5 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U
Chloroform	80	80		0.19	5 U	0.37 J	1 U	5 U	1 U	1 U	1 U	2 U
Chloromethane	30	30		190	5 U	1 U	5 U	5 U	5 U	5 U	5 U	
cis-1,2-Dichloroethene	70	70	70	73	5 U	1 U	36	190	32	29	75	24
cis-1,3-Dichloropropene	6.6	26		0.43	5 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
Ethylbenzene	700	700	700	1.5	4 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
Methyl tert-butyl ether	20	20		12		1 U						
Methylene chloride	5	5		4.8	3 U	1 U	2 U	2 U	2 U	2 U	2 U	4 U
Styrene	100	100	100	1600		1 U						
Tetrachloroethene	5	5	5	0.11	0.8 J	0.31 J	5	18	9	7	5	2
Toluene	1000	1000	1000	2300	5 U	1 U	2 U	2 U	2 U	3	2 U	2 U
trans-1,2-Dichloroethene	100	100	100	110	5 U	1 U						2 U
trans-1,3-Dichloropropene	6.6	26		0.43	5 U	1 U						
Trichloroethene	5	5	5	2	8.4	4.9	1000	2800	540	560	900	300
Vinyl Acetate	420	1800		410								
Vinyl Chloride	2	2	2	0.016	5 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U
VOC Library Search												
Xylenes (Total)	10000	10000	10000	200		3 U						

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

Table 1
Groundwater Data Summary
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-12 7/14/1994	MW-12 7/14/1994	MW-12 10/11/1995	MW-12 7/18/1996	MW-12 10/23/1997	MW-12 12/8/1998	MW-12 9/20/1999	MW-12 4/3/2000
TOTAL VOC												
					220	220	387	310	325	124	160	99.1
Volatile Organic Compound												
1,1,1,2-Tetrachloroethane	70	70		0.52								
1,1,1-Trichloroethane	200	200	200	9100				10 U	0 U	0 U	5 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067				10 U			5 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24				10 U	0 U	0 U	5 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300								1 U
1,1,2-Trichlorotrifluoroethane	63000	170000		59000								
1,1-Dichloroethane	31	160		2.4				10 U	0 U	0 U	5 U	1 U
1,1-Dichloroethene	7	7	7	340				10 U	0 U	0 U	5 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065								
1,2-Dichloroethane	5	5	5	0.15				10 U	0 U	0 U	5 U	1 U
1,2-Dichloroethene	70	70	70	330							9	
1,2-Dichloropropane	5	5	5	0.39				10 U			5 U	1 U
1,3-Dichlorobenzene	600	600										2 U
1,3-Dichloropropene	6.6	26		0.43								
1,4-Dioxane	6.4	32		0.67								
2-Butanone	4000	4000		7100				200 U			100 U	
2-Chloroethyl Vinyl Ether								100 U				1 U
2-Hexanone	11	44		47				100 U			100 U	
4-Methyl-2-Pentanone	2900	8200		2000				100 U			50 U	
Acetone	33000	92000		22000				200 U	0 U	0 U	100 U	
Acrolein	0.042	0.18		0.042								
Acrylonitrile	0.72	3.7		0.045								
Benzene	5	5	5	0.41				10 U	0 U	0 U	5 U	
Bromochloromethane	90	90										
Bromodichloromethane	80	80		0.12				10 U	0 U	0 U	5 U	1 U
Bromoform	80	80		8.5				10 U			5 U	1 U
Bromomethane	10	10		8.7				20 U			5 U	2 U
Carbon Disulfide	1500	6200		1000				10 U	0 U	0 U	50 U	
Carbon Tetrachloride	5	5	5	0.44				10 U	0 U	0 U	5 U	1 U
Chlorobenzene	100	100	100	91				10 U	0 U	0 U	5 U	2 U
Chlorodibromomethane	80	80		0.15				10 U			5 U	1 U
Chloroethane	230	900		21000				20 U	0 U	0 U	5 U	2 U
Chloroform	80	80		0.19				10 U	0 U	0 U	5 U	1 U
Chloromethane	30	30		190				20 U			5 U	
cis-1,2-Dichloroethene	70	70	70	73				10		14		0 U
cis-1,3-Dichloropropene	6.6	26		0.43				10 U			5 U	1 U
Ethylbenzene	700	700	700	1.5				10 U	0 U	0 U	5 U	
Methyl tert-butyl ether	20	20		12								
Methylene chloride	5	5		4.8				20 U	0 U	0 U	5 U	1 U
Styrene	100	100	100	1600				10 U			5 U	
Tetrachloroethene	5	5	5	0.11				10 U	5	0 U	11	3.1
Toluene	1000	1000	1000	2300				10 U	0 U	0 U	5 U	
trans-1,2-Dichloroethene	100	100	100	110			27	10 U	0 U	0 U		1 U
trans-1,3-Dichloropropene	6.6	26		0.43				10 U			5 U	1 U
Trichloroethene	5	5	5	2	220	220	360	300	320	110	140	96
Vinyl Acetate	420	1800		410				100 U				
Vinyl Chloride	2	2	2	0.016				20 U	0 U	0 U	5 U	1 U
VOC Library Search											0 U	
Xylenes (Total)	10000	10000	10000	200				50 U	0 U	0 U	5 U	

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

Table 1
Groundwater Data Summary
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-12 6/20/2001	MW-12 6/18/2002	MW-12 6/4/2003	MW-12 6/8/2004	MW-12 6/16/2005	MW-12 6/23/2006	MW-12 6/28/2007	MW-12 5/6/2008
TOTAL VOC												
					516.8	345.2	182.4	222.3	213.2	207.2	155.3	59.4
Volatile Organic Compound												
1,1,1,2-Tetrachloroethane	70	70		0.52								2 U
1,1,1-Trichloroethane	200	200	200	9100	0 U	0 U	0 U	10 U	10 U	5 U	5 U	2 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067				2 U	2 U	5 U	5 U	2 U
1,1,2-Trichloroethane	5	5	5	0.24	0 U	0 U	0 U	6 U	6 U	5 U	5 U	2 U
1,1,2-Trichlorofluoromethane	2000	2000		1300								
1,1,2-Trichlorotrifluoroethane	63000	170000		59000								
1,1-Dichloroethane	31	160		2.4	0 U	0 U	0 U	10 U	10 U	5 U	5 U	2 U
1,1-Dichloroethene	7	7	7	340	0 U	0 U	0 U	4 U	4 U	5 U	5 U	2 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065								2 U
1,2-Dichloroethane	5	5	5	0.15	0 U	0 U	0 U	4 U	4 U	5 U	5 U	2 U
1,2-Dichloroethene	70	70	70	330								
1,2-Dichloropropane	5	5	5	0.39				2 U	2 U	5 U	5 U	2 U
1,3-Dichlorobenzene	600	600										
1,3-Dichloropropene	6.6	26		0.43								
1,4-Dioxane	6.4	32		0.67				2000 U	2000 U	1000 U	1000 U	400 U
2-Butanone	4000	4000		7100				10 U	10 U	5 U	5 U	20 U
2-Chloroethyl Vinyl Ether								10 U	10 U	10 U	10 U	
2-Hexanone	11	44		47								20 U
4-Methyl-2-Pentanone	2900	8200		2000								20 U
Acetone	33000	92000		22000	0 U	0 U						20 U
Acrolein	0.042	0.18		0.042				200 U	200 U	100 U	100 U	
Acrylonitrile	0.72	3.7		0.045				100 U	100 U	100 U	100 U	40 U
Benzene	5	5	5	0.41	0 U	0 U	0 U	2 U	2 U	5 U	5 U	2 U
Bromochloromethane	90	90										2 U
Bromodichloromethane	80	80		0.12	0 U	0 U	0 U	2 U	2 U	5 U	5 U	2 U
Bromoform	80	80		8.5				8 U	8 U	5 U	5 U	2 U
Bromomethane	10	10		8.7				10 U	10 U	5 U	5 U	2 U
Carbon Disulfide	1500	6200		1000	0 U	0 U						2 U
Carbon Tetrachloride	5	5	5	0.44	0 U	0 U	0 U	4 U	4 U	5 U	5 U	2 U
Chlorobenzene	100	100	100	91	0 U	0 U	0 U	10 U	10 U	5 U	5 U	2 U
Chlorodibromomethane	80	80		0.15				10 U	10 U	5 U	5 U	2 U
Chloroethane	230	900		21000	0 U	0 U	0 U	10 U	10 U	5 U	5 U	2 U
Chloroform	80	80		0.19	0 U	0 U	0 U	10 U	10 U	5 U	5 U	2 U
Chloromethane	30	30		190				10 U	10 U	5 U	5 U	2 U
cis-1,2-Dichloroethene	70	70	70	73	60	32		6.2 J	8.2 J	14	11	0.9 J
cis-1,3-Dichloropropene	6.6	26		0.43				10 U	10 U	5 U	5 U	2 U
Ethylbenzene	700	700	700	1.5	0 U	0 U	0 U	8 U	8 U	5 U	5 U	2 U
Methyl tert-butyl ether	20	20		12								2 U
Methylene chloride	5	5		4.8	0 U	0 U	0 U	6 U	6 U	5 U	5 U	0.4 J
Styrene	100	100	100	1600								2 U
Tetrachloroethene	5	5	5	0.11	8.5	4.2	2.4	6.1	5	3.2 J	4.3 J	2.1
Toluene	1000	1000	1000	2300	0 U	0 U	0 U	10 U	10 U	5 U	5 U	2 U
trans-1,2-Dichloroethene	100	100	100	110	0.3 J	0 U	0 U	10 U	10 U	5 U	5 U	2 U
trans-1,3-Dichloropropene	6.6	26		0.43				10 U	10 U	5 U	5 U	2 U
Trichloroethene	5	5	5	2	448	309	180	210	200	190	140	56
Vinyl Acetate	420	1800		410								
Vinyl Chloride	2	2	2	0.016	0 U	0 U	0 U	10 U	10 U	5 U	5 U	2 U
VOC Library Search												
Xylenes (Total)	10000	10000	10000	200	0 U	0 U						6 U

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

Table 1
Groundwater Data Summary
Former York Naval Ordnance Plant - York, PA

Parameter / Location/ID / Sample Date	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-12 9/16/2008	MW-12 6/23/2009	MW-16D 4/5/1988	MW-16D 5/13/2008	MW-16D 6/16/2010	MW-16S 4/5/1988	MW-16S 5/15/2008	MW-16S 10/2/2008
TOTAL VOC												
					60.89	52.1	320	38.1	30.08	831	341.8	633
Volatile Organic Compound												
1,1,1,2-Tetrachloroethane	70	70		0.52	2 U	2 U		1 U	1 U		20 U	20 U
1,1,1-Trichloroethane	200	200	200	9100	2 U	2 U	11	1 U	1 U	1	20 U	20 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	2 U	2 U	1 U	1 U	1 U	50 U	20 U	20 U
1,1,2-Trichloroethane	5	5	5	0.24	2 U	2 U	1 U	1 U	1 U	1 U	20 U	20 U
1,1,2-Trichlorofluoromethane	2000	2000		1300								
1,1,2-Trichlorotrifluoroethane	63000	170000		59000			1 U			1 U		
1,1-Dichloroethane	31	160		2.4	0.91 J	2 U	1 U	1 U	1 U	1 U	20 U	20 U
1,1-Dichloroethene	7	7	7	340	2 U	2 U	1 U	1 U	1 U	1 U	20 U	20 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	2 U	2 U		1 U	1 U		20 U	20 U
1,2-Dichloroethane	5	5	5	0.15	2 U	2 U	1 U	1 U	1 U	1 U	20 U	20 U
1,2-Dichloroethene	70	70	70	330								
1,2-Dichloropropane	5	5	5	0.39	2 U	2 U	1 U	1 U	1 U	1 U	20 U	20 U
1,3-Dichlorobenzene	600	600										
1,3-Dichloropropene	6.6	26		0.43								
1,4-Dioxane	6.4	32		0.67	400 U	400 U		200 U	200 U		4000 U	4000 U
2-Butanone	4000	4000		7100	20 U	20 U		10 U	10 U		200 U	200 U
2-Chloroethyl Vinyl Ether							10 U			10 U		
2-Hexanone	11	44		47	20 U	20 U		10 U	10 U		200 U	200 U
4-Methyl-2-Pentanone	2900	8200		2000	20 U	20 U		10 U	10 U		200 U	200 U
Acetone	33000	92000		22000	20 U	20 U		10 U	10 U		200 U	200 U
Acrolein	0.042	0.18		0.042								
Acrylonitrile	0.72	3.7		0.045	40 U	40 U		20 U	20 U		400 U	400 U
Benzene	5	5	5	0.41	2 U	2 U	2 U	1 U	1 U	2 U	20 U	20 U
Bromochloromethane	90	90			2 U	2 U		1 U	1 U		20 U	20 U
Bromodichloromethane	80	80		0.12	2 U	2 U		1 U	1 U		20 U	20 U
Bromoform	80	80		8.5	2 U	2 U	2 U	1 U	1 U	2 U	20 U	20 U
Bromomethane	10	10		8.7	2 U	2 U	5 U	1 U	1 U	5 U	20 U	20 U
Carbon Disulfide	1500	6200		1000	2 U	2 U		1 U	0.28 J B		20 U	20 U
Carbon Tetrachloride	5	5	5	0.44	2 U	2 U	1 U	1 U	1 U	1 U	20 U	20 U
Chlorobenzene	100	100	100	91	2 U	2 U	1 U	1 U	1 U	1 U	20 U	20 U
Chlorodibromomethane	80	80		0.15	2 U	2 U	2 U	1 U	1 U	2 U	20 U	20 U
Chloroethane	230	900		21000	2 U	2 U	1 U	1 U	1 U	1 U	20 U	20 U
Chloroform	80	80		0.19	2 U	2 U	1 U	1 U	1 U	1 U	20 U	20 U
Chloromethane	30	30		190	2 U	2 U	5 U	1 U	1 U	5 U	20 U	20 U
cis-1,2-Dichloroethene	70	70	70	73	13	2 U	9	5.1	3.8	30	6.9 J	20 U
cis-1,3-Dichloropropene	6.6	26		0.43	2 U	2 U	1 U	1 U	1 U	1 U	20 U	20 U
Ethylbenzene	700	700	700	1.5	2 U	2 U	1 U	1 U	1 U	1 U	20 U	20 U
Methyl tert-butyl ether	20	20		12	2 U	2 U		1 U	1 U		20 U	20 U
Methylene chloride	5	5		4.8	0.88 J B	2 U	2 U	1 U	1 U	2 U	5.9 J	20 U
Styrene	100	100	100	1600	2 U	2 U		1 U	1 U		20 U	20 U
Tetrachloroethene	5	5	5	0.11	2.1	2.1	1 U	1 U	1 U	244	310	620
Toluene	1000	1000	1000	2300	2 U	2 U	2 U	1 U	1 U	2 U	20 U	20 U
trans-1,2-Dichloroethene	100	100	100	110	2 U	2 U		1 U	1 U		20 U	20 U
trans-1,3-Dichloropropene	6.6	26		0.43	2 U	2 U		1 U	1 U		20 U	20 U
Trichloroethene	5	5	5	2	44	50	300	33	26	556	19 J	13 J
Vinyl Acetate	420	1800		410								
Vinyl Chloride	2	2	2	0.016	2 U	2 U	1 U	1 U	1 U	1 U	20 U	20 U
VOC Library Search												
Xylenes (Total)	10000	10000	10000	200	6 U	6 U		3 U	3 U		60 U	60 U

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

Table 1
Groundwater Data Summary
Former York Naval Ordnance Plant - York, PA

Parameter / Location/ID / Sample Date	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-16S 6/28/2010	MW-18D 4/5/1988	MW-18D 4/23/2008	MW-18D 10/7/2008	MW-18D 7/9/2009	MW-18D 7/1/2010	MW-18D 2/7/2013	MW-18S 4/8/1988	MW-18S 5/1/2008
TOTAL VOC													
					2270.4	0	2084.32	2494	2594	42.82	1354	50	1735
Volatile Organic Compound													
1,1,1,2-Tetrachloroethane	70	70		0.52	20 U		1 U	100 U	100 U	1 U	40 U		50 U
1,1,1-Trichloroethane	200	200	200	9100	20 U	1 U	1 U	100 U	100 U	1 U	40 U	10 U	50 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	20 U	1 U	1 U	100 U	100 U	1 U	40 U	10 U	50 U
1,1,2-Trichloroethane	5	5	5	0.24	20 U	1 U	0.14 J	100 U	100 U	1 U	40 U	10 U	50 U
1,1,2-Trichlorofluoromethane	2000	2000		1300									
1,1,2-Trichlorotrifluoroethane	63000	170000		59000		1 U						10 U	
1,1-Dichloroethane	31	160		2.4	20 U	1 U	1 U	100 U	100 U	1 U	40 U	10 U	50 U
1,1-Dichloroethene	7	7	7	340	20 U	1 U	3.4	100 U	100 U	1 U	40 U	10 U	50 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	20 U		1 U	100 U	100 U	1 U	40 U		50 U
1,2-Dichloroethane	5	5	5	0.15	20 U	1 U	1 U	100 U	100 U	1 U	40 U	10 U	50 U
1,2-Dichloroethene	70	70	70	330									
1,2-Dichloropropane	5	5	5	0.39	20 U	1 U	1 U	100 U	100 U	1 U	40 U	10 U	50 U
1,3-Dichlorobenzene	600	600											
1,3-Dichloropropene	6.6	26		0.43									
1,4-Dioxane	6.4	32		0.67	4000 U		200 U	20000 U	20000 U	200 U	8000 U		10000 U
2-Butanone	4000	4000		7100	200 U		10 U	1000 U	1000 U	10 U	200 U		500 U
2-Chloroethyl Vinyl Ether						10 U						100 U	
2-Hexanone	11	44		47	200 U		10 U	1000 U	1000 U	10 U	200 U		500 U
4-Methyl-2-Pentanone	2900	8200		2000	200 U		10 U	1000 U	1000 U	10 U	200 U		500 U
Acetone	33000	92000		22000	200 U		10 U	1000 U	1000 U	10 U	200 U		500 U
Acrolein	0.042	0.18		0.042									
Acrylonitrile	0.72	3.7		0.045	400 U		20 U	2000 U	2000 U	20 U	800 U		1000 U
Benzene	5	5	5	0.41	20 U	2 U	1 U	100 U	100 U	1 U	40 U	20 U	50 U
Bromochloromethane	90	90			20 U		1 U	100 U	100 U	1 U	40 U		50 U
Bromodichloromethane	80	80		0.12	20 U		1 U	100 U	100 U	1 U	40 U		50 U
Bromoform	80	80		8.5	20 U	2 U	1 U	100 U	100 U	1 U	40 U	20 U	50 U
Bromomethane	10	10		8.7	20 U	5 U	1 U	100 U	100 U	1 U	40 U	50 U	50 U
Carbon Disulfide	1500	6200		1000	7.4 J		1 U	100 U	100 U	1 U	40 U		50 U
Carbon Tetrachloride	5	5	5	0.44	20 U	1 U	1 U	100 U	100 U	1 U	40 U	10 U	50 U
Chlorobenzene	100	100	100	91	20 U	1 U	1 U	100 U	100 U	1 U	40 U	10 U	50 U
Chlorodibromomethane	80	80		0.15	20 U	2 U	1 U	100 U	100 U	1 U	40 U	20 U	50 U
Chloroethane	230	900		21000	20 U	1 U	1 U	100 U	100 U	1 U	40 U	10 U	50 U
Chloroform	80	80		0.19	20 U	1 U	0.077 J	100 U	100 U	1 U	40 U	10 U	50 U
Chloromethane	30	30		190	20 U	5 U	1 U	100 U	100 U	1 U	40 U	50 U	50 U
cis-1,2-Dichloroethene	70	70	70	73	12 J	1 U	650	760	770	21	340	10 U	520
cis-1,3-Dichloropropene	6.6	26		0.43	20 U	1 U	1 U	100 U	100 U	1 U	40 U	10 U	50 U
Ethylbenzene	700	700	700	1.5	20 U	1 U	1 U	100 U	100 U	1 U	40 U	10 U	50 U
Methyl tert-butyl ether	20	20		12	20 U		1 U	100 U	100 U	1 U	40 U		50 U
Methylene chloride	5	5		4.8	13 J	2 U	1 U	34 J	100 U	1 U	40 U	20 U	15 J
Styrene	100	100	100	1600	20 U		1 U	100 U	100 U	1 U	40 U		50 U
Tetrachloroethene	5	5	5	0.11	2200	1 U	1.3	100 U	100 U	1 U	40 U	10 U	50 U
Toluene	1000	1000	1000	2300	20 U	2 U	1 U	100 U	100 U	1 U	40 U	20 U	50 U
trans-1,2-Dichloroethene	100	100	100	110	20 U		3.4	100 U	100 U	1 U	40 U		50 U
trans-1,3-Dichloropropene	6.6	26		0.43	20 U		1 U	100 U	100 U	1 U	40 U		50 U
Trichloroethene	5	5	5	2	38	1 U	1400	1700 J	1800	21	1000	50	1200
Vinyl Acetate	420	1800		410									
Vinyl Chloride	2	2	2	0.016	20 U	1 U	26	100 U	24 J	0.82 J	14 J	10 U	50 U
VOC Library Search													
Xylenes (Total)	10000	10000	10000	200	60 U		3 U	300 U	300 U	3 U	120 U		150 U

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

Table 1
Groundwater Data Summary
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-18S Dup 5/1/2008	MW-18S 10/3/2008	MW-18S 7/9/2009	MW-18S 6/29/2010	MW-18S 2/7/2013	MW-20D 4/8/1988	MW-20D 5/7/2008	MW-20D 9/5/2008
TOTAL VOC												
					1722.7	990	970	50.12	296.3	174	0.24	0.13
Volatile Organic Compound												
1,1,1,2-Tetrachloroethane	70	70		0.52	50 U	50 U	50 U	1 U	10 U		1 U	1 U
1,1,1-Trichloroethane	200	200	200	9100	50 U	50 U	50 U	1 U	10 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	50 U	50 U	50 U	1 U	10 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	50 U	50 U	50 U	1 U	10 U	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300								
1,1,2-Trichlorotrifluoroethane	63000	170000		59000						1 U		
1,1-Dichloroethane	31	160		2.4	50 U	50 U	50 U	1 U	10 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	50 U	50 U	50 U	1 U	10 U	1 U	1 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	50 U	50 U	50 U	1 U	10 U		1 U	1 U
1,2-Dichloroethane	5	5	5	0.15	50 U	50 U	50 U	1 U	10 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330								
1,2-Dichloropropane	5	5	5	0.39	50 U	50 U	50 U	1 U	10 U	1 U	1 U	1 U
1,3-Dichlorobenzene	600	600										
1,3-Dichloropropene	6.6	26		0.43								
1,4-Dioxane	6.4	32		0.67	10000 U	10000 U	10000 U	200 U	2000 U		200 U	200 U
2-Butanone	4000	4000		7100	500 U	500 U	500 U	10 U	50 U		10 U	10 U
2-Chloroethyl Vinyl Ether										10 U		
2-Hexanone	11	44		47	500 U	500 U	500 U	10 U	50 U		10 U	10 U
4-Methyl-2-Pentanone	2900	8200		2000	500 U	500 U	500 U	10 U	50 U		10 U	10 U
Acetone	33000	92000		22000	500 U	500 U	500 U	10 U	50 U		10 U	10 U
Acrolein	0.042	0.18		0.042								
Acrylonitrile	0.72	3.7		0.045	1000 U	1000 U	1000 U	20 U	200 U		20 U	20 U
Benzene	5	5	5	0.41	50 U	50 U	50 U	1 U	10 U	2 U	1 U	1 U
Bromochloromethane	90	90			50 U	50 U	50 U	1 U	10 U		1 U	1 U
Bromodichloromethane	80	80		0.12	50 U	50 U	50 U	1 U	10 U		1 U	1 U
Bromoform	80	80		8.5	50 U	50 U	50 U	1 U	10 U	2 U	1 U	1 U
Bromomethane	10	10		8.7	50 U	50 U	50 U	1 U	10 U	5 U	1 U	1 U
Carbon Disulfide	1500	6200		1000	50 U	50 U	50 U	0.42 J	10 U		1 U	1 U
Carbon Tetrachloride	5	5	5	0.44	50 U	50 U	50 U	1 U	10 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	91	50 U	50 U	50 U	1 U	10 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	50 U	50 U	50 U	1 U	10 U	2 U	1 U	1 U
Chloroethane	230	900		21000	50 U	50 U	50 U	1 U	10 U	1 U	1 U	1 U
Chloroform	80	80		0.19	50 U	50 U	50 U	1 U	10 U	1 U	1 U	0.13 J
Chloromethane	30	30		190	50 U	50 U	50 U	1 U	10 U	5 U	1 U	1 U
cis-1,2-Dichloroethene	70	70	70	73	500	320	300	25	79	2	1 U	1 U
cis-1,3-Dichloropropene	6.6	26		0.43	50 U	50 U	50 U	1 U	10 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	50 U	50 U	50 U	1 U	10 U	1 U	1 U	1 U
Methyl tert-butyl ether	20	20		12	50 U	50 U	50 U	1 U	10 U		1 U	1 U
Methylene chloride	5	5		4.8	15 J	50 U	50 U	1 U	3.7 J	2 U	1 U	1 U
Styrene	100	100	100	1600	50 U	50 U	50 U	1 U	10 U		1 U	1 U
Tetrachloroethene	5	5	5	0.11	50 U	50 U	50 U	1 U	10 U	1	1 U	1 U
Toluene	1000	1000	1000	2300	50 U	50 U	50 U	1 U	10 U	2 U	1 U	1 U
trans-1,2-Dichloroethene	100	100	100	110	50 U	50 U	50 U	1 U	10 U		1 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.43	50 U	50 U	50 U	1 U	10 U		1 U	1 U
Trichloroethene	5	5	5	2	1200	670	670	24	210	171	0.24 J	1 U
Vinyl Acetate	420	1800		410								
Vinyl Chloride	2	2	2	0.016	7.7 J	50 U	50 U	0.7 J	3.6 J	1 U	1 U	1 U
VOC Library Search												
Xylenes (Total)	10000	10000	10000	200	150 U	150 U	150 U	3 U	30 U		3 U	3 U

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

Table 1
Groundwater Data Summary
Former York Naval Ordnance Plant - York, PA

Parameter / Location/ID / Sample Date	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-20M 4/8/1988	MW-20M 5/19/2008	MW-20M 9/11/2008	MW-20S 4/8/1988	MW-20S 10/31/1990	MW-20S 2/7/1991	MW-20S 4/25/1991	MW-20S 5/20/2008
TOTAL VOC												
					2200	31.62	15.56	9970	7955	8130	6225	1007.7
Volatile Organic Compound												
1,1,1,2-Tetrachloroethane	70	70		0.52		1 U	1 U					25 U
1,1,1-Trichloroethane	200	200	200	9100	10	1 U	1 U	5 U	5	5 U	25 U	25 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	10 U	1 U	1 U	5 U	5 U	20 U	10 U	25 U
1,1,2-Trichloroethane	5	5	5	0.24	10 U	1 U	1 U	5 U	75 U	50 U	100 U	25 U
1,1,2-Trichlorofluoromethane	2000	2000		1300								
1,1,2-Trichlorotrifluoroethane	63000	170000		59000	10 U			5 U	5 U	5 U	5 U	
1,1-Dichloroethane	31	160		2.4	10 U	1 U	1 U	5 U	5 U	5 U	5 U	25 U
1,1-Dichloroethene	7	7	7	340	10 U	1 U	1 U	5 U	5 U	5 U	5 U	25 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065		1 U	1 U					25 U
1,2-Dichloroethane	5	5	5	0.15	40	1 U	1 U	5 U	5 U	5 U	5 U	25 U
1,2-Dichloroethene	70	70	70	330								
1,2-Dichloropropane	5	5	5	0.39	10 U	1 U	1 U	5 U	5 U	5 U	5 U	25 U
1,3-Dichlorobenzene	600	600										
1,3-Dichloropropene	6.6	26		0.43								
1,4-Dioxane	6.4	32		0.67		200 U	200 U					5000 U
2-Butanone	4000	4000		7100		10 U	10 U					250 U
2-Chloroethyl Vinyl Ether					100 U			50 U	50 U	50 U	50 U	
2-Hexanone	11	44		47		10 U	10 U					250 U
4-Methyl-2-Pentanone	2900	8200		2000		10 U	10 U					250 U
Acetone	33000	92000		22000		10 U	10 U					250 U
Acrolein	0.042	0.18		0.042								
Acrylonitrile	0.72	3.7		0.045		20 U	20 U					500 U
Benzene	5	5	5	0.41	20 U	1 U	1 U	10 U	10 U	400 U	200 U	25 U
Bromochloromethane	90	90				1 U	1 U					25 U
Bromodichloromethane	80	80		0.12		1 U	1 U					25 U
Bromoform	80	80		8.5	20 U	1 U	1 U	10 U	10 U	10 U	10 U	25 U
Bromomethane	10	10		8.7	50 U	1 U	1 U	25 U	25 U	25 U	25 U	25 U
Carbon Disulfide	1500	6200		1000		1 U	1 U					25 U
Carbon Tetrachloride	5	5	5	0.44	10 U	1 U	1 U	5 U	5 U	5 U	5 U	25 U
Chlorobenzene	100	100	100	91	10 U	1 U	1 U	5 U	5 U	5 U	5 U	25 U
Chlorodibromomethane	80	80		0.15	20 U	1 U	1 U	10 U	150 U	100 U	200 U	25 U
Chloroethane	230	900		21000	10 U	1 U	1 U	5 U	5 U	5 U	5 U	25 U
Chloroform	80	80		0.19	10 U	0.78 J	0.56 J	5 U	5	10	10 U	25 U
Chloromethane	30	30		190	50 U	1 U	1 U	25 U	25 U	25 U	25 U	25 U
cis-1,2-Dichloroethene	70	70	70	73	30	0.12 J	1 U	410	280	265	180	8.7 J
cis-1,3-Dichloropropene	6.6	26		0.43	10 U	1 U	1 U	5 U	5 U	5 U	5 U	25 U
Ethylbenzene	700	700	700	1.5	50 U	1 U	1 U	5 U	5 U	5 U	5 U	25 U
Methyl tert-butyl ether	20	20		12		1 U	1 U					25 U
Methylene chloride	5	5		4.8	80	0.36 J	1 U	10 U	10 U	10 U	10 U	20 J
Styrene	100	100	100	1600		1 U	1 U					25 U
Tetrachloroethene	5	5	5	0.11	10 U	0.36 J	1 U	40	65	55	45	29
Toluene	1000	1000	1000	2300	20 U	1 U	1 U	10 U	10 U	10 U	10 U	25 U
trans-1,2-Dichloroethene	100	100	100	110		1 U	1 U					25 U
trans-1,3-Dichloropropene	6.6	26		0.43		1 U	1 U					25 U
Trichloroethene	5	5	5	2	2040	30	15	9520	7600	7800	6000	950
Vinyl Acetate	420	1800		410								
Vinyl Chloride	2	2	2	0.016	10 U	1 U	1 U	5 U	5 U	5 U	5 U	25 U
VOC Library Search												
Xylenes (Total)	10000	10000	10000	200		3 U	3 U					75 U

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

Table 1
Groundwater Data Summary
Former York Naval Ordnance Plant - York, PA

Parameter / Location/ID / Sample Date	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-20S 10/1/2008	MW-142D 11/12/2012	MW-142D 2/7/2013	MW-142S 11/12/2012	MW-142S Dup 11/12/2012	MW-142S 2/7/2013	MW-143D 11/13/2012	MW-143D 2/7/2013
TOTAL VOC												
					501	7.97	4.1	1.01	1.36	1.21	0.32	0
Volatile Organic Compound												
1,1,1,2-Tetrachloroethane	70	70		0.52	40 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	200	200	200	9100	40 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	40 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	40 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300								
1,1,2-Trichlorotrifluoroethane	63000	170000		59000								
1,1-Dichloroethane	31	160		2.4	40 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	40 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	40 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	5	5	5	0.15	40 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330								
1,2-Dichloropropane	5	5	5	0.39	40 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	600	600										
1,3-Dichloropropene	6.6	26		0.43								
1,4-Dioxane	6.4	32		0.67	8000 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U
2-Butanone	4000	4000		7100	400 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Chloroethyl Vinyl Ether												
2-Hexanone	11	44		47	400 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	2900	8200		2000	400 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	33000	92000		22000	400 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acrolein	0.042	0.18		0.042								
Acrylonitrile	0.72	3.7		0.045	800 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Benzene	5	5	5	0.41	40 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	90	90			40 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	80	80		0.12	40 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	80	80		8.5	40 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	10	10		8.7	40 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	1500	6200		1000	40 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	5	5	0.44	40 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	91	40 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	40 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	230	900		21000	40 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	80	80		0.19	40 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	30	30		190	40 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	70	70	70	73	14 J	7.8	4.1	0.75 J	0.82 J	0.85 J	1 U	1 U
cis-1,3-Dichloropropene	6.6	26		0.43	40 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	40 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl ether	20	20		12	40 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene chloride	5	5		4.8	40 U	1 U	1 U	1 U	0.26 J B	1 U	0.32 J	1 U
Styrene	100	100	100	1600	40 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	5	5	0.11	17 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	1000	1000	1000	2300	40 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	100	100	100	110	40 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.43	40 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	5	5	2	470	0.17 J	1 U	0.26 J	0.28 J	0.36 J	1 U	1 U
Vinyl Acetate	420	1800		410								
Vinyl Chloride	2	2	2	0.016	40 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
VOC Library Search												
Xylenes (Total)	10000	10000	10000	200	120 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U

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

Table 1
Groundwater Data Summary
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-143S 11/13/2012	MW-143S 2/7/2013	HERMAN (S-7) 12/5/1991	HERMAN (S-7) 3/11/1992	HERMAN (S-7) 9/30/1992	HERMAN (S-7) 12/18/1992
TOTAL VOC										
					3.16	2.18	0	0	0	0
Volatile Organic Compound										
1,1,1,2-Tetrachloroethane	70	70		0.52	1 U	1 U	U	U	U	U
1,1,1-Trichloroethane	200	200	200	9100	1 U	1 U	U	U	U	U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U				
1,1,2-Trichloroethane	5	5	5	0.24	1 U	1 U	U	U	U	U
1,1,2-Trichlorofluoromethane	2000	2000		1300						
1,1,2-Trichlorotrifluoroethane	63000	170000		59000						
1,1-Dichloroethane	31	160		2.4	1 U	1 U	U	U	U	U
1,1-Dichloroethene	7	7	7	340	1 U	1 U	U	U	U	U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	1 U	1 U				
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	U	U	U	U
1,2-Dichloroethene	70	70	70	330			U	U	U	U
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	U	U	U	U
1,3-Dichlorobenzene	600	600								
1,3-Dichloropropene	6.6	26		0.43			U	U	U	U
1,4-Dioxane	6.4	32		0.67	200 U	200 U				
2-Butanone	4000	4000		7100	5 U	5 U				
2-Chloroethyl Vinyl Ether							U	U	U	U
2-Hexanone	11	44		47	5 U	5 U				
4-Methyl-2-Pentanone	2900	8200		2000	5 U	5 U				
Acetone	33000	92000		22000	5 U	5 U				
Acrolein	0.042	0.18		0.042						
Acrylonitrile	0.72	3.7		0.045	20 U	20 U				
Benzene	5	5	5	0.41	1 U	1 U	U	U	U	U
Bromochloromethane	90	90			1 U	1 U				
Bromodichloromethane	80	80		0.12	1 U	1 U	U	U	U	U
Bromoform	80	80		8.5	1 U	1 U	U	U	U	U
Bromomethane	10	10		8.7	1 U	1 U	U	U	U	U
Carbon Disulfide	1500	6200		1000	1 U	1 U				
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	U	U	U	U
Chlorobenzene	100	100	100	91	1 U	1 U	U	U	U	U
Chlorodibromomethane	80	80		0.15	1 U	1 U	U	U	U	U
Chloroethane	230	900		21000	1 U	1 U	U	U	U	U
Chloroform	80	80		0.19	1 U	1 U	U	U	U	U
Chloromethane	30	30		190	1 U	1 U				
cis-1,2-Dichloroethene	70	70	70	73	1 U	1 U				
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U				
Ethylbenzene	700	700	700	1.5	1 U	1 U	U	U	U	U
Methyl tert-butyl ether	20	20		12	1 U	1 U				
Methylene chloride	5	5		4.8	0.35 J	1 U	U	U	U	U
Styrene	100	100	100	1600	1 U	1 U				
Tetrachloroethene	5	5	5	0.11	0.81 J	0.78 J	U	U	U	U
Toluene	1000	1000	1000	2300	1 U	1 U	U	U	U	U
trans-1,2-Dichloroethene	100	100	100	110	1 U	1 U				
trans-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U				
Trichloroethene	5	5	5	2	2	1.4	U	U	U	U
Vinyl Acetate	420	1800		410						
Vinyl Chloride	2	2	2	0.016	1 U	1 U	U	U	U	U
VOC Library Search										
Xylenes (Total)	10000	10000	10000	200	3 U	3 U				

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

Table 1
Groundwater Data Summary
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	HERMAN (S-7) 2/24/1993	HERMAN (S-7) 6/22/1993	HERMAN (S-7) 8/30/1993	HERMAN (S-7) 11/30/1993	HERMAN (S-7) 1/26/1994
TOTAL VOC									
					0	0	0	0	0
Volatile Organic Compound									
1,1,1,2-Tetrachloroethane	70	70		0.52	U	U	U	U	U
1,1,1-Trichloroethane	200	200	200	9100	U	U	U	U	U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067					
1,1,2-Trichloroethane	5	5	5	0.24	U	U	U	U	U
1,1,2-Trichlorofluoromethane	2000	2000		1300					
1,1,2-Trichlorotrifluoroethane	63000	170000		59000					
1,1-Dichloroethane	31	160		2.4	U	U	U	U	U
1,1-Dichloroethene	7	7	7	340	U	U	U	U	U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065					
1,2-Dichloroethane	5	5	5	0.15	U	U	U	U	U
1,2-Dichloroethene	70	70	70	330	U	U	U	U	U
1,2-Dichloropropane	5	5	5	0.39	U	U	U	U	U
1,3-Dichlorobenzene	600	600							
1,3-Dichloropropene	6.6	26		0.43	U	U	U	U	U
1,4-Dioxane	6.4	32		0.67					
2-Butanone	4000	4000		7100					
2-Chloroethyl Vinyl Ether					U	U	U	U	U
2-Hexanone	11	44		47					
4-Methyl-2-Pentanone	2900	8200		2000					
Acetone	33000	92000		22000					
Acrolein	0.042	0.18		0.042					
Acrylonitrile	0.72	3.7		0.045					
Benzene	5	5	5	0.41	U	U	U	U	U
Bromochloromethane	90	90							
Bromodichloromethane	80	80		0.12	U	U	U	U	U
Bromoform	80	80		8.5	U	U	U	U	U
Bromomethane	10	10		8.7	U	U	U	U	U
Carbon Disulfide	1500	6200		1000					
Carbon Tetrachloride	5	5	5	0.44	U	U	U	U	U
Chlorobenzene	100	100	100	91	U	U	U	U	U
Chlorodibromomethane	80	80		0.15	U	U	U	U	U
Chloroethane	230	900		21000	U	U	U	U	U
Chloroform	80	80		0.19	U	U	U	U	U
Chloromethane	30	30		190					
cis-1,2-Dichloroethene	70	70	70	73					
cis-1,3-Dichloropropene	6.6	26		0.43					
Ethylbenzene	700	700	700	1.5	U	U	U	U	U
Methyl tert-butyl ether	20	20		12					
Methylene chloride	5	5		4.8	U	U	U	U	U
Styrene	100	100	100	1600					
Tetrachloroethene	5	5	5	0.11	U	U	U	U	U
Toluene	1000	1000	1000	2300	U	U	U	U	U
trans-1,2-Dichloroethene	100	100	100	110					
trans-1,3-Dichloropropene	6.6	26		0.43					
Trichloroethene	5	5	5	2	U	U	U	U	U
Vinyl Acetate	420	1800		410					
Vinyl Chloride	2	2	2	0.016	U	U	U	U	U
VOC Library Search									
Xylenes (Total)	10000	10000	10000	200					

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

Table 1
Groundwater Data Summary
Former York Naval Ordnance Plant - York, PA

Parameter / Location/ID / Sample Date	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	HERMAN (S-7) 4/5/1994	HERMAN (S-7) 7/15/1994	HERMAN (S-7) 11/14/1994	HERMAN (S-7) 3/9/1995	HERMAN (S-7) 6/7/1995
TOTAL VOC									
					1	0	0	0	0
Volatile Organic Compound									
1,1,1,2-Tetrachloroethane	70	70		0.52	U		U	U	
1,1,1-Trichloroethane	200	200	200	9100	U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067		1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	U	1 U	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300					
1,1,2-Trichlorotrifluoroethane	63000	170000		59000			1 U	1 U	1 U
1,1-Dichloroethane	31	160		2.4	U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065					
1,2-Dichloroethane	5	5	5	0.15	1	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330	U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	5	5	5	0.39	U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	600	600							
1,3-Dichloropropene	6.6	26		0.43	U	1 U	1 U	1 U	1 U
1,4-Dioxane	6.4	32		0.67					
2-Butanone	4000	4000		7100					
2-Chloroethyl Vinyl Ether					U	10 U	10 U	10 U	10 U
2-Hexanone	11	44		47					
4-Methyl-2-Pentanone	2900	8200		2000					
Acetone	33000	92000		22000					
Acrolein	0.042	0.18		0.042					
Acrylonitrile	0.72	3.7		0.045					
Benzene	5	5	5	0.41	U	1 U	2 U	2 U	2 U
Bromochloromethane	90	90							
Bromodichloromethane	80	80		0.12	U	1 U	2 U	2 U	2 U
Bromoform	80	80		8.5	U	1 U	2 U	2 U	2 U
Bromomethane	10	10		8.7	U	2 U	5 U	5 U	5 U
Carbon Disulfide	1500	6200		1000					
Carbon Tetrachloride	5	5	5	0.44	U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	91	U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	U	1 U	2 U	2 U	2 U
Chloroethane	230	900		21000	U	2 U	1 U	1 U	1 U
Chloroform	80	80		0.19	U	1 U	1 U	1 U	1 U
Chloromethane	30	30		190		2 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	73					
cis-1,3-Dichloropropene	6.6	26		0.43					
Ethylbenzene	700	700	700	1.5	U	1 U	1 U	1 U	1 U
Methyl tert-butyl ether	20	20		12					
Methylene chloride	5	5		4.8	U	2 U	5 U	2 U	2 U
Styrene	100	100	100	1600					
Tetrachloroethene	5	5	5	0.11	U	1 U	1 U	1 U	1 U
Toluene	1000	1000	1000	2300	U	1 U	2 U	2 U	2 U
trans-1,2-Dichloroethene	100	100	100	110					
trans-1,3-Dichloropropene	6.6	26		0.43					
Trichloroethene	5	5	5	2	U	1 U	1 U	1 U	1 U
Vinyl Acetate	420	1800		410					
Vinyl Chloride	2	2	2	0.016	U	2 U	1 U	1 U	1 U
VOC Library Search									
Xylenes (Total)	10000	10000	10000	200					

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

Table 1
Groundwater Data Summary
Former York Naval Ordnance Plant - York, PA

Parameter / Location/ID / Sample Date	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	HERMAN (S-7) 9/4/1996	HERMAN (S-7) 12/3/1996	HERMAN (S-7) 3/6/1997	HERMAN (S-7) 6/4/1997	HERMAN (S-7) 5/14/2008
TOTAL VOC									
					0	0	2	1	0.57
Volatile Organic Compound									
1,1,1,2-Tetrachloroethane	70	70		0.52					1 U
1,1,1-Trichloroethane	200	200	200	9100	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300					
1,1,2-Trichlorotrifluoroethane	63000	170000		59000					
1,1-Dichloroethane	31	160		2.4	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065					1 U
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330					
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	600	600							
1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	1 U	
1,4-Dioxane	6.4	32		0.67					200 U
2-Butanone	4000	4000		7100					10 U
2-Chloroethyl Vinyl Ether					10 U	10 U	10 U	10 U	
2-Hexanone	11	44		47					10 U
4-Methyl-2-Pentanone	2900	8200		2000					10 U
Acetone	33000	92000		22000					10 U
Acrolein	0.042	0.18		0.042					
Acrylonitrile	0.72	3.7		0.045					20 U
Benzene	5	5	5	0.41	2 U	2 U	2 U	2 U	1 U
Bromochloromethane	90	90							1 U
Bromodichloromethane	80	80		0.12	2 U	2 U	2 U	2 U	1 U
Bromoform	80	80		8.5	2 U	2 U	2 U	2 U	1 U
Bromomethane	10	10		8.7	5 U	5 U	5 U	5 U	1 U
Carbon Disulfide	1500	6200		1000					1 U
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	91	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	2 U	2 U	2 U	2 U	1 U
Chloroethane	230	900		21000	1 U	1 U	1 U	1 U	1 U
Chloroform	80	80		0.19	1 U	1 U	1 U	1	0.57 J
Chloromethane	30	30		190	5 U	5 U	5 U	5 U	1 U
cis-1,2-Dichloroethene	70	70	70	73					1 U
cis-1,3-Dichloropropene	6.6	26		0.43					1 U
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl ether	20	20		12					1 U
Methylene chloride	5	5		4.8	2 U	2 U	2	2 U	1 U
Styrene	100	100	100	1600					1 U
Tetrachloroethene	5	5	5	0.11	1 U	1 U	1 U	1 U	1 U
Toluene	1000	1000	1000	2300	2 U	2 U	2 U	2 U	1 U
trans-1,2-Dichloroethene	100	100	100	110	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.43					1 U
Trichloroethene	5	5	5	2	1 U	1 U	1 U	1 U	1 U
Vinyl Acetate	420	1800		410					
Vinyl Chloride	2	2	2	0.016	1 U	1 U	1 U	1 U	1 U
VOC Library Search									
Xylenes (Total)	10000	10000	10000	200					3 U

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

Table 1
Groundwater Data Summary
Former York Naval Ordnance Plant - York, PA

Parameter / Location/ID / Sample Date	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	HERMAN (S-7) 2/27/2004	HERMAN (S-7) 5/28/2004	HERMAN (S-7) 8/27/2004	HERMAN (S-7) 11/24/2004	HERMAN (S-7) 3/1/2005
TOTAL VOC									
					1.3	1.2	0.9	1.3	1.2
Volatile Organic Compound									
1,1,1,2-Tetrachloroethane	70	70		0.52					
1,1,1-Trichloroethane	200	200	200	9100	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	3 U	3 U	3 U	3 U	3 U
1,1,2-Trichlorofluoromethane	2000	2000		1300					
1,1,2-Trichlorotrifluoroethane	63000	170000		59000					
1,1-Dichloroethane	31	160		2.4	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	7	7	7	340	2 U	2 U	2 U	2 U	2 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065					
1,2-Dichloroethane	5	5	5	0.15	2 U	2 U	2 U	2 U	2 U
1,2-Dichloroethene	70	70	70	330					
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	600	600							
1,3-Dichloropropene	6.6	26		0.43					
1,4-Dioxane	6.4	32		0.67		1000 U	1000 U	1000 U	1000 U
2-Butanone	4000	4000		7100	5 U	5 U	5 U	5 U	5 U
2-Chloroethyl Vinyl Ether					5 U	5 U	5 U	5 U	5 U
2-Hexanone	11	44		47					
4-Methyl-2-Pentanone	2900	8200		2000					
Acetone	33000	92000		22000					
Acrolein	0.042	0.18		0.042	100 U	100 U	100 U	100 U	100 U
Acrylonitrile	0.72	3.7		0.045	50 U	50 U	50 U	50 U	50 U
Benzene	5	5	5	0.41	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	90	90							
Bromodichloromethane	80	80		0.12	1 U	1 U	1 U	1 U	1 U
Bromoform	80	80		8.5	4 U	4 U	4 U	4 U	4 U
Bromomethane	10	10		8.7	5 U	5 U	5 U	5 U	5 U
Carbon Disulfide	1500	6200		1000					
Carbon Tetrachloride	5	5	5	0.44	2 U	2 U	2 U	2 U	2 U
Chlorobenzene	100	100	100	91	5 U	5 U	5 U	5 U	5 U
Chlorodibromomethane	80	80		0.15	5 U	5 U	5 U	5 U	5 U
Chloroethane	230	900		21000	5 U	5 U	5 U	5 U	5 U
Chloroform	80	80		0.19	1.3 J	1.2 J	0.9 J	1.3 J	1.2 J
Chloromethane	30	30		190	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	73	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	6.6	26		0.43	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	700	700	700	1.5	4 U	4 U	4 U	4 U	4 U
Methyl tert-butyl ether	20	20		12					
Methylene chloride	5	5		4.8	3 U	3 U	3 U	3 U	3 U
Styrene	100	100	100	1600					
Tetrachloroethene	5	5	5	0.11	1 U	1 U	1 U	1 U	1 U
Toluene	1000	1000	1000	2300	5 U	5 U	5 U	5 U	5 U
trans-1,2-Dichloroethene	100	100	100	110	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	6.6	26		0.43	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5	5	5	2	1 U	1 U	1 U	1 U	1 U
Vinyl Acetate	420	1800		410					
Vinyl Chloride	2	2	2	0.016	5 U	5 U	5 U	5 U	5 U
VOC Library Search									
Xylenes (Total)	10000	10000	10000	200					

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

Table 1
Groundwater Data Summary
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	HERMAN (S-7) 5/17/2005	HERMAN (S-7) 8/18/2005	HERMAN (S-7) 11/15/2005	HERMAN (S-7) 2/16/2006	HERMAN (S-7) 5/19/2006
TOTAL VOC									
					1	1.1	0.99	0.95	0.6
Volatile Organic Compound									
1,1,1,2-Tetrachloroethane	70	70		0.52					
1,1,1-Trichloroethane	200	200	200	9100	5 U	5 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	3 U	3 U	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300					
1,1,2-Trichlorotrifluoroethane	63000	170000		59000					
1,1-Dichloroethane	31	160		2.4	5 U	5 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	2 U	2 U	1 U	1 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065					
1,2-Dichloroethane	5	5	5	0.15	2 U	2 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330					
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	600	600							
1,3-Dichloropropene	6.6	26		0.43					
1,4-Dioxane	6.4	32		0.67	1000 U	1000 U	200 U	200 U	200 U
2-Butanone	4000	4000		7100	5 U	5 U	5 U	5 U	5 U
2-Chloroethyl Vinyl Ether					5 U	5 U	2 U	2 U	2 U
2-Hexanone	11	44		47					
4-Methyl-2-Pentanone	2900	8200		2000					
Acetone	33000	92000		22000					
Acrolein	0.042	0.18		0.042	100 U	100 U	20 U	20 U	20 U
Acrylonitrile	0.72	3.7		0.045	50 U	50 U	20 U	20 U	20 U
Benzene	5	5	5	0.41	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	90	90							
Bromodichloromethane	80	80		0.12	1 U	1 U	1 U	1 U	1 U
Bromoform	80	80		8.5	4 U	4 U	1 U	1 U	1 U
Bromomethane	10	10		8.7	5 U	5 U	1 U	1 U	1 U
Carbon Disulfide	1500	6200		1000					
Carbon Tetrachloride	5	5	5	0.44	2 U	2 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	91	5 U	5 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	5 U	5 U	1 U	1 U	1 U
Chloroethane	230	900		21000	5 U	5 U	1 U	1 U	1 U
Chloroform	80	80		0.19	1 J	1.1 J	0.99 J	0.95 J	0.6 J
Chloromethane	30	30		190	5 U	5 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	70	70	70	73	5 U	5 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	6.6	26		0.43	5 U	5 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	4 U	4 U	1 U	1 U	1 U
Methyl tert-butyl ether	20	20		12					
Methylene chloride	5	5		4.8	3 U	3 U	1 U	1 U	1 U
Styrene	100	100	100	1600					
Tetrachloroethene	5	5	5	0.11	1 U	1 U	1 U	1 U	1 U
Toluene	1000	1000	1000	2300	5 U	5 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	100	100	100	110	5 U	5 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.43	5 U	5 U	1 U	1 U	1 U
Trichloroethene	5	5	5	2	1 U	1 U	1 U	1 U	1 U
Vinyl Acetate	420	1800		410					
Vinyl Chloride	2	2	2	0.016	5 U	5 U	1 U	1 U	1 U
VOC Library Search									
Xylenes (Total)	10000	10000	10000	200					

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

Table 1
Groundwater Data Summary
Former York Naval Ordnance Plant - York, PA

Parameter / Location/ID / Sample Date	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	HERMAN (S-7) 8/9/2006	HERMAN (S-7) 11/4/2006	HERMAN (S-7) 2/13/2007	HERMAN (S-7) 5/10/2007	HERMAN (S-7) 6/26/2009
TOTAL VOC									
					1.35	0.73	0.96	0.83	0.84
Volatile Organic Compound									
1,1,1,2-Tetrachloroethane	70	70		0.52					1 U
1,1,1-Trichloroethane	200	200	200	9100	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300					
1,1,2-Trichlorotrifluoroethane	63000	170000		59000					
1,1-Dichloroethane	31	160		2.4	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065					1 U
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330					
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	600	600							
1,3-Dichloropropene	6.6	26		0.43					
1,4-Dioxane	6.4	32		0.67	200 U	200 U	200 U	200 U	200 U
2-Butanone	4000	4000		7100	10 U	5 U	5 U	5 U	10 U
2-Chloroethyl Vinyl Ether					10 U	2 U	2 U	2 U	
2-Hexanone	11	44		47					10 U
4-Methyl-2-Pentanone	2900	8200		2000					10 U
Acetone	33000	92000		22000					10 U
Acrolein	0.042	0.18		0.042	20 U	20 U	20 U	20 U	
Acrylonitrile	0.72	3.7		0.045	20 U	20 U	20 U	20 U	20 U
Benzene	5	5	5	0.41	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	90	90							1 U
Bromodichloromethane	80	80		0.12	1 U	1 U	1 U	1 U	1 U
Bromoform	80	80		8.5	1 U	1 U	1 U	1 U	1 U
Bromomethane	10	10		8.7	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	1500	6200		1000					1 U
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	91	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	1 U	1 U	1 U	1 U	1 U
Chloroethane	230	900		21000	1 U	1 U	1 U	1 U	1 U
Chloroform	80	80		0.19	1.1	0.73 J	0.96 J	0.83 J	0.84 J
Chloromethane	30	30		190	0.25 J	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	70	70	70	73	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl ether	20	20		12					1 U
Methylene chloride	5	5		4.8	1 U	1 U	1 U	1 U	1 U
Styrene	100	100	100	1600					1 U
Tetrachloroethene	5	5	5	0.11	1 U	1 U	1 U	1 U	1 U
Toluene	1000	1000	1000	2300	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	100	100	100	110	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	5	5	2	1 U	1 U	1 U	1 U	1 U
Vinyl Acetate	420	1800		410					
Vinyl Chloride	2	2	2	0.016	1 U	1 U	1 U	1 U	1 U
VOC Library Search									
Xylenes (Total)	10000	10000	10000	200					3 U

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

Table 1
Groundwater Data Summary
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	HERMAN (S-7) 6/25/2010	RW-1 4/14/1987	RW-1 4/14/1987	RW-1 12/17/1987	RW-2 11/10/1986	RW-2 12/18/1986	RW-2 4/15/1987	RW-2 10/31/1995
TOTAL VOC												
					0.6	42	42	28	2093	549	1005	50
Volatile Organic Compound												
1,1,1,2-Tetrachloroethane	70	70		0.52	1 U							
1,1,1-Trichloroethane	200	200	200	9100	1 U							
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U							
1,1,2-Trichloroethane	5	5	5	0.24	1 U							
1,1,2-Trichlorofluoromethane	2000	2000		1300								
1,1,2-Trichlorotrifluoroethane	63000	170000		59000							2	
1,1-Dichloroethane	31	160		2.4	1 U							
1,1-Dichloroethene	7	7	7	340	1 U							
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	1 U							
1,2-Dichloroethane	5	5	5	0.15	1 U							
1,2-Dichloroethene	70	70	70	330								
1,2-Dichloropropane	5	5	5	0.39	1 U							
1,3-Dichlorobenzene	600	600										
1,3-Dichloropropene	6.6	26		0.43								
1,4-Dioxane	6.4	32		0.67	200 U							
2-Butanone	4000	4000		7100	10 U							
2-Chloroethyl Vinyl Ether												
2-Hexanone	11	44		47	10 U							
4-Methyl-2-Pentanone	2900	8200		2000	10 U							
Acetone	33000	92000		22000	10 U							
Acrolein	0.042	0.18		0.042								
Acrylonitrile	0.72	3.7		0.045	20 U							
Benzene	5	5	5	0.41	1 U							
Bromochloromethane	90	90			1 U							
Bromodichloromethane	80	80		0.12	1 U							
Bromoform	80	80		8.5	1 U							
Bromomethane	10	10		8.7	1 U							
Carbon Disulfide	1500	6200		1000	1 U							
Carbon Tetrachloride	5	5	5	0.44	1 U							
Chlorobenzene	100	100	100	91	1 U							
Chlorodibromomethane	80	80		0.15	1 U							
Chloroethane	230	900		21000	1 U							
Chloroform	80	80		0.19	0.6 J						1	
Chloromethane	30	30		190	1 U							
cis-1,2-Dichloroethene	70	70	70	73	1 U				19	5	7	
cis-1,3-Dichloropropene	6.6	26		0.43	1 U							
Ethylbenzene	700	700	700	1.5	1 U							
Methyl tert-butyl ether	20	20		12	1 U							
Methylene chloride	5	5		4.8	1 U							
Styrene	100	100	100	1600	1 U							
Tetrachloroethene	5	5	5	0.11	1 U				4		2	
Toluene	1000	1000	1000	2300	1 U							
trans-1,2-Dichloroethene	100	100	100	110	1 U							
trans-1,3-Dichloropropene	6.6	26		0.43	1 U							
Trichloroethene	5	5	5	2	1 U	42	42	28	2070	544	993	50
Vinyl Acetate	420	1800		410								
Vinyl Chloride	2	2	2	0.016	1 U							
VOC Library Search												
Xylenes (Total)	10000	10000	10000	200	3 U							

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

Table 1
Groundwater Data Summary
Former York Naval Ordnance Plant - York, PA

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

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

Table 1
Groundwater Data Summary
Former York Naval Ordnance Plant - York, PA

Parameter / Location/ID / Sample Date	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	RW-2 6/3/2003	RW-2 6/8/2004	RW-2 6/15/2005	RW-2 6/21/2006	RW-2 6/26/2007	RW-2 4/22/2008	RW-2 9/26/2008	RW-2 7/16/2009
TOTAL VOC												
					2.7	3.5	3.2	1.4	4.6	1.92	2.7	5.38
Volatile Organic Compound												
1,1,1,2-Tetrachloroethane	70	70		0.52						1 U	1 U	1 U
1,1,1-Trichloroethane	200	200	200	9100	0 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067		1 U	1 U	5 U	5 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	0 U	3 U	3 U	5 U	5 U	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300								
1,1,2-Trichlorotrifluoroethane	63000	170000		59000								
1,1-Dichloroethane	31	160		2.4	0 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	0 U	2 U	2 U	5 U	5 U	1 U	1 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065						1 U	1 U	1 U
1,2-Dichloroethane	5	5	5	0.15	0 U	2 U	2 U	5 U	5 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330								
1,2-Dichloropropane	5	5	5	0.39		1 U	1 U	5 U	5 U	1 U	1 U	1 U
1,3-Dichlorobenzene	600	600										
1,3-Dichloropropene	6.6	26		0.43								
1,4-Dioxane	6.4	32		0.67		1000 U	1000 U	1000 U	1000 U	200 U		200 U
2-Butanone	4000	4000		7100		5 U	5 U	5 U	5 U	10 U	10 U	10 U
2-Chloroethyl Vinyl Ether						5 U	5 U	10 U	10 U			
2-Hexanone	11	44		47						10 U	10 U	10 U
4-Methyl-2-Pentanone	2900	8200		2000						10 U	10 U	10 U
Acetone	33000	92000		22000						10 U	10 U	10 U
Acrolein	0.042	0.18		0.042		100 U	100 U	100 U	100 U			
Acrylonitrile	0.72	3.7		0.045		50 U	50 U	100 U	100 U	20 U		20 U
Benzene	5	5	5	0.41	0 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U
Bromochloromethane	90	90								1 U	1 U	1 U
Bromodichloromethane	80	80		0.12	0 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U
Bromoform	80	80		8.5		4 U	4 U	5 U	5 U	1 U	1 U	1 U
Bromomethane	10	10		8.7		5 U	5 U	5 U	5 U	1 U	1 U	1 U
Carbon Disulfide	1500	6200		1000						1 U	1 U	1 U
Carbon Tetrachloride	5	5	5	0.44	0 U	2 U	2 U	5 U	5 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	91	0 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.15		5 U	5 U	5 U	5 U	1 U	1 U	1 U
Chloroethane	230	900		21000	0 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
Chloroform	80	80		0.19	0 U	5 U	0.8 J	5 U	1.2 J	0.22 J	0.7 J	1.3
Chloromethane	30	30		190		5 U	5 U	5 U	5 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	70	70	70	73		5 U	5 U	5 U	5 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	6.6	26		0.43		5 U	5 U	5 U	5 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	0 U	4 U	4 U	5 U	5 U	1 U	1 U	1 U
Methyl tert-butyl ether	20	20		12						1 U	1 U	1 U
Methylene chloride	5	5		4.8	0 U	3 U	3 U	5 U	5 U	1 U	1 U	1 U
Styrene	100	100	100	1600						1 U	1 U	1 U
Tetrachloroethene	5	5	5	0.11	0 U	1 U	1 U	5 U	5 U	1 U	1 U	0.18 J
Toluene	1000	1000	1000	2300	0 U	5 U	5 U	5 U	1.3 J	1 U	1 U	1 U
trans-1,2-Dichloroethene	100	100	100	110	0 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.43		5 U	5 U	5 U	5 U	1 U	1 U	1 U
Trichloroethene	5	5	5	2	2.7	3.5	2.4	1.4 J	2.1 J	1.7	2	3.9
Vinyl Acetate	420	1800		410								
Vinyl Chloride	2	2	2	0.016	0 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
VOC Library Search												
Xylenes (Total)	10000	10000	10000	200						3 U	3 U	3 U

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

Table 1
Groundwater Data Summary
Former York Naval Ordnance Plant - York, PA

Parameter / Location/ID / Sample Date	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	RW-2 7/6/2010	RW-2 7/1/2011	RW-3 12/15/1986	RW-3 4/14/1987	RW-4 Folk 12/5/1991	RW-4 Folk 3/11/1992	RW-4 Folk 6/12/1992	RW-4 Folk 9/30/1992
TOTAL VOC												
					4.3	2.27	991	2165	0	0	0	0
Volatile Organic Compound												
1,1,1,2-Tetrachloroethane	70	70		0.52	1 U	1 U			U	U	U	U
1,1,1-Trichloroethane	200	200	200	9100	1 U	1 U			U	U	U	U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U						
1,1,2-Trichloroethane	5	5	5	0.24	1 U	1 U			U	U	U	U
1,1,2-Trichlorofluoromethane	2000	2000		1300								
1,1,2-Trichlorotrifluoroethane	63000	170000		59000				1				
1,1-Dichloroethane	31	160		2.4	1 U	1 U			U	U	U	U
1,1-Dichloroethene	7	7	7	340	1 U	1 U			U	U	U	U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	1 U	1 U						
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U			U	U	U	U
1,2-Dichloroethene	70	70	70	330					U	U	U	U
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U			U	U	U	U
1,3-Dichlorobenzene	600	600										
1,3-Dichloropropene	6.6	26		0.43					U	U	U	U
1,4-Dioxane	6.4	32		0.67	200 U	200 U						
2-Butanone	4000	4000		7100	10 U	5 U						
2-Chloroethyl Vinyl Ether									U	U	U	U
2-Hexanone	11	44		47	10 U	5 U						
4-Methyl-2-Pentanone	2900	8200		2000	10 U	5 U						
Acetone	33000	92000		22000	10 U	5 U						
Acrolein	0.042	0.18		0.042								
Acrylonitrile	0.72	3.7		0.045	20 U	20 U						
Benzene	5	5	5	0.41	1 U	1 U			U	U	U	U
Bromochloromethane	90	90			1 U	1 U						
Bromodichloromethane	80	80		0.12	1 U	1 U			U	U	U	U
Bromoform	80	80		8.5	1 U	1 U			U	U	U	U
Bromomethane	10	10		8.7	1 U	1 U			U	U	U	U
Carbon Disulfide	1500	6200		1000	0.81 J B	1 U						
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U			U	U	U	U
Chlorobenzene	100	100	100	91	1 U	1 U			U	U	U	U
Chlorodibromomethane	80	80		0.15	1 U	1 U			U	U	U	U
Chloroethane	230	900		21000	1 U	1 U			U	U	U	U
Chloroform	80	80		0.19	0.63 J	0.27 J		2	U	U	U	U
Chloromethane	30	30		190	0.54 J	1 U						
cis-1,2-Dichloroethene	70	70	70	73	1 U	1 U	3	13				
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U						
Ethylbenzene	700	700	700	1.5	1 U	1 U			U	U	U	U
Methyl tert-butyl ether	20	20		12	1 U	1 U						
Methylene chloride	5	5		4.8	1 U	1 U			U	U	U	U
Styrene	100	100	100	1600	1 U	1 U						
Tetrachloroethene	5	5	5	0.11	1 U	1 U	2	12	U	U	U	U
Toluene	1000	1000	1000	2300	0.32 J	1 U			U	U	U	U
trans-1,2-Dichloroethene	100	100	100	110	1 U	1 U						
trans-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U						
Trichloroethene	5	5	5	2	2	2	986	2137	U	U	U	U
Vinyl Acetate	420	1800		410								
Vinyl Chloride	2	2	2	0.016	1 U	1 U			U	U	U	U
VOC Library Search												
Xylenes (Total)	10000	10000	10000	200	3 U	3 U						

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

Table 1
Groundwater Data Summary
Former York Naval Ordnance Plant - York, PA

Parameter / Location/ID / Sample Date	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	RW-4 Folk 12/18/1992	RW-4 Folk 2/24/1993	RW-4 Folk 6/22/1993	RW-4 Folk 8/30/1993	RW-4 Folk 11/30/1993	RW-4 Folk 1/26/1994	RW-4 Folk 4/5/1994
TOTAL VOC											
					0	0	0	0	0	0	0
Volatile Organic Compound											
1,1,1,2-Tetrachloroethane	70	70		0.52	U	U	U	U	U	U	U
1,1,1-Trichloroethane	200	200	200	9100	U	U	U	U	U	U	U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067							
1,1,2-Trichloroethane	5	5	5	0.24	U	U	U	U	U	U	U
1,1,2-Trichlorofluoromethane	2000	2000		1300							
1,1,2-Trichlorotrifluoroethane	63000	170000		59000							
1,1-Dichloroethane	31	160		2.4	U	U	U	U	U	U	U
1,1-Dichloroethene	7	7	7	340	U	U	U	U	U	U	U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065							
1,2-Dichloroethane	5	5	5	0.15	U	U	U	U	U	U	U
1,2-Dichloroethene	70	70	70	330	U	U	U	U	U	U	U
1,2-Dichloropropane	5	5	5	0.39	U	U	U	U	U	U	U
1,3-Dichlorobenzene	600	600									
1,3-Dichloropropene	6.6	26		0.43	U	U	U	U	U	U	U
1,4-Dioxane	6.4	32		0.67							
2-Butanone	4000	4000		7100							
2-Chloroethyl Vinyl Ether					U	U	U	U	U	U	U
2-Hexanone	11	44		47							
4-Methyl-2-Pentanone	2900	8200		2000							
Acetone	33000	92000		22000							
Acrolein	0.042	0.18		0.042							
Acrylonitrile	0.72	3.7		0.045							
Benzene	5	5	5	0.41	U	U	U	U	U	U	U
Bromochloromethane	90	90									
Bromodichloromethane	80	80		0.12	U	U	U	U	U	U	U
Bromoform	80	80		8.5	U	U	U	U	U	U	U
Bromomethane	10	10		8.7	U	U	U	U	U	U	U
Carbon Disulfide	1500	6200		1000							
Carbon Tetrachloride	5	5	5	0.44	U	U	U	U	U	U	U
Chlorobenzene	100	100	100	91	U	U	U	U	U	U	U
Chlorodibromomethane	80	80		0.15	U	U	U	U	U	U	U
Chloroethane	230	900		21000	U	U	U	U	U	U	U
Chloroform	80	80		0.19	U	U	U	U	U	U	U
Chloromethane	30	30		190							
cis-1,2-Dichloroethene	70	70	70	73							
cis-1,3-Dichloropropene	6.6	26		0.43							
Ethylbenzene	700	700	700	1.5	U	U	U	U	U	U	U
Methyl tert-butyl ether	20	20		12							
Methylene chloride	5	5		4.8	U	U	U	U	U	U	U
Styrene	100	100	100	1600							
Tetrachloroethene	5	5	5	0.11	U	U	U	U	U	U	U
Toluene	1000	1000	1000	2300	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	100	100	100	110							
trans-1,3-Dichloropropene	6.6	26		0.43							
Trichloroethene	5	5	5	2	U	U	U	U	U	U	U
Vinyl Acetate	420	1800		410							
Vinyl Chloride	2	2	2	0.016	U	U	U	U	U	U	U
VOC Library Search											
Xylenes (Total)	10000	10000	10000	200							

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

Table 1
Groundwater Data Summary
Former York Naval Ordnance Plant - York, PA

Parameter / Location/ID / Sample Date	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	RW-4 Folk 7/15/1994	RW-4 Folk 11/14/1994	RW-4 Folk 3/9/1995	RW-4 Folk 6/7/1995	RW-4 Folk 9/4/1996	RW-4 Folk 12/3/1996	RW-4 Folk 3/6/1997
TOTAL VOC											
					0	0	0	0	0	0	0
Volatile Organic Compound											
1,1,1,2-Tetrachloroethane	70	70		0.52		U	U				
1,1,1-Trichloroethane	200	200	200	9100	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300							
1,1,2-Trichlorotrifluoroethane	63000	170000		59000		1 U	1 U	1 U			
1,1-Dichloroethane	31	160		2.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065							
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330	1 U	1 U	1 U	1 U			
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	600	600									
1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dioxane	6.4	32		0.67							
2-Butanone	4000	4000		7100							
2-Chloroethyl Vinyl Ether					10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	11	44		47							
4-Methyl-2-Pentanone	2900	8200		2000							
Acetone	33000	92000		22000							
Acrolein	0.042	0.18		0.042							
Acrylonitrile	0.72	3.7		0.045							
Benzene	5	5	5	0.41	1 U	2 U	2 U	2 U	2 U	2 U	2 U
Bromochloromethane	90	90									
Bromodichloromethane	80	80		0.12	1 U	2 U	2 U	2 U	2 U	2 U	2 U
Bromoform	80	80		8.5	1 U	2 U	2 U	2 U	2 U	2 U	2 U
Bromomethane	10	10		8.7	2 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Disulfide	1500	6200		1000							
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	91	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	1 U	2 U	2 U	2 U	2 U	2 U	2 U
Chloroethane	230	900		21000	2 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	80	80		0.19	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	30	30		190	2 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	73							
cis-1,3-Dichloropropene	6.6	26		0.43							
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl ether	20	20		12							
Methylene chloride	5	5		4.8	2 U	5 U	2 U	2 U	2 U	2 U	2 U
Styrene	100	100	100	1600							
Tetrachloroethene	5	5	5	0.11	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	1000	1000	1000	2300	1 U	2 U	2 U	2 U	2 U	2 U	2 U
trans-1,2-Dichloroethene	100	100	100	110					1 U	1 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.43							
Trichloroethene	5	5	5	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Acetate	420	1800		410							
Vinyl Chloride	2	2	2	0.016	2 U	1 U	1 U	1 U	1 U	1 U	1 U
VOC Library Search											
Xylenes (Total)	10000	10000	10000	200							

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

Table 1
Groundwater Data Summary
Former York Naval Ordnance Plant - York, PA

Parameter / Location/ID / Sample Date	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	RW-4 Folk 6/4/1997	RW-4 Folk 2/27/2004	RW-4 Folk 5/28/2004	RW-4 Folk 8/27/2004	RW-4 Folk 11/24/2004	RW-4 Folk 3/1/2005	RW-4 Folk 5/17/2005
TOTAL VOC											
					0	0	0	1.7	0	0	0
Volatile Organic Compound											
1,1,1,2-Tetrachloroethane	70	70		0.52							
1,1,1-Trichloroethane	200	200	200	9100	1 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	3 U	3 U	3 U	3 U	3 U	3 U
1,1,2-Trichlorofluoromethane	2000	2000		1300							
1,1,2-Trichlorotrifluoroethane	63000	170000		59000							
1,1-Dichloroethane	31	160		2.4	1 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	7	7	7	340	1 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065							
1,2-Dichloroethane	5	5	5	0.15	1 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichloroethene	70	70	70	330							
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	600	600									
1,3-Dichloropropene	6.6	26		0.43	1 U						
1,4-Dioxane	6.4	32		0.67			1000 U	1000 U	1000 U	1000 U	1000 U
2-Butanone	4000	4000		7100		5 U	5 U	5 U	5 U	5 U	5 U
2-Chloroethyl Vinyl Ether					10 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	11	44		47							
4-Methyl-2-Pentanone	2900	8200		2000							
Acetone	33000	92000		22000							
Acrolein	0.042	0.18		0.042		100 U	100 U	100 U	100 U	100 U	100 U
Acrylonitrile	0.72	3.7		0.045		50 U	50 U	50 U	50 U	50 U	50 U
Benzene	5	5	5	0.41	2 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	90	90									
Bromodichloromethane	80	80		0.12	2 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	80	80		8.5	2 U	4 U	4 U	4 U	4 U	4 U	4 U
Bromomethane	10	10		8.7	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Disulfide	1500	6200		1000							
Carbon Tetrachloride	5	5	5	0.44	1 U	2 U	2 U	2 U	2 U	2 U	2 U
Chlorobenzene	100	100	100	91	1 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorodibromomethane	80	80		0.15	2 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroethane	230	900		21000	1 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	80	80		0.19	1 U	5 U	5 U	1.7 J	5 U	5 U	5 U
Chloromethane	30	30		190	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	73		5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	6.6	26		0.43		5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	700	700	700	1.5	1 U	4 U	4 U	4 U	4 U	4 U	4 U
Methyl tert-butyl ether	20	20		12							
Methylene chloride	5	5		4.8	2 U	3 U	3 U	3 U	3 U	3 U	3 U
Styrene	100	100	100	1600							
Tetrachloroethene	5	5	5	0.11	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	1000	1000	1000	2300	2 U	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,2-Dichloroethene	100	100	100	110	1 U	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	6.6	26		0.43		5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5	5	5	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Acetate	420	1800		410							
Vinyl Chloride	2	2	2	0.016	1 U	5 U	5 U	5 U	5 U	5 U	5 U
VOC Library Search											
Xylenes (Total)	10000	10000	10000	200							

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

Table 1
Groundwater Data Summary
Former York Naval Ordnance Plant - York, PA

Parameter / Location/ID / Sample Date	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	RW-4 Folk 8/18/2005	RW-4 Folk 11/15/2005	RW-4 Folk 2/16/2006	RW-4 Folk 5/19/2006	RW-4 Folk 8/9/2006	RW-4 Folk 11/4/2006	RW-4 Folk 2/13/2007
TOTAL VOC											
					0	0	0	0.79	0.2	0	0
Volatile Organic Compound											
1,1,1,2-Tetrachloroethane	70	70		0.52							
1,1,1-Trichloroethane	200	200	200	9100	5 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	3 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300							
1,1,2-Trichlorotrifluoroethane	63000	170000		59000							
1,1-Dichloroethane	31	160		2.4	5 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	2 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065							
1,2-Dichloroethane	5	5	5	0.15	2 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330							
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	600	600									
1,3-Dichloropropene	6.6	26		0.43							
1,4-Dioxane	6.4	32		0.67	1000 U	200 U	200 U	200 U	200 U	200 U	200 U
2-Butanone	4000	4000		7100	5 U	5 U	5 U	5 U	10 U	5 U	5 U
2-Chloroethyl Vinyl Ether					5 U	2 U	2 U	2 U	10 U	2 U	2 U
2-Hexanone	11	44		47							
4-Methyl-2-Pentanone	2900	8200		2000							
Acetone	33000	92000		22000							
Acrolein	0.042	0.18		0.042	100 U	20 U	20 U	20 U	20 U	20 U	20 U
Acrylonitrile	0.72	3.7		0.045	50 U	20 U	20 U	20 U	20 U	20 U	20 U
Benzene	5	5	5	0.41	1 U	1 U	1 U	0.31 J	1 U	1 U	1 U
Bromochloromethane	90	90									
Bromodichloromethane	80	80		0.12	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	80	80		8.5	4 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	10	10		8.7	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	1500	6200		1000							
Carbon Tetrachloride	5	5	5	0.44	2 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	91	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	230	900		21000	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	80	80		0.19	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	30	30		190	5 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	70	70	70	73	5 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	6.6	26		0.43	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	4 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl ether	20	20		12							
Methylene chloride	5	5		4.8	3 U	1 U	1 U	0.48 JB	0.2 JB	1 U	1 U
Styrene	100	100	100	1600							
Tetrachloroethene	5	5	5	0.11	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	1000	1000	1000	2300	5 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	100	100	100	110	5 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.43	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	5	5	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Acetate	420	1800		410							
Vinyl Chloride	2	2	2	0.016	5 U	1 U	1 U	1 U	1 U	1 U	1 U
VOC Library Search											
Xylenes (Total)	10000	10000	10000	200							

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

Table 1
Groundwater Data Summary
Former York Naval Ordnance Plant - York, PA

Parameter / Location/ID / Sample Date	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	RW-4 Folk 5/10/2007	RW-4 Folk 8/22/2007	RW-4 Folk 5/14/2008	RW-4 Folk 9/10/2008	RW-4 Folk 6/18/2009	RW-4 FOLK 6/25/2010	RW-4 Folk 6/28/2011
TOTAL VOC											
					0.18	0.16	0.095	0	0.18	0.17	0.19
Volatile Organic Compound											
1,1,1,2-Tetrachloroethane	70	70		0.52		1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	200	200	200	9100	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300							
1,1,2-Trichlorotrifluoroethane	63000	170000		59000							
1,1-Dichloroethane	31	160		2.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065		1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330							
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	600	600									
1,3-Dichloropropene	6.6	26		0.43							
1,4-Dioxane	6.4	32		0.67	200 U	200 U	200 U	200 U	200 U	200 U	200 U
2-Butanone	4000	4000		7100	5 U	10 U	10 U	10 U	10 U	10 U	5 U
2-Chloroethyl Vinyl Ether					2 U						
2-Hexanone	11	44		47		10 U	10 U	10 U	10 U	10 U	5 U
4-Methyl-2-Pentanone	2900	8200		2000		10 U	10 U	10 U	10 U	10 U	5 U
Acetone	33000	92000		22000		10 U	10 U	10 U	10 U	10 U	5 U
Acrolein	0.042	0.18		0.042	20 U						
Acrylonitrile	0.72	3.7		0.045	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Benzene	5	5	5	0.41	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	90	90				1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	80	80		0.12	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	80	80		8.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	10	10		8.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	1500	6200		1000		1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	91	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	230	900		21000	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	80	80		0.19	0.18 J	0.16 J	0.095 J	1 U	0.18 J	0.17 J	0.19 J
Chloromethane	30	30		190	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	70	70	70	73	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl ether	20	20		12		1 U	1 U	1 U	1 U	1 U	1 U
Methylene chloride	5	5		4.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	100	100	100	1600		1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	5	5	0.11	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	1000	1000	1000	2300	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	100	100	100	110	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	5	5	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Acetate	420	1800		410							
Vinyl Chloride	2	2	2	0.016	1 U	1 U	1 U	1 U	1 U	1 U	1 U
VOC Library Search											
Xylenes (Total)	10000	10000	10000	200		3 U	3 U	3 U	3 U	3 U	3 U

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

Table 1
Groundwater Data Summary
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	TATE (S-6) 3/11/1992	TATE (S-6) 6/12/1992	TATE (S-6) 9/30/1992	TATE (S-6) 11/13/1992	TATE (S-6) 12/23/1992	TATE (S-6) 2/24/1993	TATE (S-6) 6/22/1993
TOTAL VOC											
					0	0	0	0	0	0	0
Volatile Organic Compound											
1,1,1,2-Tetrachloroethane	70	70		0.52	U	U	U		U	U	U
1,1,1-Trichloroethane	200	200	200	9100	U	U	U		U	U	U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067							
1,1,2-Trichloroethane	5	5	5	0.24	U	U	U		U	U	U
1,1,2-Trichlorofluoromethane	2000	2000		1300							
1,1,2-Trichlorotrifluoroethane	63000	170000		59000							
1,1-Dichloroethane	31	160		2.4	U	U	U		U	U	U
1,1-Dichloroethene	7	7	7	340	U	U	U		U	U	U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065							
1,2-Dichloroethane	5	5	5	0.15	U	U	U		U	U	U
1,2-Dichloroethene	70	70	70	330	U	U	U		U	U	U
1,2-Dichloropropane	5	5	5	0.39	U	U	U		U	U	U
1,3-Dichlorobenzene	600	600									
1,3-Dichloropropene	6.6	26		0.43	U	U	U		U	U	U
1,4-Dioxane	6.4	32		0.67							
2-Butanone	4000	4000		7100							
2-Chloroethyl Vinyl Ether					U	U	U		U	U	U
2-Hexanone	11	44		47							
4-Methyl-2-Pentanone	2900	8200		2000							
Acetone	33000	92000		22000							
Acrolein	0.042	0.18		0.042							
Acrylonitrile	0.72	3.7		0.045							
Benzene	5	5	5	0.41	U	U	U		U	U	U
Bromochloromethane	90	90									
Bromodichloromethane	80	80		0.12	U	U	U		U	U	U
Bromoform	80	80		8.5	U	U	U		U	U	U
Bromomethane	10	10		8.7	U	U	U		U	U	U
Carbon Disulfide	1500	6200		1000							
Carbon Tetrachloride	5	5	5	0.44	U	U	U		U	U	U
Chlorobenzene	100	100	100	91	U	U	U		U	U	U
Chlorodibromomethane	80	80		0.15	U	U	U		U	U	U
Chloroethane	230	900		21000	U	U	U		U	U	U
Chloroform	80	80		0.19	U	U	U		U	U	U
Chloromethane	30	30		190							
cis-1,2-Dichloroethene	70	70	70	73							
cis-1,3-Dichloropropene	6.6	26		0.43							
Ethylbenzene	700	700	700	1.5	U	U	U		U	U	U
Methyl tert-butyl ether	20	20		12							
Methylene chloride	5	5		4.8	U	U	U		U	U	U
Styrene	100	100	100	1600							
Tetrachloroethene	5	5	5	0.11	U	U	U		U	U	U
Toluene	1000	1000	1000	2300	U	U	U		U	U	U
trans-1,2-Dichloroethene	100	100	100	110							
trans-1,3-Dichloropropene	6.6	26		0.43							
Trichloroethene	5	5	5	2	U	U	U		U	U	U
Vinyl Acetate	420	1800		410							
Vinyl Chloride	2	2	2	0.016	U	U	U		U	U	U
VOC Library Search											
Xylenes (Total)	10000	10000	10000	200							

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

Table 1
Groundwater Data Summary
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	TATE (S-6) 8/30/1993	TATE (S-6) 11/30/1993	TATE (S-6) 2/28/1994	TATE (S-6) 4/5/1994	TATE (S-6) 7/15/1994	TATE (S-6) 11/14/1994	TATE (S-6) 6/7/1995
TOTAL VOC											
					0	0	0	0	0	0	0
Volatile Organic Compound											
1,1,1,2-Tetrachloroethane	70	70		0.52	U	U	U	U		U	
1,1,1-Trichloroethane	200	200	200	9100	U	U	U	U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067					1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	U	U	U	U	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300							
1,1,2-Trichlorotrifluoroethane	63000	170000		59000						1 U	1 U
1,1-Dichloroethane	31	160		2.4	U	U	U	U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	U	U	U	U	1 U	1 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065							
1,2-Dichloroethane	5	5	5	0.15	U	U	U	U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330	U	U	U	U	1 U	1 U	1 U
1,2-Dichloropropane	5	5	5	0.39	U	U	U	U	1 U	1 U	1 U
1,3-Dichlorobenzene	600	600									
1,3-Dichloropropene	6.6	26		0.43	U	U	U	U	1 U	1 U	1 U
1,4-Dioxane	6.4	32		0.67							
2-Butanone	4000	4000		7100							
2-Chloroethyl Vinyl Ether					U	U	U	U	10 U	10 U	10 U
2-Hexanone	11	44		47							
4-Methyl-2-Pentanone	2900	8200		2000							
Acetone	33000	92000		22000							
Acrolein	0.042	0.18		0.042							
Acrylonitrile	0.72	3.7		0.045							
Benzene	5	5	5	0.41	U	U	U	U	1 U	2 U	2 U
Bromochloromethane	90	90									
Bromodichloromethane	80	80		0.12	U	U	U	U	1 U	2 U	2 U
Bromoform	80	80		8.5	U	U	U	U	1 U	2 U	2 U
Bromomethane	10	10		8.7	U	U	U	U	2 U	5 U	5 U
Carbon Disulfide	1500	6200		1000							
Carbon Tetrachloride	5	5	5	0.44	U	U	U	U	1 U	1 U	1 U
Chlorobenzene	100	100	100	91	U	U	U	U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	U	U	U	U	1 U	2 U	2 U
Chloroethane	230	900		21000	U	U	U	U	2 U	1 U	1 U
Chloroform	80	80		0.19	U	U	U	U	1 U	1 U	1 U
Chloromethane	30	30		190					2 U	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	73							
cis-1,3-Dichloropropene	6.6	26		0.43							
Ethylbenzene	700	700	700	1.5	U	U	U	U	1 U	1 U	1 U
Methyl tert-butyl ether	20	20		12							
Methylene chloride	5	5		4.8	U	U	U	U	2 U	2 U	2 U
Styrene	100	100	100	1600							
Tetrachloroethene	5	5	5	0.11	U	U	U	U	1 U	1 U	1 U
Toluene	1000	1000	1000	2300	U	U	U	U	1 U	2 U	2 U
trans-1,2-Dichloroethene	100	100	100	110							
trans-1,3-Dichloropropene	6.6	26		0.43							
Trichloroethene	5	5	5	2	U	U	U	U	1 U	1 U	1 U
Vinyl Acetate	420	1800		410							
Vinyl Chloride	2	2	2	0.016	U	U	U	U	2 U	1 U	1 U
VOC Library Search											
Xylenes (Total)	10000	10000	10000	200							

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

Table 1
Groundwater Data Summary
Former York Naval Ordnance Plant - York, PA

Parameter / Location/ID / Sample Date	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	TATE (S-6) 9/7/1995	TATE (S-6) 12/7/1995	TATE (S-6) 3/7/1996	TATE (S-6) 6/6/1996	TATE (S-6) 6/6/1996	TATE (S-6) 9/4/1996	TATE (S-6) 12/3/1996
TOTAL VOC											
					2	1	2	1	1	2	2
Volatile Organic Compound											
1,1,1,2-Tetrachloroethane	70	70		0.52							
1,1,1-Trichloroethane	200	200	200	9100						1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067						1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24						1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300							
1,1,2-Trichlorotrifluoroethane	63000	170000		59000							
1,1-Dichloroethane	31	160		2.4						1 U	1 U
1,1-Dichloroethene	7	7	7	340						1 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065							
1,2-Dichloroethane	5	5	5	0.15						1 U	1 U
1,2-Dichloroethene	70	70	70	330							
1,2-Dichloropropane	5	5	5	0.39						1 U	1 U
1,3-Dichlorobenzene	600	600									
1,3-Dichloropropene	6.6	26		0.43						1 U	1 U
1,4-Dioxane	6.4	32		0.67							
2-Butanone	4000	4000		7100							
2-Chloroethyl Vinyl Ether										10 U	10 U
2-Hexanone	11	44		47							
4-Methyl-2-Pentanone	2900	8200		2000							
Acetone	33000	92000		22000							
Acrolein	0.042	0.18		0.042							
Acrylonitrile	0.72	3.7		0.045							
Benzene	5	5	5	0.41						2 U	2 U
Bromochloromethane	90	90									
Bromodichloromethane	80	80		0.12						2 U	2 U
Bromoform	80	80		8.5						2 U	2 U
Bromomethane	10	10		8.7						5 U	5 U
Carbon Disulfide	1500	6200		1000							
Carbon Tetrachloride	5	5	5	0.44						1 U	1 U
Chlorobenzene	100	100	100	91						1 U	1 U
Chlorodibromomethane	80	80		0.15						2 U	2 U
Chloroethane	230	900		21000						1 U	1 U
Chloroform	80	80		0.19	2 B	1 B	2	1	1	2	2 B
Chloromethane	30	30		190						5 U	5 U
cis-1,2-Dichloroethene	70	70	70	73							
cis-1,3-Dichloropropene	6.6	26		0.43							
Ethylbenzene	700	700	700	1.5						1 U	1 U
Methyl tert-butyl ether	20	20		12							
Methylene chloride	5	5		4.8						2 U	2 U
Styrene	100	100	100	1600							
Tetrachloroethene	5	5	5	0.11						1 U	1 U
Toluene	1000	1000	1000	2300						2 U	2 U
trans-1,2-Dichloroethene	100	100	100	110						1 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.43							
Trichloroethene	5	5	5	2						1 U	1 U
Vinyl Acetate	420	1800		410							
Vinyl Chloride	2	2	2	0.016						1 U	1 U
VOC Library Search											
Xylenes (Total)	10000	10000	10000	200							

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

Table 1
Groundwater Data Summary
Former York Naval Ordnance Plant - York, PA

Parameter / Location/ID / Sample Date	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	TATE (S-6) 3/6/1997	TATE (S-6) 6/4/1997	TATE (S-6) 2/27/2004	TATE (S-6) 5/28/2004	TATE (S-6) 8/27/2004	TATE (S-6) 11/24/2004	TATE (S-6) 3/1/2005
TOTAL VOC											
					3	4	2.7	2.2	1.6	1.8	1.8
Volatile Organic Compound											
1,1,1,2-Tetrachloroethane	70	70		0.52							
1,1,1-Trichloroethane	200	200	200	9100	1 U	1 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	1 U	3 U	3 U	3 U	3 U	3 U
1,1,2-Trichlorofluoromethane	2000	2000		1300							
1,1,2-Trichlorotrifluoroethane	63000	170000		59000							
1,1-Dichloroethane	31	160		2.4	1 U	1 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	7	7	7	340	1 U	1 U	2 U	2 U	2 U	2 U	2 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065							
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichloroethene	70	70	70	330							
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	600	600									
1,3-Dichloropropene	6.6	26		0.43	1 U	1 U					
1,4-Dioxane	6.4	32		0.67				1000 U	1000 U	1000 U	1000 U
2-Butanone	4000	4000		7100			5 U	5 U	5 U	5 U	5 U
2-Chloroethyl Vinyl Ether					10 U	10 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	11	44		47							
4-Methyl-2-Pentanone	2900	8200		2000							
Acetone	33000	92000		22000							
Acrolein	0.042	0.18		0.042			100 U	100 U	100 U	100 U	100 U
Acrylonitrile	0.72	3.7		0.045			50 U	50 U	50 U	50 U	50 U
Benzene	5	5	5	0.41	2 U	2 U	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	90	90									
Bromodichloromethane	80	80		0.12	2 U	2 U	1 U	1 U	1 U	1 U	1 U
Bromoform	80	80		8.5	2 U	2 U	4 U	4 U	4 U	4 U	4 U
Bromomethane	10	10		8.7	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Disulfide	1500	6200		1000							
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	2 U	2 U	2 U	2 U	2 U
Chlorobenzene	100	100	100	91	1 U	1 U	5 U	5 U	5 U	5 U	5 U
Chlorodibromomethane	80	80		0.15	2 U	2 U	5 U	5 U	5 U	5 U	5 U
Chloroethane	230	900		21000	1 U	1 U	5 U	5 U	5 U	5 U	5 U
Chloroform	80	80		0.19	3	4	2.7 J	2.2 J	1.6 J	1.8 J	1.8 J
Chloromethane	30	30		190	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	73			5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	6.6	26		0.43			5 U	5 U	5 U	5 U	5 U
Ethylbenzene	700	700	700	1.5	1 U	1 U	4 U	4 U	4 U	4 U	4 U
Methyl tert-butyl ether	20	20		12							
Methylene chloride	5	5		4.8	2 U	2 U	3 U	3 U	3 U	3 U	3 U
Styrene	100	100	100	1600							
Tetrachloroethene	5	5	5	0.11	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	1000	1000	1000	2300	2 U	2 U	5 U	5 U	5 U	5 U	5 U
trans-1,2-Dichloroethene	100	100	100	110	1 U	1 U	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	6.6	26		0.43			5 U	5 U	5 U	5 U	5 U
Trichloroethene	5	5	5	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Acetate	420	1800		410							
Vinyl Chloride	2	2	2	0.016	1 U	1 U	5 U	5 U	5 U	5 U	5 U
VOC Library Search											
Xylenes (Total)	10000	10000	10000	200							

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

Table 1
Groundwater Data Summary
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	TATE (S-6) 5/17/2005	TATE (S-6) 8/18/2005	TATE (S-6) 11/15/2005	TATE (S-6) 2/16/2006	TATE (S-6) 5/19/2006	TATE (S-6) 8/9/2006	TATE (S-6) 11/4/2006
TOTAL VOC											
					2.1	2.3	1.6	1.5	4.36	1.9	0.55
Volatile Organic Compound											
1,1,1,2-Tetrachloroethane	70	70		0.52							
1,1,1-Trichloroethane	200	200	200	9100	5 U	5 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	3 U	3 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300							
1,1,2-Trichlorotrifluoroethane	63000	170000		59000							
1,1-Dichloroethane	31	160		2.4	5 U	5 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	2 U	2 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065							
1,2-Dichloroethane	5	5	5	0.15	2 U	2 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330							
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	600	600									
1,3-Dichloropropene	6.6	26		0.43							
1,4-Dioxane	6.4	32		0.67	1000 U	1000 U	200 U	200 U	200 U	200 U	200 U
2-Butanone	4000	4000		7100	5 U	5 U	5 U	5 U	5 U	10 U	5 U
2-Chloroethyl Vinyl Ether					5 U	5 U	2 U	2 U	2 U	10 U	2 U
2-Hexanone	11	44		47							
4-Methyl-2-Pentanone	2900	8200		2000							
Acetone	33000	92000		22000							
Acrolein	0.042	0.18		0.042	100 U	100 U	20 U	20 U	20 U	20 U	20 U
Acrylonitrile	0.72	3.7		0.045	50 U	50 U	20 U	20 U	20 U	20 U	20 U
Benzene	5	5	5	0.41	1 U	1 U	1 U	1 U	1.3	1 U	1 U
Bromochloromethane	90	90									
Bromodichloromethane	80	80		0.12	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	80	80		8.5	4 U	4 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	10	10		8.7	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	1500	6200		1000							
Carbon Tetrachloride	5	5	5	0.44	2 U	2 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	91	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	230	900		21000	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Chloroform	80	80		0.19	2.1 J	2.3 J	1.6	1.5	1.4	1.9	0.55 J
Chloromethane	30	30		190	5 U	5 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	70	70	70	73	5 U	5 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	6.6	26		0.43	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	4 U	4 U	1 U	1 U	0.54 J	1 U	1 U
Methyl tert-butyl ether	20	20		12							
Methylene chloride	5	5		4.8	3 U	3 U	1 U	1 U	0.49 JB	1 U	1 U
Styrene	100	100	100	1600							
Tetrachloroethene	5	5	5	0.11	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	1000	1000	1000	2300	5 U	5 U	1 U	1 U	0.23 J	1 U	1 U
trans-1,2-Dichloroethene	100	100	100	110	5 U	5 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.43	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	5	5	2	1 U	1 U	1 U	1 U	0.4 J	1 U	1 U
Vinyl Acetate	420	1800		410							
Vinyl Chloride	2	2	2	0.016	5 U	5 U	1 U	1 U	1 U	1 U	1 U
VOC Library Search											
Xylenes (Total)	10000	10000	10000	200							

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

Table 1
Groundwater Data Summary
Former York Naval Ordnance Plant - York, PA

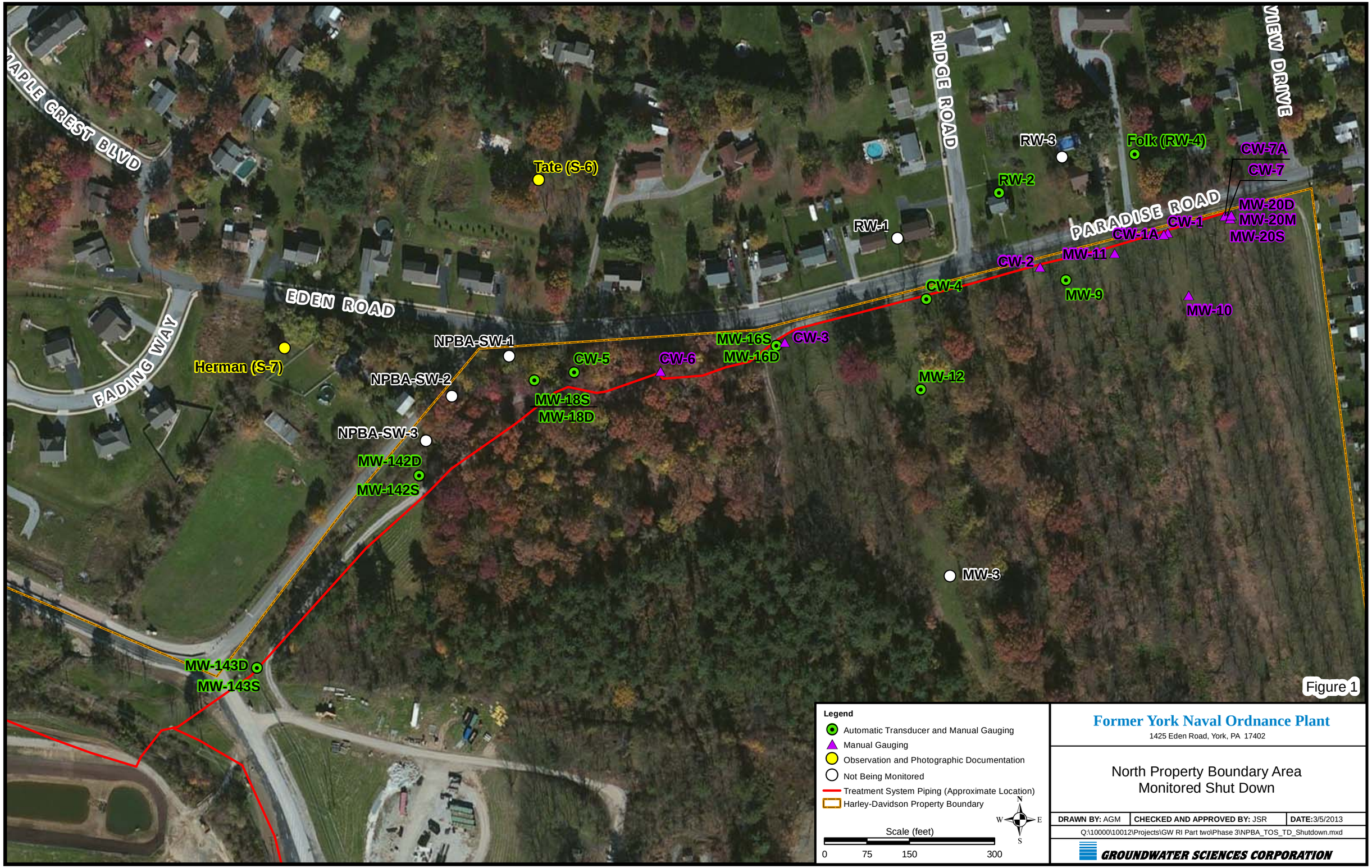
Parameter / Location/ID / Sample Date	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	TATE (S-6) 2/13/2007	TATE (S-6) 5/10/2007	TATE (S-6) 5/14/2008	TATE (S-6) 6/26/2009	TATE (S-6) 6/25/2010	TATE (S-6) 6/28/2011	NPBA-SW-1 1/15/2013
TOTAL VOC											
					0.86	1.5	0.83	0.91	0.82	0.48	0
Volatile Organic Compound											
1,1,1,2-Tetrachloroethane	70	70		0.52			1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	200	200	200	9100	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300							
1,1,2-Trichlorotrifluoroethane	63000	170000		59000							
1,1-Dichloroethane	31	160		2.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065			1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330							1 U
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U	1 U	1 U	
1,3-Dichlorobenzene	600	600									
1,3-Dichloropropene	6.6	26		0.43							
1,4-Dioxane	6.4	32		0.67	200 U	200 U	200 U	200 U	200 U	200 U	200 U
2-Butanone	4000	4000		7100	5 U	5 U	10 U	10 U	10 U	5 U	5 U
2-Chloroethyl Vinyl Ether					2 U	2 U					
2-Hexanone	11	44		47			10 U	10 U	10 U	5 U	5 U
4-Methyl-2-Pentanone	2900	8200		2000			10 U	10 U	10 U	5 U	5 U
Acetone	33000	92000		22000			10 U	10 U	10 U	5 U	5 U
Acrolein	0.042	0.18		0.042	20 U	20 U					
Acrylonitrile	0.72	3.7		0.045	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Benzene	5	5	5	0.41	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	90	90					1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	80	80		0.12	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	80	80		8.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	10	10		8.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	1500	6200		1000			1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	91	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	230	900		21000	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	80	80		0.19	0.86 J	1.5	0.83 J	0.91 J	0.82 J	0.48 J	1 U
Chloromethane	30	30		190	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	70	70	70	73	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl ether	20	20		12			1 U	1 U	1 U	1 U	1 U
Methylene chloride	5	5		4.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	100	100	100	1600			1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	5	5	0.11	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	1000	1000	1000	2300	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	100	100	100	110	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	5	5	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Acetate	420	1800		410							1 U
Vinyl Chloride	2	2	2	0.016	1 U	1 U	1 U	1 U	1 U	1 U	3 U
VOC Library Search											
Xylenes (Total)	10000	10000	10000	200			3 U	3 U	3 U	3 U	

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

Table 1
Groundwater Data Summary
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	NPBA-SW-2 1/15/2013	NPBA-SW-3 1/15/2013
TOTAL VOC						
					0	0
Volatile Organic Compound						
1,1,1,2-Tetrachloroethane	70	70		0.52	1 U	1 U
1,1,1-Trichloroethane	200	200	200	9100	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300		
1,1,2-Trichlorotrifluoroethane	63000	170000		59000		
1,1-Dichloroethane	31	160		2.4	1 U	1 U
1,1-Dichloroethene	7	7	7	340	1 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	1 U	1 U
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U
1,2-Dichloroethene	70	70	70	330	1 U	1 U
1,2-Dichloropropane	5	5	5	0.39		
1,3-Dichlorobenzene	600	600				
1,3-Dichloropropene	6.6	26		0.43		
1,4-Dioxane	6.4	32		0.67	200 U	200 U
2-Butanone	4000	4000		7100	5 U	5 U
2-Chloroethyl Vinyl Ether						
2-Hexanone	11	44		47	5 U	5 U
4-Methyl-2-Pentanone	2900	8200		2000	5 U	5 U
Acetone	33000	92000		22000	5 U	5 U
Acrolein	0.042	0.18		0.042		
Acrylonitrile	0.72	3.7		0.045	20 U	20 U
Benzene	5	5	5	0.41	1 U	1 U
Bromochloromethane	90	90			1 U	1 U
Bromodichloromethane	80	80		0.12	1 U	1 U
Bromoform	80	80		8.5	1 U	1 U
Bromomethane	10	10		8.7	1 U	1 U
Carbon Disulfide	1500	6200		1000	1 U	1 U
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U
Chlorobenzene	100	100	100	91	1 U	1 U
Chlorodibromomethane	80	80		0.15	1 U	1 U
Chloroethane	230	900		21000	1 U	1 U
Chloroform	80	80		0.19	1 U	1 U
Chloromethane	30	30		190	1 U	1 U
cis-1,2-Dichloroethene	70	70	70	73	1 U	1 U
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U
Ethylbenzene	700	700	700	1.5	1 U	1 U
Methyl tert-butyl ether	20	20		12	1 U	1 U
Methylene chloride	5	5		4.8	1 U	1 U
Styrene	100	100	100	1600	1 U	1 U
Tetrachloroethene	5	5	5	0.11	1 U	1 U
Toluene	1000	1000	1000	2300	1 U	1 U
trans-1,2-Dichloroethene	100	100	100	110	1 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U
Trichloroethene	5	5	5	2	1 U	1 U
Vinyl Acetate	420	1800		410	1 U	1 U
Vinyl Chloride	2	2	2	0.016	3 U	3 U
VOC Library Search						
Xylenes (Total)	10000	10000	10000	200		

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


MAPLE CREST BLVD
EDEN ROAD
FADING WAY
RIDGE ROAD
VIEW DRIVE
PARADISE ROAD
Tate (S-6)
Herman (S-7)
RW-1
RW-2
RW-3
Folk (RW-4)
CW-7A
CW-7
MW-20D
MW-20M
MW-20S
CW-1
CW-1A
MW-11
CW-2
CW-4
MW-9
MW-10
NPBA-SW-1
NPBA-SW-2
NPBA-SW-3
CW-5
CW-6
MW-16S
MW-16D
CW-3
MW-18S
MW-18D
MW-12
MW-142D
MW-142S
MW-143D
MW-143S
MW-3
Figure 1
Legend
Automatic Transducer and Manual Gauging
Manual Gauging
Observation and Photographic Documentation
Not Being Monitored
Treatment System Piping (Approximate Location)
Harley-Davidson Property Boundary
N
W
E
S
Scale (feet)
0
75
150
300
Former York Naval Ordnance Plant
1425 Eden Road, York, PA 17402
North Property Boundary Area
Monitored Shut Down
DRAWN BY: AGM
CHECKED AND APPROVED BY: JSR
DATE:3/5/2013
Q:\10000\10012\Projects\GW RI Part two\Phase 3\NPBA_TOS_TD_Shutdown.mxd
GROUNDWATER SCIENCES CORPORATION

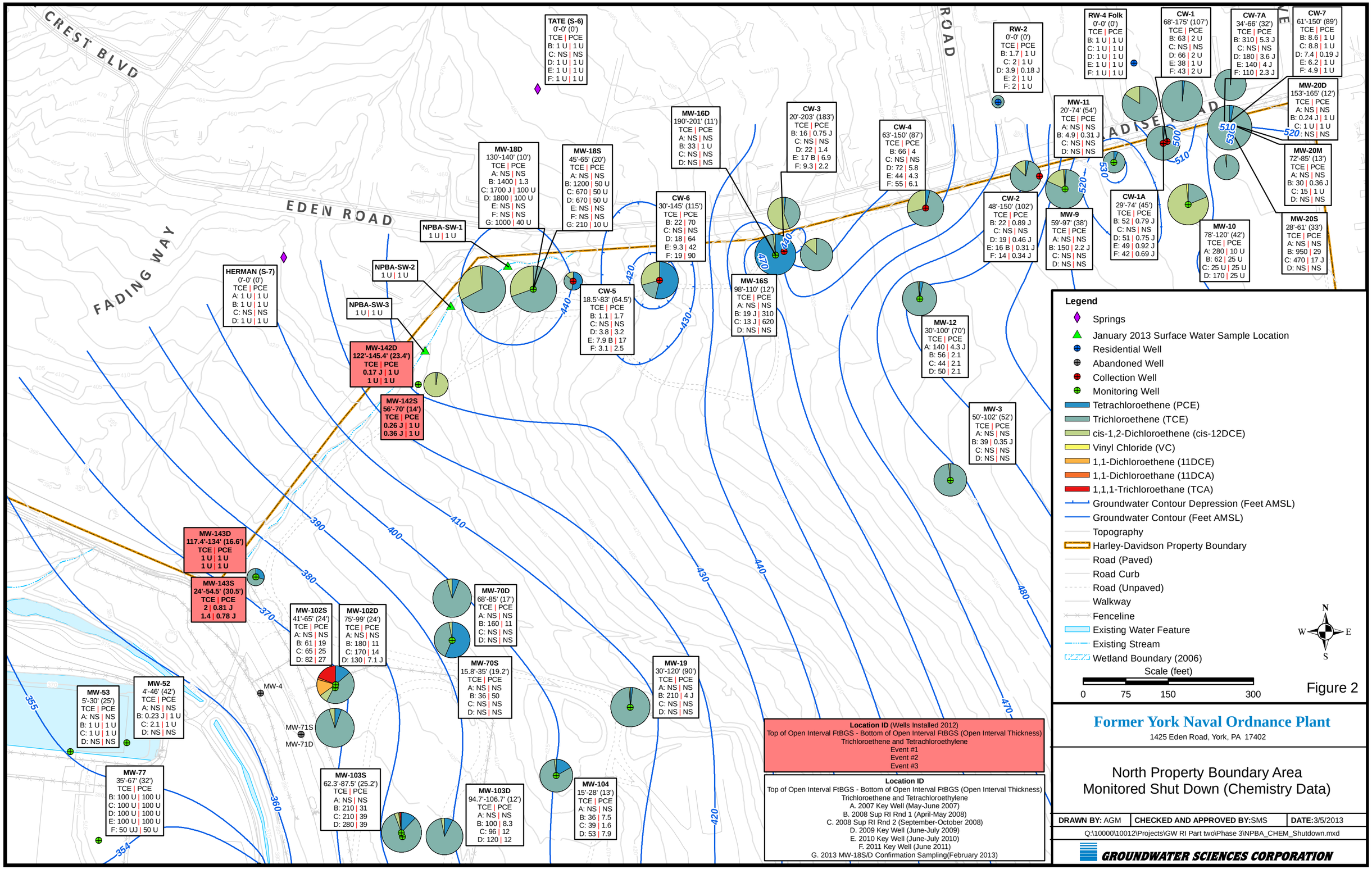


Figure 2

Former York Naval Ordnance Plant

1425 Eden Road, York, PA 17402

North Property Boundary Area
Monitored Shut Down (Chemistry Data)

DRAWN BY: AGM	CHECKED AND APPROVED BY:SMS	DATE:3/5/2013

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E
West

E'
East

Elevation in Feet Relative to Mean Sea Level

MW-143D
MW-143S
MW-142D
MW-142S
MW-18S
MW-18D
CW-5
CW-6
MW-16D
MW-16S
CW-3
CW-4
CW-2
MW-9
MW-11
CW-1A
CW-1
CW-7A
CW-7
MW-20S
MW-20M
MW-20D

MW-143S
24'-54.5' (30.5')
TCE | PCE
2 | 0.81 J
1.4 | 0.78 J

373.01'

MW-143D
117.4'-134' (16.6')
TCE | PCE
1 U | 1 U
1 U | 1 U

395.16'

MW-142S
56'-70' (14')
TCE | PCE
0.26 J | 1 U
0.36 J | 1 U

431.90'

MW-142D
122'-145.4' (23.4')
TCE | PCE
0.17 J | 1 U
1 U | 1 U

420.03'

MW-18S
45'-65' (20')
TCE | PCE
A: NS | NS
B: 1200 | 50 U
C: 670 | 50 U
D: 670 | 50 U
E: NS | NS
F: NS | NS
G: 210 | 10 U

448.11'

MW-18D
130'-140' (10')
TCE | PCE
A: NS | NS
B: 1400 | 1.3
C: 1700 J | 100 U
D: 1800 | 100 U
E: NS | NS
F: NS | NS
G: 1000 | 40 U

447.98'

CW-5
18.5'-83' (64.5')
TCE | PCE
B: 1.1 | 1.7
C: NS | NS
D: 3.8 | 3.2
E: 7.9 B | 17
F: 3.1 | 2.5

439.98'

CW-6
30'-145' (115')
TCE | PCE
B: 22 | 70
C: NS | NS
D: 18 | 64
E: 9.3 | 42
F: 19 | 90

409.55'

MW-16S
98'-110' (12')
TCE | PCE
A: NS | NS
B: 19 J | 310
C: 13 J | 620
D: NS | NS

478.57'

CW-3
70'-203' (183')
TCE | PCE
B: 16 | 0.75 J
C: NS | NS
D: 22 | 1.4
E: 17 B | 6.9
F: 9.3 | 2.2

434.70'

MW-16D
190'-201' (11')
TCE | PCE
A: NS | NS
B: 33 | 1 U
C: NS | NS
D: NS | NS

509.49'

CW-4
63'-150' (87')
TCE | PCE
B: 66 | 4
C: NS | NS
D: 72 | 5.8
E: 44 | 4.3
F: 55 | 6.1

454.93'

CW-2
48'-150' (102')
TCE | PCE
B: 22 | 0.89 J
C: NS | NS
D: 19 | 0.46 J
E: 16 B | 0.31 J
F: 14 | 0.34 J

479.95'

MW-9
59'-97' (38')
TCE | PCE
A: NS | NS
B: 150 | 2.2 J
C: NS | NS
D: NS | NS

512.25'

MW-11
20'-74' (54')
TCE | PCE
A: NS | NS
B: 4.9 | 0.31 J
C: NS | NS
D: NS | NS

536.21'

CW-1A
29'-74' (45')
TCE | PCE
B: 52 | 0.79 J
C: NS | NS
D: 51 | 0.75 J
E: 49 | 0.92 J
F: 42 | 0.69 J

505.13'

CW-1
68'-175' (107')
TCE | PCE
B: 63 | 2 U
C: NS | NS
D: 66 | 2 U
E: 38 | 1 U
F: 43 | 2 U

493.20'

528.39'
525.27'
528.99'

MW-20S
28'-61' (33')
TCE | PCE
A: NS | NS
B: 950 | 29
C: 470 | 17 J
D: NS | NS

CW-7A
34'-66' (32')
TCE | PCE
B: 310 | 5.3 J
C: NS | NS
D: 180 | 3.6 J
E: 140 | 4 J
F: 110 | 2.3 J

MW-20M
72'-85' (13')
TCE | PCE
A: NS | NS
B: 30 | 0.36 J
C: 15 | 1 U
D: NS | NS

CW-7
61'-150' (89')
TCE | PCE
B: 8.6 | 1 U
C: 8.8 | 1 U
D: 7.4 | 0.19 J
E: 6.2 | 1 U
F: 4.9 | 1 U

486.38'

536.83'

MW-20D
153'-165' (12')
TCE | PCE
A: NS | NS
B: 0.24 J | 1 U
C: 1 U | 1 U
D: NS | NS

Scale: 1-Inch =25 feet (Vertical) and 1-inch=100 feet (Horizontal) and Vertical Exaggeration 4x

Location ID (Wells Installed 2012)
Top of Open Interval FtBGS - Bottom of Open Interval FtBGS (Open Interval Thickness)
Trichloroethene and Tetrachloroethylene
Event #1
Event #2
Event #3

Location ID
Top of Open Interval FtBGS - Bottom of Open Interval FtBGS (Open Interval Thickness)
Trichloroethene and Tetrachloroethylene
A. 2007 Key Well (May-June 2007)
B. 2008 Sup RI Rnd 1 (April-May 2008)
C. 2008 Sup RI Rnd 2 (September-October 2008)
D. 2009 Key Well (June-July 2009)
E. 2010 Key Well (June-July 2010)
F. 2011 Key Well (June 2011)
G. 2013 MW-18S/D Confirmation Sampling(February 2013)

Legend

- Water Level
- Tetrachloroethene (PCE)
- Trichloroethene (TCE)
- cis-1,2-Dichloroethene (cis-12DCE)
- Vinyl Chloride (VC)
- 1,1-Dichloroethene (11DCE)
- 1,1-Dichloroethane (11DCA)
- 1,1,1-Trichloroethane (TCA)
- Well
- Open Interval
- Overburden
- Limestone/Dolostone
- Sandstone/Quartzite

Notes:

1.79 Groundwater Elevation Measured on December 7, 2012

NM Groundwater Elevation Not Measured

0.07 Feet/Min Borehole Point Dilution Test Result

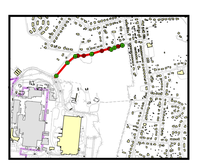

Plate 1

Former York Naval Ordnance Plant
1425 Eden Road, York, PA 17402

Cross Section E-E'

DRAWN BY: AJM | DATE: 3/5/2013 | CHECKED & APPROVED BY: JSR/SMS

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