2014 ANNUAL MONITORING PROGRESS REPORT FOR THE NPBA EXTRACTION SYSTEM SHUTDOWN
Former York Naval Ordnance Plant
1425 Eden Road, Springettsbury Township
York, Pennsylvania

Prepared for:

Harley-Davidson Motor Company Operations, Inc.

1425 Eden Road

York, Pennsylvania

April 2015

Prepared by:

Groundwater Sciences Corporation

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LIST OF ACRONYMS AND ABBREVIATIONS

µg/l	microgram per liter
amsl	above mean sea level
bgs	below ground surface
cis-1,2DCE	cis-1,2-dichloroethene
COC	chemicals of concern
ft	feet
FSP	Field Sampling Plan
fYNOP	former York Naval Ordnance Plant
GSC	Groundwater Sciences Corporation
Harley-Davidson	Harley-Davidson Motor Company Operations, Inc.
LTM	long-term monitoring
MSC	Medium-Specific Concentration
NPBA	Northeast Property Boundary Area
PADEP	Pennsylvania Department of Environmental Protection
Part 2 SGWRI	Part 2 of the Supplemental Groundwater Remedial Investigation
PCE	tetrachloroethene
TCE	trichloroethene
U	undetected
USEPA	United States Environmental Protection Agency
VOCs	volatile organic compounds

1 INTRODUCTION

Groundwater Sciences Corporation (GSC) has prepared this progress report of the results of the 2014 annual groundwater monitoring of the Northeast Property Boundary Area (NPBA) groundwater extraction system shutdown at the former York Naval Ordnance Plant located at 1425 Eden Road, Springettsbury Township, York, Pennsylvania (fYNOP or Site, **Figure 1**). The groundwater extraction system at the NPBA, operated since November 1990, has been shut down since June 19, 2013 when it was turned off to monitor the effects on groundwater flow patterns and chemistry during a period of non-pumping. The monitored shutdown test was performed as a component of the Part 2 Supplemental Groundwater Remedial Investigation (Part 2 SGWRI), and resulted in continued shutdown, annual monitoring and reporting. This first year progress report includes the annual monitoring data for 2014. Results are described in Section 2 and the work plan for 2015 is described in Section 3. References are provided in Section 4.

The rationale and plan for deactivation and evaluation of the NPBA groundwater extraction system are described in Section 8.7.5 of the Supplemental Remedial Investigation Groundwater Report (Part 1) (GSC, 2011) and Section 4.3.4 of the Field Sampling Plan (FSP) for the Part 2 SGWRI (GSC, 2012) and Addendum #6 to the FSP (GSC, 2013). Results of the monitored shutdown test were included in a report titled "Results of NPBA Extraction System and Bldg3 Footer Drain Monitored Shutdown Tests for Part 2 of the Supplemental Groundwater Remedial Investigation" (GSC, 2014). The report was submitted to the US Environmental Protection Agency (USEPA) and the Pennsylvania Department of Environmental Protection (PADEP) on April 11, 2014 and included recommendations for monitoring of the groundwater in the NPBA area. The USEPA approved the shutdown of active pumping of the NPBA groundwater extraction system and annual monitoring in an email reply to Mr. Stephen Snyder of GSC, dated April 17, 2014. The approved monitoring plan involves the monitoring and reporting of groundwater levels and chemistry at the NPBA on an annual basis for a period of five years from 27 locations in and north of the NPBA, and from six additional on-Site locations down-gradient of the NPBA. After the fifth year, long-term shutdown of the NPBA groundwater extraction system will be re-evaluated.

2 2014 ANNUAL MONITORING PROGRESS

Monitoring results collected after one year are discussed in this section, followed by a discussion of the primary concerns (the potential for off-site migration of Site-related chemicals of concern [COCs]). Groundwater locations monitored in 2014 are shown on **Figure 2** and are summarized below:

CW-1	CW-6	MW-12	MW-20M	MW-143S	MW-82
CA-1A	CW-7	MW-16D	MW-20S	RW-2	MW-102D
CW-2	CW-7A	MW-16S	MW-142D	RW-4 (Folk)	MW-102S
CW-3	MW-3	MW-18D	MW-142S	Tate (S-6)	MW-103D
CW-4	MW-9	MW-18S	MW-143D	MW-77	MW-103S
CW-5	MW-11	MW-20D			

2.1 Groundwater Elevations and Gradient

Groundwater elevation measurements at the NPBA were collected three times in 2014 by Leidos Engineering, LLC as part of the Site-wide water level monitoring events on January 16, May 5 and October 7. Elevation measurements collected from all three events in 2014, plus elevations from prior to and during the NPBA groundwater extraction system shutdown testing period are listed in **Table 1**. Generally, of the groundwater elevations collected during the 2014 monitoring events, the highest elevations occurred in May, ranging from 555 feet above mean sea level (ft amsl) at well MW-20D to 382 ft amsl at well MW-143S. The lowest groundwater elevations of 2014 occurred in October, ranging from the high of 539 ft amsl at well MW-20D to 367 ft amsl at MW-143S. It should be noted that the groundwater elevation measurement at well RW-4 (Folk) was only collected on October 11, 2014 due to inaccessibility of the well during the water level collection events. Wells RW-1, RW-3 and the spring Herman (S-7) are not accessible for monitoring – property owners have denied access to RW-3 and Herman (S-7), and RW-1 is believed to be abandoned.

Groundwater elevation contours of measurements collected on October 7, 2014 are shown on **Figure 3**. These contours represent the shallow groundwater elevation under natural flow

conditions (non-pumping conditions) and show a lateral gradient that slopes toward the southwest. As interpreted and under isotropic conditions, groundwater flow is theoretically perpendicular to contours and would indicate that groundwater from the NPBA may minimally flow off-Site to the west between wells MW-142 D&S and MW-143 D&S, but flows back onto the Site immediately west of MW-143 D&S. A groundwater flow direction arrow is shown on **Figure 3** illustrating the theoretical groundwater flow path if the aquifer were isotropic. It is noted that the flow path, as drawn, is essentially parallel to the property line. However, factors such as a small change to the groundwater contour orientation, the consideration of anisotropic and heterogeneous aquifer permeability, combined with the lack of water level observation points to the north and west of MW-18 add uncertainty to the flow path interpretation.

Groundwater elevations and potentiometric contours from October 7, 2014 are shown in the cross section on **Figure 4.** Vertical groundwater gradients can be observed on the figure for nested wells MW-18S&D; MW-20S, I, & D; MW-142S&D; and MW-143S&D. In each of these wells except MW-142S&D, the groundwater elevation of the deeper well is higher than the elevation in the shallower well pair. This indicates that vertical groundwater flow is upward at these well locations under non-pumping conditions. Water level measurements were not collected at well MW-16D because of inaccessibility due to equipment installed on the well to prevent artesian flow; therefore, it is inferred that an upward vertical flow also exists at the MW-16 nested well pair, consistent with previous measurements when MW-16D was measured. Given this vertically upward flow gradient, dissolved COCs would not migrate deeper into the aquifer under natural (non-pumping) conditions.

Comparing the October 2014 groundwater elevations and potentiometric contours to the September 2013 post-shutdown elevations and contours, there is essentially no change in the NPBA area.

2.2 Groundwater Chemistry

Groundwater sample collection occurred from October 14 through October 23, 2014, coincident with comprehensive sampling across the entire Site. Samples were submitted to TestAmerica Pittsburgh for analysis of volatile organic compounds by Method 8260C. Recent chemistry data for the NPBA wells are summarized in **Table 2.** Historical chemistry data are shown on the graphs in **Appendix A** and in the table in **Appendix B**. **Figure 5** and **Figure 6** show posted trichloroethene (TCE) and tetrachloroethene (PCE) chemistry data from pre-shutdown, post-shutdown testing and

the post-shutdown 2014 annual sampling events in plan view and cross-sectional view, respectively, for these primary COCs. Small changes between the September 2013 post-shutdown and October 2014 annual sampling chemistry are noted at most of the sample locations, with the majority of samples (25 of 27) decreasing or remaining about the same with respect to COCs. The only locations that exhibited increases in COC concentrations were at pumping wells CW-2 and CW-5.

In addition to the 27 wells listed above for long-term monitoring (LTM), groundwater chemistry data from Wells MW-77, MW-82, MW-102 D&S, and MW-103 D&S also have been compared to historical data. These wells are located downgradient of the NPBA, theoretically receiving groundwater flow from the NPBA. TCE, PCE and cis-1,2-dichloroethene (cis-1,2DCE) concentrations were stable compared to the historical groundwater data in each of these wells.

The following bulleted text is taken from the monitored shutdown report (GSC, 2014), which explains the chemistry trends seen 12 weeks after extraction system shut down. Added to that text is a brief summary of observations of changes approximately one year later. The added text is included in *italics.* Reference to **Figures 5** and **6**, **Table 2** and graphs in **Appendix A** will help the reader.

- Five wells are located in the eastern-most extent of the NPBA. MW-20S, M, D and CW-7 and CW-7A are within 20 ft of each other, and sample different depths in the aquifer, from 28 ft – 61 ft (MW-20S) to 153 ft – 165 ft (MW-20D). CW-7 is open to the bedrock aquifer from 61 ft – 150 ft, while CW-7A screens residuum and saprolite (decomposed bedrock maintaining the structural features of the bedrock) from 34 ft – 66 ft below ground surface (bgs). Concentrations of TCE are highest near the surface, and decrease with depth, with groundwater from MW-20S showing the highest concentrations during pumping. MW-20S concentrations dropped after cessation of pumping, suggesting TCE was being pulled through that well by pumping, and potentially indicating the location of higher concentrations of TCE to be to the east of MW-20S. CW-7A concentrations increased after cessation of pumping, indicating portions of the flow drawn in by pumping most likely had been diluting the concentrations. CW-7 TCE concentrations dropped after pumping ceased, indicating pumping of that well was likely drawing mass from the shallow portion of the aquifer.

2014 sample results suggest no significant changes from the description above. Concentrations of TCE in CW-7A decreased to a level closer to the pre-shutdown concentration.

- Pumping wells CW-1 and CW-1A are open to a depth of 68 ft – 175 ft and 29 ft – 74 ft, respectively. TCE concentrations in these wells prior to cessation of pumping were nearly the same at 33 and 35 micrograms per liter (µg/l), respectively. With the pumps off, concentrations in both wells dropped to 9.4 µg/l in CW-1 and 26 µg/l in CW-1A.

  One year later, the TCE concentration in CW-1 reduced to 1.8 µg/l, while the TCE concentration in CW-1A remained nearly unchanged (31 µg/l).

- Monitoring well MW-11, which lies west of CW-1 and CW-1A and east of CW-2 showed no change in pre- and post-shutdown TCE concentrations (pre-shutdown = 4.5 µg/l vs. post-shutdown = 4.9 µg/l). The water level in this well is higher than wells on either side of it, and there was no apparent recovery (rise) in water level when the extraction wells were shut down. The lack of response in both chemistry and water level, combined with the higher water level than in adjacent wells indicates that water from well MW-11 is not sufficiently hydraulically connected to the pumped portion of the aquifer or that it is being supported by an artesian condition below the pumping wells (deeper water sourced from the elevated area to the east).

  2014 sample results suggest no significant changes from the description above. Well MW-3, located down-gradient of and about 600 feet southwest of MW-11, showed no change in concentrations compared to 2013 data.

- Pumping well CW-2 and adjacent monitoring well MW-9 decreased in TCE concentrations after cessation of pumping. Since the groundwater flow direction at MW-9 while pumping was toward the northwest, and that flow direction would have changed to southwestward when CW-2 stopped pumping, the change in chemistry probably indicates higher concentrations of TCE in groundwater being pulled from the southeast of MW-9. With the cessation of pumping, the concentration of PCE in CW-2 went from undetected (U) to 3 µg/l. PCE was detected in this well prior to initiation of the extraction system at 2 to 4 µg/l. The reappearance suggests the concentration of PCE was being diluted by pulling

groundwater from a greater distance away from CW-2. These pre- and post-shutdown results suggest that PCE is adsorbed onto the aquifer material at a location close to or discretely connected to CW-2.

2014 sample results suggest no significant changes from the description above. CW-2 TCE concentrations increased slightly to a level similar to pre-shutdown conditions.

- The TCE concentration in off-Site former residential supply well RW-2, located 150 ft northwest of CW-2 rose slightly between pre- (1.2 µg/l) and post- (1.9 µg/l) shutdown sampling, but the change is within its normal range of TCE concentrations during pumping. This well has been below applicable medium-specific concentrations (MSCs) for all site-related COCs since 2003 and the TCE concentrations have ranged from 1.4 (in 2006) to 3.9 (in 2009) over the last seven years of annual sampling.

  2014 sample results suggest no significant changes from the description above. The TCE concentration measured one year later was 3.1 µg/l.

- TCE and PCE concentrations decreased in pumping well CW-4 after cessation of pumping. Adjacent monitoring well MW-12, southwest of CW-4 more than doubled in TCE and PCE concentrations after pumping stopped. This suggests that higher concentrations of these COCs may be located south or southeast of CW-4 and northeast of MW-12, in a position that is upgradient from MW-12 under the static post-shutdown groundwater potentiometric surface conditions.

  2014 sample results suggest no significant changes from the description above. Concentrations of TCE and PCE continued to drop significantly, while MW-12 levels moderated.

- Pumping well CW-3 and adjacent well pair MW-16S and MW-16D are located near the center of the row of extraction wells along the NPBA. The groundwater chemistry in MW-16S is notable in that it shows the highest concentration of PCE in the NPBA, where TCE is the dominant COC. CW-3 concentrations of TCE increased slightly, with the cessation of pumping, but remained in single digits. A pre-shutdown sample of MW-16S could not be analyzed due to excessive turbidity. However, compared to previous samples collected

during pumping, the concentration appears to have reduced significantly under post-shutdown conditions. MW-16D, screened at a depth bgs of 190 ft – 201 ft, is artesian, and groundwater quality is minimally influenced by the COCs in the shallower zones in the immediate vicinity, indicated by PCE concentrations being undetected (U).

2014 sample results suggest no significant changes from the description above.

- Pumping wells CW-5 and CW-6 are west and down-gradient of the CW-3/MW-16 cluster of wells. After cessation of pumping, TCE and PCE concentrations in CW-6 dropped, suggesting during pumping this well was pulling COCs sourced some distance away from the pumping well. Since the reduction in PCE concentrations was disproportionately high, CW-6 was probably pulling in groundwater with PCE from the MW-16S area. After cessation of pumping, TCE and PCE concentrations in CW-5 increased slightly.

  2014 sample results suggest no significant changes from the description above. After one year, CW-6 concentrations continued to drop, while CW-5 concentrations continued to increase slightly.

- Well pair MW-18S and MW-18D are open from 45 ft – 65 ft and 130 ft – 140 ft bgs, respectively. When sampled in 1988, MW-18S had a relatively low concentration of TCE at 50 µg/l, and MW-18D had no detections of volatile organic compounds (VOCs). At the time, this data was considered an indication of the western limit of the plume. These wells were resampled in 2008, and showed concentrations of TCE exceeding 1,000 µg/l in both wells. It was assumed that VOCs were mobilized by the extraction system and pulled through these wells, suggesting a source to the west of this well pair, with VOCs transported by groundwater being pulled eastward toward CW-5 and the other groundwater extraction system wells. As indicated by time vs. concentration graphs in **Appendix A**, concentrations of VOCs in wells MW-18S and MW-18D have generally declined over the last 4 to 6 years. The pre-shutdown concentration of TCE in MW-18S was 220 µg/l while the post-shutdown concentration was 45 µg/l. The pre-shutdown concentration of TCE in MW-18D was 560 µg/l while the post-shutdown concentration was 42 µg/l. Changes that large suggest the pumping of the extraction wells was pulling VOCs through the MW-18 well pair from a source located west of the well pair.

2014 sample results suggest no significant changes from the description above. Continued reductions of TCE concentrations in MW-18S (5.5 µg/l) and MW-18D (8.1 µg/l) support the opinion regarding the reason for the observed concentration changes. Wells MW-142S&D and MW-143S&D, located down-gradient of MW-18S&D, continued to exhibit undetected or very low COC concentrations (TCE concentration of 1.9 µg/l at MW-143S).

2.3 Potential for Off-Site Plume Migration in the NPBA

The two primary potential groundwater flow paths for off-Site plume migration in the NPBA are 1) the potential for migration to the north toward former residential water supply wells and, 2) potential for migration to the west across the Site property line in the vicinity of monitoring well pair MW-18S&D.

2.3.1 Potential for Migration to the North

The monitored shutdown report (GSC, 2014) concluded that "natural migration of COCs northward from the NPBA appears to be unlikely" based on the groundwater level contours developed from water levels in wells under non-pumping conditions after shutdown.

*Groundwater level contours in plan (**Figure 3**) and profile (**Figure 4**) views are essentially the same as the post-shutdown conditions. No modification to the previous evaluation is warranted by the water level data. Similarly, groundwater chemistry results are consistent with the post-shutdown results, and show no indications of northward migration. Specifically, Site-related COCs have been undetected or detected at concentrations below regulatory thresholds in off-Site locations north of the Site at RW-2, RW-4 and Tate (S-6).*

2.3.2 Potential for Migration to the West

The monitored shutdown report (GSC, 2014) established the existence of a natural (non-pumping) gradient to the south to southwestward in the area of MW-18S&D. This gradient is essentially parallel to the Site property line. The analysis of the gradient from the September 2014 water levels in this area is consistent with that previous condition.

Groundwater chemistry in down-gradient wells MW-142S&D, MW-143S&D, MW-77, MW-82, MW-102S&D and MW-103S&D one year after shutdown is essentially unchanged.

3 SUMMARY

Groundwater levels and chemical analyses from the September 2014 long term monitoring of the NPBA area indicate stable (unchanged) conditions from the initial post-shutdown conditions.

The work plan for 2015 is to continue the monitoring of the NPBA groundwater extraction system shutdown, with annual collection of water level measurements and groundwater samples for analysis of volatile organic compounds. No changes to the plan are recommended. The annual groundwater level and sampling will coincide with the larger-scope 2015 comprehensive event which is planned for late summer or early fall. The 2015 water level data chemistry data will be analyzed and a progress report will be prepared during the first quarter of 2016. Analysis of the chemistry data also will include wells MW-77, MW-82, MW-102 D&S and MW-103 D&S located downgradient from the NPBA. The plan is to continue annual monitoring for a total of five years and then evaluate the possibility of decommissioning the NPBA groundwater extraction system. However, if data indicate migration off-Site of elevated concentrations of COCs, the operational status of the groundwater extraction system will be evaluated sooner.

4 REFERENCES

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

GSC, 2012. Field Sampling Plan For Part 2 of the Supplemental Groundwater Remedial Investigation at the former York Naval Ordnance Plant in York, Pennsylvania, April.

GSC, 2013. Addendum #6, to Field Sampling Plan for Part 2 of the Supplemental Groundwater Remedial Investigation Former York Naval Ordnance Plant, March 20.

GSC, 2014. Results of NPBA Extraction System and Bldg3 Footer Drain Monitored Shutdown Tests for Part 2 of the Supplemental Groundwater Remedial Investigation Former York Naval Ordnance Plant, April.

USEPA Region 3, Email from Mr. Griff Miller to Mr. Stephen Snyder (GSC), dated April 17, 2014.

Tables

Table 1
Former York Naval Ordnance Plant- York, PA
Northeast Property Boundary
Long-Term Monitoring Level Measurments

		6/6/13			6/11/13			6/12/13			6/17/13			6/27/13			7/5/13			7/12/13			7/16/13			7/25/13		
		NPBA Shutdown Test Pre-Shutdown			NPBA Shutdown Test Event 1			NPBA Shutdown Test Event 2			NPBA Shutdown Test Event 3			NPBA Shutdown Test Event 4			NPBA Shutdown Test Event 5			NPBA Shutdown Test Event 6			NPBA Shutdown Test Event 7			NPBA Shutdown Test Event 8		
Site Type	Location	MPE	DTW	WL Elev	MPE	DTW	WL Elev	MPE	DTW	WL Elev	MPE	DTW	WL Elev	MPE	DTW	WL Elev	MPE	DTW	WL Elev	MPE	DTW	WL Elev	MPE	DTW	WL Elev	MPE	DTW	WL Elev
Collection Well	CW-1	570.07	72.12	497.95	NM	NM	NM	570.07	72.08	497.99	570.07	75.16	494.91	570.07	41.99	528.08	570.07	41.74	528.33	570.07	41.69	528.38	570.07	41.69	528.38	570.07	41.19	528.88
Collection Well	CW-1A	568.28	60.60	507.68	NM	NM	NM	568.28	61.53	506.75	568.28	61.12	507.16	568.28	38.17	530.11	568.28	38.72	529.56	568.28	38.65	529.63	568.28	38.05	530.23	568.28	37.38	530.90
Collection Well	CW-2	556.95	68.66	488.29	NM	NM	NM	556.95	71.17	485.78	556.95	75.50	481.45	556.95	31.54	525.41	556.95	31.02	525.93	556.95	29.80	527.15	NM	NM	NM	556.95	26.18	530.77
Collection Well	CW-3	518.66	80.80	437.86	518.66	81.57	437.09	NM	NM	NM	518.66	81.33	437.33	518.66	21.68	496.98	518.66	20.81	497.85	518.66	20.39	498.27	518.66	20.28	498.38	518.66	19.79	498.87
Collection Well	CW-4	541.55	85.70	455.85	541.55	15.32 AN	526.23	NM	NM	NM	541.55	84.84	456.71	541.55	27.75	513.80	541.55	26.94	514.61	541.55	27.20	514.35	NM	NM	NM	541.55	26.30	515.25
Collection Well	CW-5	470.34	NM	NM	NM	NM	NM	NM	NM	NM	470.34	47.49	422.85	470.34	19.49	450.85	470.34	19.38	450.96	NM	NM	NM	470.34	19.60	450.74	470.34	19.35	450.99
Collection Well	CW-6	484.67	70.70	413.97	484.67	70.67	414.00	NM	NM	NM	484.67	73.48	411.19	484.67	10.33	474.34	484.67	9.30	475.37	484.67	9.10	475.57	484.67	9.03	475.64	484.67	8.91	475.76
Collection Well	CW-7	573.78	86.40	487.38	NM	NM	NM	573.78	86.66	487.12	573.78	81.60	492.18	573.78	40.08	533.70	573.78	39.98	533.80	573.78	42.02	531.76	573.78	40.10	533.68	573.78	39.80	533.98
Collection Well	CW-7A	573.91	48.90	525.01	NM	NM	NM	573.91	48.55	525.36	573.91	50.10	523.81	573.91	41.88	532.03	573.91	41.87	532.04	573.91	41.85	532.06	573.91	41.88	532.03	573.91	41.60	532.31
Monitoring Well	MW-3	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Monitoring Well	MW-9	558.78	47.34	511.44	NM	NM	NM	558.78	47.22	511.56	558.78	46.32	512.46	558.78	34.23	524.55	558.78	33.45	525.33	558.78	32.90	525.88	NM	NM	NM	558.78	32.20	526.58
Monitoring Well	MW-10	567.80	51.94	515.86	NM	NM	NM	NM	NM	NM	567.80	51.45	516.35	567.80	40.92	526.88	567.80	40.77	527.03	567.80	40.75	527.05	NM	NM	NM	567.80	40.21	527.59
Monitoring Well	MW-11	563.08	27.84	535.24	NM	NM	NM	563.08	25.84	537.24	563.08	26.49	536.59	563.08	27.47	535.61	563.08	27.83	535.25	563.08	27.11	535.97	NM	NM	NM	563.08	24.64	538.44
Monitoring Well	MW-12	535.93	37.43	498.50	535.93	37.32	498.61	NM	NM	NM	535.93	37.59	498.34	535.93	35.55	500.38	535.93	34.95	500.98	535.93	34.26	501.67	NM	NM	NM	535.93	34.04	501.89
Monitoring Well	MW-16D	516.51	8.63	507.88	516.51	7.96	508.55	NM	NM	NM	516.51	7.73	508.78	521.59	4.00	517.59	521.59	1.85	519.74	521.59	1.11	520.48	521.59	1.13	520.46	521.59	0.84	520.75
Monitoring Well	MW-16S	516.60	35.87	480.73	516.60	37.90	478.70	NM	NM	NM	516.60	36.43	480.17	516.60	23.30	493.30	516.60	22.10	494.50	516.60	21.39	495.21	516.60	21.22	495.38	516.60	21.02	495.58
Monitoring Well	MW-18D	464.19	16.75	447.44	464.19	16.88	447.31	NM	NM	NM	464.19	16.56	447.63	469.20	A	A	469.20	0.75	468.45	469.20	0.81	468.39	469.20	0.70	468.50	469.20	0.88	468.32
Monitoring Well	MW-18S	464.12	16.98	447.14	464.12	26.70	437.42	NM	NM	NM	464.12	16.27	447.85	464.12	A	A	464.12	0.98	463.14	469.14	0.90	468.24	469.14	0.85	468.29	469.14	1.90	467.24
Monitoring Well	MW-20D	573.85	38.59	535.26	NM	NM	NM	573.85	38.12	535.73	573.85	38.21	535.64	573.85	31.76	542.09	573.85	31.86	541.99	573.85	32.00	541.85	573.85	32.10	541.75	573.85	31.36	542.49
Monitoring Well	MW-20M	574.19	46.59	527.60	NM	NM	NM	574.19	46.39	527.80	574.19	45.98	528.21	574.19	41.47	532.72	574.19	41.37	532.82	574.19	41.32	532.87	574.19	41.35	532.84	574.19	41.33	532.86
Monitoring Well	MW-20S	574.05	46.53	527.52	NM	NM	NM	574.05	46.10	527.95	574.05	46.08	527.97	574.05	42.24	531.81	574.05	42.13	531.92	574.05	42.19	531.86	574.05	42.25	531.80	574.05	41.93	532.12
Monitoring Well	MW-31D	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Monitoring Well	MW-31S	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Monitoring Well	MW-70D	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Monitoring Well	MW-70S	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Monitoring Well	MW-82	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Monitoring Well	MW-102D	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Monitoring Well	MW-102S	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Monitoring Well	MW-142D	437.78	16.20	421.58	437.78	15.58	422.20	NM	NM	NM	437.78	15.72	422.06	437.78	16.11	421.67	437.78	16.31	421.47	437.78	16.30	421.48	437.78	16.27	421.51	437.78	15.78	422.00
Monitoring Well	MW-142S	437.44	4.57	432.87	437.44	3.60	433.84	NM	NM	NM	437.44	3.95	433.49	437.44	3.89	433.55	437.44	3.75	433.69	437.44	3.84	433.60	437.44	3.55	433.89	437.44	2.74	434.70
Monitoring Well	MW-143D	403.71	9.44	394.27	403.71	8.65	395.06	NM	NM	NM	403.71	8.70	395.01	408.81	14.89	393.92	408.81	15.17	393.64	408.81	15.24	393.57	408.81	15.29	393.52	408.81	14.88	393.93
Monitoring Well	MW-143S	403.56	31.72	371.84	403.56	30.93	372.63	NM	NM	NM	403.56	30.77	372.79	403.56	31.57	371.99	403.56	32.04	371.52	403.56	32.05	371.51	403.56	32.05	371.51	403.56	31.99	371.57
Residential Well	RW-4 (Folk)	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	575.93	43.47	532.46
Residential Well	RW-2	NM	NM	NM	548.27	28.21	520.06	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Staff Gauge	TATE (S-6) Staff Gauge	NM	NM	NM	NM	NM	NM	488.86	1.10	488.96	488.86	0.90	488.76	488.86	1.05	488.91	488.86	1.30	489.16	488.86	1.40	489.26	488.86	1.40	489.26	488.86	1.09	488.95

MPE: Measuring Point Elevation
DTW: Depth to Water
WL Elev: Water level Elevation
NM: Not Measured
A: Artesian
D: Dry
*: RW-4 Measurement collected on 10/11/2014

AN: Anomalous Reading
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Table 1
Former York Naval Ordnance Plant- York, PA
Northeast Property Boundary
Long-Term Monitoring Level Measurments

		7/31/13			8/8/13			8/28/13			11/22/13			1/16/14			5/5/14			10/7/14		
		NPBA Shutdown Test Event 9			NPBA Shutdown Test Event 10			August 2013 Site Wide Water Levels			November 2013 Site Wide Water Levels			January 2014 Site Wide Water Levels			May 2014 Site Wide Water Levels			October 2014 Site Wide Water Levels *		
Site Type	Location	MPE	DTW	WL Elev	MPE	DTW	WL Elev	MPE	DTW	WL Elev	MPE	DTW	WL Elev	MPE	DTW	WL Elev	MPE	DTW	WL Elev	MPE	DTW	WL Elev
Collection Well	CW-1	570.07	41.30	528.77	570.07	41.43	528.64	570.07	40.60	529.47	570.07	40.80	529.27	570.07	36.71	533.36	570.07	32.90	537.17	570.07	43.15	526.92
Collection Well	CW-1A	568.28	37.78	530.50	568.28	38.05	530.23	568.28	37.39	530.89	568.28	37.90	530.38	568.28	30.52	537.76	568.28	26.83	541.45	568.28	40.21	528.07
Collection Well	CW-2	556.95	28.71	528.24	556.95	29.96	526.99	556.95	28.97	527.98	556.95	30.75	526.20	556.95	16.28	540.67	556.95	16.81	540.14	556.95	32.32	524.63
Collection Well	CW-3	518.66	19.74	498.92	518.66	19.65	499.01	518.66	19.23	499.43	518.66	19.90	498.76	518.66	17.11	501.55	518.66	15.58	503.08	518.66	18.92	499.74
Collection Well	CW-4	541.55	26.34	515.21	541.55	26.28	515.27	541.55	25.50	516.05	541.55	25.25	516.30	541.55	21.93	519.62	541.55	28.47	513.08	541.55	26.50	515.05
Collection Well	CW-5	470.34	19.50	450.84	470.34	19.42	450.92	470.34	19.42	450.92	470.34		NM	470.34	16.70	453.64	470.34	15.30	455.04	470.34	19.47	450.87
Collection Well	CW-6	484.67	9.22	475.45	484.67	8.65	476.02	484.67	8.00	476.67	484.67	8.00	476.67	484.67	5.33	479.34	484.67	4.46	480.21	484.67	8.51	476.16
Collection Well	CW-7	573.78	39.85	533.93	573.78	39.95	533.83	573.78	39.06	534.72	573.78	39.20	534.58	573.78	32.61	541.17	573.78	20.58	553.20	573.78	41.77	532.01
Collection Well	CW-7A	573.91	41.74	532.17	573.91	41.98	531.93	573.91	41.28	532.63	573.91	41.55	532.36	573.91	35.25	538.66	573.91	31.44	542.47	573.91	44.15	529.76
Monitoring Well	MW-3	NM	NM	NM	NM	NM	NM	541.10	65.30	475.80	541.10	65.74	475.36	541.10	58.91	482.19	541.10	53.75	487.35	541.10	67.75	473.35
Monitoring Well	MW-9	558.78	32.49	526.29	558.78	32.66	526.12	558.78	31.82	526.96	558.78	32.32	526.46	558.78	26.93	531.85	558.78	24.44	534.34	558.78	33.66	525.12
Monitoring Well	MW-10	567.80	40.35	527.45	567.80	40.42	527.38	567.80	39.60	528.20	567.80	39.77	528.03	567.80	34.52	533.28	567.80	31.61	536.19	567.80	42.03	525.77
Monitoring Well	MW-11	563.08	25.83	537.25	563.08	26.73	536.35	563.08	26.75	536.33	563.08	28.50	534.58	563.08	18.70	544.38	563.08	19.08	544.00	563.08	30.18	532.90
Monitoring Well	MW-12	535.93	34.20	501.73	535.93	34.29	501.64	535.93	34.12	501.81	535.93	34.98	500.95	535.93	29.34	506.59	535.93	25.47	510.46	535.93	35.72	500.21
Monitoring Well	MW-16D	521.59	0.86	520.73	521.59	0.89	520.70	516.51	0.00	516.51	516.51	A	A	516.51	NM	NM	516.51	NM	NM	516.51	NM	NM
Monitoring Well	MW-16S	516.60	21.08	495.52	516.60	21.07	495.53	516.60	20.85	495.75	516.60	19.25	497.35	516.60	16.65	499.95	516.60	15.31	501.29	516.60	20.83	495.77
Monitoring Well	MW-18D	469.20	A	A	479.46	8.14	471.32	479.46	8.91	470.55	464.19	NM	NM	464.19	NM	NM	464.19	NM	NM	464.19	0.53	463.66
Monitoring Well	MW-18S	469.14	3.18	465.96	469.14	0.77	468.37	469.14	NM	NM	464.12	NM	NM	464.12	NM	NM	464.12	NM	NM	464.12	A	A
Monitoring Well	MW-20D	573.85	31.53	542.32	573.85	31.80	542.05	573.85	30.43	543.42	573.85	31.10	542.75	573.85	23.18	550.67	573.85	18.87	554.98	573.85	34.43	539.42
Monitoring Well	MW-20M	574.19	41.22	532.97	574.19	41.33	532.86	574.19	40.62	533.57	574.19	40.80	533.39	574.19	35.00	539.19	574.19	39.40	534.79	574.19	43.59	530.60
Monitoring Well	MW-20S	574.05	42.10	531.95	574.05	42.30	531.75	574.05	41.65	532.40	574.05	42.08	531.97	574.05	35.30	538.75	574.05	31.39	542.66	574.05	44.55	529.50
Monitoring Well	MW-31D	NM	NM	NM	369.30	17.56	351.74	369.30	17.47	351.83	369.30	19.27	350.03	369.30	12.86	356.44	369.30	10.43	358.87	369.30	19.53	349.77
Monitoring Well	MW-31S	NM	NM	NM	369.28	17.20	352.08	369.28	17.06	352.22	369.28	18.98	350.30	369.28	12.52	356.76	369.28	10.41	358.87	369.28	19.26	350.02
Monitoring Well	MW-70D	NM	NM	NM	416.31	23.20	393.11	416.31	23.50	392.81	416.31	23.87	392.44	416.31	16.45	399.86	416.31	11.40	404.91	416.31	26.24	390.07
Monitoring Well	MW-70S	NM	NM	NM	416.21	23.20	393.01	416.21	23.14	393.07	416.21	23.50	392.71	416.21	16.70	399.51	416.21	11.64	404.57	416.21	25.75	390.46
Monitoring Well	MW-82	NM	NM	NM	382.18	36.23	345.95	382.18	36.74	345.44	382.18	37.91	344.27	382.18	31.56	350.62	382.18	29.06	353.12	382.18	37.04	345.14
Monitoring Well	MW-102D	NM	NM	NM	405.23	12.91	392.32	405.23	12.74	392.49	405.23	13.20	392.03	405.23	5.75	399.48	405.23	0.71	404.52	405.23	42.53	362.70
Monitoring Well	MW-102S	NM	NM	NM	405.41	39.14	366.27	405.41	38.54	366.87	405.41	40.33	365.08	405.41	31.90	373.51	405.41	26.83	378.58	405.41	15.60	389.81
Monitoring Well	MW-142D	437.78	16.09	421.69	437.78	16.36	421.42	437.78	16.30	421.48	437.78	16.75	421.03	437.78	12.75	425.03	437.78	11.05	426.73	437.78	17.82	419.96
Monitoring Well	MW-142S	437.44	3.29	434.15	437.44	3.38	434.06	437.44	3.52	433.92	437.44	3.70	433.74	437.44	0.82	436.62	437.44	0.00	437.44	437.44	4.24	433.20
Monitoring Well	MW-143D	403.71	9.79	393.92	403.71	10.25	393.46	403.71	10.01	393.70	403.71	10.70	393.01	403.71	3.17	400.54	403.71	0.05	403.66	403.71	12.04	391.67
Monitoring Well	MW-143S	403.56	31.85	371.71	403.56	32.25	371.31	403.56	34.57	368.99	403.56	33.65	369.91	403.56	25.03	378.53	403.56	21.73	381.83	403.56	36.54	367.02
Residential Well	RW-4 (Folk)	575.93	43.58	532.35	575.93	43.74	532.19	575.93	NM	NM	575.93	NM	NM	575.93	NM	NM	575.93	NM	NM	575.93	46.51*	529.42
Residential Well	RW-2	NM	NM	NM	548.46	21.79	526.67	548.46	21.13	527.33	548.46	NM	NM	548.46	NM	NM	548.46	14.44	534.02	548.46	22.54	525.92
Staff Gauge	TATE (S-6) Staff Gauge	488.86	1.04	488.90	488.86	1.05	488.91	488.86	NM	NM	488.86	NM	NM	488.86	NM	NM	488.86	1.32	489.18	488.86	NM	NM

MPE: Measuring Point Elevation
DTW: Depth to Water
WL Elev: Water level Elevation
NM: Not Measured
A: Artesian
D: Dry
*: RW-4 Measurement collected on 10/11/2014

AN: Anomalous Reading
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Table 2
Groundwater Data Summary - NPBA 2013 to 2014
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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-3 9/11/13	MW-3 10/14/14	MW-9 6/10/13	MW-9 9/12/13	MW-9 10/16/14	MW-11 6/10/13	MW-11 9/10/13	MW-11 10/16/14	MW-12 5/31/13	MW-12 Dup 5/31/13	MW-12 9/12/13	MW-12 10/17/14	MW-16D 6/11/13	MW-16D 9/10/13	MW-16D Dup 9/10/13	MW-16D 10/16/14	MW-16S 9/10/13	MW-16S 10/22/14	MW-18D 2/7/13	MW-18D 6/11/13	MW-18D 9/10/13	MW-18D 10/23/14	MW-18S 2/7/13	MW-18S 6/11/13	MW-18S 9/9/13	MW-18S 10/23/14	MW-20D 6/18/13	MW-20D 9/11/13
TOTAL VOC																																	
Total VOC					36.29	34.91	110	76	71.22	5.07	5.69	4.05	116.8	84.8	179	142.4	23.9	23.8	25.8	18.4	527.2	157.3	1354	937	112.9	22.68	296.3	333.8	119.7	12.84	0.61	0.8
Volatile Organic Compound																																	
1,1,1,2-Tetrachloroethane	70	70		0.57	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	4 U	2 U	5 U	1.0 UJ	1 U	1 U	1 U	1.0 U	25 U	1.0 U	40 U	40 U	5 U	1.0 U	10 U	10 U	5 U	1.0 U	1 U	1 U
1,1,1-Trichloroethane	200	200	200	8000	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	4 UJ	2 U	5 U	1.0 UJ	1 U	1 U	1 U	1.0 U	25 U	1.0 U	40 U	40 U	5 U	1.0 U	10 U	10 U	5 U	1.0 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	4 U	2 U	5 U	1.0 UJ	1 U	1 U	1 U	1.0 U	25 U	1.0 U	40 U	40 U	5 U	1.0 U	10 U	10 U	5 U	1.0 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.28	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	4 U	2 U	5 U	1.0 UJ	1 U	1 U	1 U	1.0 U	25 U	1.0 U	40 U	40 U	5 U	1.0 U	10 U	10 U	5 U	1.0 U	1 U	1 U
1,1-Dichloroethane	31	160		2.7	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	4 U	2 U	5 U	1.0 UJ	1 U	1 U	1 U	1.0 U	25 U	1.0 U	40 U	40 U	5 U	1.0 U	10 U	10 U	5 U	1.0 U	1 U	1 U
1,1-Dichloroethene	7	7	7	280	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	4 UJ	2 U	5 U	1.0 UJ	1 U	1 U	1 U	1.0 U	25 U	1.0 U	40 U	40 U	5 U	1.0 U	10 U	10 U	5 U	1.0 U	1 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	4 U	2 U	5 U	1.0 UJ	1 U	1 U	1 U	1.0 U	25 U	1.0 U	40 U	40 U	5 U	1.0 U	10 U	10 U	5 U	1.0 U	1 U	1 U
1,2-Dichloroethane	5	5	5	0.17	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	4 UJ	2 U	5 U	1.0 UJ	1 U	1 U	1 U	1.0 U	25 U	1.0 U	40 U	40 U	5 U	1.0 U	10 U	10 U	5 U	1.0 U	1 U	1 U
1,2-Dichloropropane	5	5	5	0.44	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	4 U	2 U	5 U	1.0 UJ	1 U	1 U	1 U	1.0 U	25 U	1.0 U	40 U	40 U	5 U	1.0 U	10 U	10 U	5 U	1.0 U	1 U	1 U
1,4-Dioxane	6.4	32		0.78	200 U	200 U	1000 U	1000 U	200 UJ	200 U	200 U	200 U	800 U	400 U	1000 U	200 UJ	200 U	200 U	200 U	200 U	5000 U	200 U	8000 U	8000 U	1000 U	200 U	2000 U	2000 U	1000 U	200 U	200 U	200 U
2-Butanone	4000	4000		5600	5 U	5.0 U	25 U	25 U	5.0 UJ	5 U	5 U	5.0 U	20 U	10 U	25 U	5.0 UJ	5 U	5 U	5 U	5.0 U	130 U	5.0 U	200 U	200 U	25 U	5.0 U	50 U	50 U	25 U	5.0 U	5 U	5 U
2-Hexanone	11	44		38	5 U	5.0 U	25 U	25 U	5.0 UJ	5 U	5 U	5.0 U	20 UJ	10 U	25 U	5.0 UJ	5 U	5 U	5 U	5.0 U	130 U	5.0 U	200 U	200 U	25 U	5.0 U	50 U	50 U	25 U	5.0 U	5 U	5 U
4-Methyl-2-Pentanone	2900	8200		1200	5 U	5.0 U	25 U	25 U	5.0 UJ	5 U	5 U	5.0 U	20 UJ	10 U	25 U	5.0 UJ	5 U	5 U	5 U	5.0 U	130 U	5.0 U	200 U	200 U	25 U	5.0 U	50 U	50 U	25 U	5.0 U	5 U	5 U
Acetone	33000	92000		14000	5 U	5.0 U	25 U	25 U	5.0 UJ	5 U	5 U	5.0 U	20 UJ	10 U	25 U	5.0 UJ	5 U	5 U	5 U	5.0 U	130 U	5.0 U	200 U	200 U	25 U	5.0 U	50 U	50 U	25 U	5.0 U	5 U	5 U
Acrylonitrile	0.72	3.7		0.052	20 U	20 U	100 U	100 U	20 UJ	20 U	20 U	20 U	80 U	40 U	100 U	20 UJ	20 U	20 U	20 U	20 U	500 U	20 U	800 U	800 U	100 U	20 U	200 U	200 U	100 U	20 U	20 U	20 U
Benzene	5	5	5	0.45	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	4 U	2 U	5 U	1.0 UJ	1 U	1 U	1 U	1.0 U	25 U	1.0 U	40 U	40 U	5 U	1.0 U	10 U	10 U	5 U	1.0 U	1 U	1 U
Bromochloromethane	90	90		83	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	4 U	2 U	5 U	1.0 UJ	1 U	1 U	1 U	1.0 U	25 U	1.0 U	40 U	40 U	5 U	1.0 U	10 U	10 U	5 U	1.0 U	1 U	1 U
Bromodichloromethane	80	80		0.13	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	4 U	2 U	5 U	1.0 UJ	1 U	1 U	1 U	1.0 U	25 U	1.0 U	40 U	40 U	5 U	1.0 U	10 U	10 U	5 U	1.0 U	1 U	1 U
Bromoform	80	80		9.2	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	4 U	2 U	5 U	1.0 UJ	1 U	1 U	1 U	1.0 U	25 U	1.0 U	40 U	40 U	5 U	1.0 U	10 U	10 U	5 U	1.0 U	1 U	1 U
Bromomethane	10	10		7.5	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	4 U	2 U	5 U	1.0 UJ	1 U	1 U	1 U	1.0 U	25 U	1.0 U	40 U	40 U	5 U	1.0 U	10 U	10 U	5 U	1.0 U	1 U	1 U
Carbon Disulfide	1500	6200		810	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	4 UJ	2 U	5 U	1.0 UJ	1 U	1 U	1 U	1.0 U	25 U	1.0 U	40 U	40 U	5 U	1.0 U	10 U	10 U	5 U	1.0 U	1 U	1 U
Carbon Tetrachloride	5	5	5	0.45	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	4 UJ	2 U	5 U	1.0 UJ	1 U	1 U	1 U	1.0 U	25 U	1.0 U	40 U	40 U	5 U	1.0 U	10 U	10 U	5 U	1.0 U	1 U	1 U
Chlorobenzene	100	100	100	78	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	4 U	2 U	5 U	1.0 UJ	1 U	1 U	1 U	1.0 U	25 U	1.0 U	40 U	40 U	5 U	1.0 U	10 U	10 U	5 U	1.0 U	1 U	1 U
Chlorodibromomethane	80	80		0.17	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	4 U	2 U	5 U	1.0 UJ	1 U	1 U	1 U	1.0 U	25 U	1.0 U	40 U	40 U	5 U	1.0 U	10 U	10 U	5 U	1.0 U	1 U	1 U
Chloroethane	230	900		21000	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	4 U	2 U	5 U	1.0 UJ	1 U	1 U	1 U	1.0 U	25 U	1.0 U	40 U	40 U	5 U	1.0 U	10 U	10 U	5 U	1.0 U	1 U	1 U
Chloroform	80	80		0.22	2.9	2.6	5 U	5 U	1.0 UJ	0.31 J	0.45 J	0.41 J	4 U	2 U	5 U	1.0 UJ	1 U	1 U	1 U	1.0 U	6.2 J	1.0 U	40 U	40 U	1.2 J	1.0 U	10 U	10 U	5 U	1.0 U	0.45 J	0.46 J
Chloromethane				190	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	4 U	2 U	5 U	1.0 UJ	1 U	1 U	1 U	1.0 U	25 U	1.0 U	40 U	40 U	5 U	1.0 U	10 U	10 U	5 U	1.0 U	1 U	1 U
cis-1,2-Dichloroethene	70	70	70	36	0.66 J	0.75 J	34	32	30 J	1 U	1 U	1.0 U	47 J	25	42	47 J	3.9	7.8	6.8	3.4	40	38	340	350	66	14	79	110	71	7	1 U	1 U
cis-1,3-Dichloropropene	6.6	26		0.47	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	4 U	2 U	5 U	1.0 UJ	1 U	1 U	1 U	1.0 U	25 U	1.0 U	40 U	40 U	5 U	1.0 U	10 U	10 U	5 U	1.0 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	4 U	2 U	5 U	1.0 UJ	1 U	1 U	1 U	1.0 U	25 U	1.0 U	40 U	40 U	5 U	1.0 U	10 U	10 U	5 U	1.0 U	1 U	1 U
Methyl tert-butyl ether	20	20		14	0.26 J	0.23 J	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	4 UJ	2 U	5 U	1.0 UJ	1 U	1 U	1 U	1.0 U	25 U	1.0 U	40 U	40 U	5 U	1.0 U	10 U	10 U	5 U	1.0 U	1 U	1 U
Methylene chloride	5	5		11	1 U	1.0 U	5 U	1 U	1.0 UJ	1 U	1 U	1.0 U	1.1 J	2 U	5 U	1.0 UJ	1 U	1 U	1 U	1.0 U	12 J	1.0 U	40 U	17 J B	2.1 J	1.0 U	3.7 J	10 U	2 J	1.0 U	1 U	1 U
Styrene	100	100	100	1200	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	4 U	2 U	5 U	1.0 UJ	1 U	1 U	1 U	1.0 U	25 U	1.0 U	40 U	40 U	5 U	1.0 U	10 U	10 U	5 U	1.0 U	1 U	1 U
Tetrachloroethene	5	5	5	11	0.47 J	0.33 J	5 U	5 U	0.22 J	0.26 J	0.34 J	0.24 J	1.9 J	1.4 J	4.7 J	5.4 J	1 U	1 U	1 U	1.0 U	450	110	40 U	40 U	5 U	1.0 U	10 U	10 U	5 U	1.0 U	1 U	1 U
Toluene	1000	1000	1000	1100	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	4 U	2 U	5 U	1.0 UJ	1 U	1 U	1 U	1.0 U	25 U	1.0 U	40 U	40 U	5 U	1.0 U	10 U	10 U	5 U	1.0 U	0.16 J	0.34 J
trans-1,2-Dichloroethene	100	100	100	360	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	4 UJ	0.47 J	2.3 J	1.0 UJ	1 U	1 U	1 U	1.0 U	25 U	1.0 U	40 U	40 U	5 U	1.0 U	10 U	10 U	5 U	1.0 U	1 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.47	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	4 U	2 U	5 U	1.0 UJ	1 U	1 U	1 U	1.0 U	25 U	1.0 U	40 U	40 U	5 U	1.0 U	10 U	10 U	5 U	1.0 U	1 U	1 U
Trichloroethene	5	5	5	0.49	32	31	76	44	41 J	4.5	4.9	3.4	63	57	130	90 J	20	16	19	15	19 J	9.3	1000	560	42	8.1	210	220	45	5.5	1 U	1 U
Vinyl Chloride	2	2	2	0.019	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	3.8 J	0.93 J	5 U	1.0 UJ	1 U	1 U	1 U	1.0 U	25 U	1.0 U	14 J	10 J	1.6 J	0.58 J	3.6 J	3.8 J	1.7 J	0.34 J	1 U	1 U
Xylenes (Total)	10000	10000	10000	190	3 U	3.0 U	15 U	15 U	3.0 UJ	3 U	3 U	3.0 U	12 U	6 U	15 U	3.0 UJ	3 U	3 U	3 U	3.0 U	75 U	3.0 U	120 U	120 U	15 U	3.0 U	30 U	30 U	15 U	3.0 U	3 U	3 U

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

Table 2
Groundwater Data Summary - NPBA 2013 to 2014
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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-20D 10/23/14	MW-20M 9/13/13	MW-20M 10/29/14	MW-20S 6/6/13	MW-20S 9/11/13	MW-20S 10/17/14	MW-77 9/9/13	MW-77 10/17/14	MW-82 9/3/13	MW-82 10/23/14	MW-82 Dup 10/23/14	MW-102D 9/11/13	MW-102D 10/21/14	MW-102S 9/12/13	MW-102S 10/21/14	MW-102S Dup 10/21/14	MW-103D 9/10/13	MW-103D 10/17/14	MW-103D Dup 10/17/14	MW-103S 9/11/13	MW-103S 10/17/14	MW-142D 2/7/13	MW-142D 5/31/13	MW-142D 9/10/13	MW-142D 10/13/14
TOTAL VOC																													
Total VOC					0.34	21.6	0.85	237.4	95.5	119.1	1968	1748.8	32.68	32.19	30.39	158	162.35	70.9	64.32	70.3	92.07	86.89	86.87	194.7	169.93	4.1	9.8	5.39	206.2
Volatile Organic Compound																													
1,1,1,2-Tetrachloroethane	70	70		0.57	1.0 U	1 U	1.0 U	5 U	5 U	1.0 UJ	50 U	5.0 UJ	1 U	1.0 U	1.0 U	10 U	1 U	1 U	1 U	1 U	5 U	1.0 UJ	1.0 UJ	10 U	1.0 UJ	1 U	1 U	1 U	1.0 U
1,1,1-Trichloroethane	200	200	200	8000	1.0 U	1 U	1.0 U	5 U	5 U	1.0 UJ	50 U	5.0 UJ	1 U	1.0 U	1.0 U	10 U	1 U	14	9.5	11	5 U	1.0 UJ	1.0 UJ	10 U	1.3 J	1 U	1 UJ	1 U	1.0 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1.0 U	1 U	1.0 U	5 U	5 U	1.0 UJ	50 U	5.0 UJ	1 U	1.0 U	1.0 U	10 U	1 U	1 U	1 U	1 U	5 U	1.0 UJ	1.0 UJ	10 U	1.0 UJ	1 U	1 U	1 U	1.0 U
1,1,2-Trichloroethane	5	5	5	0.28	1.0 U	1 U	1.0 U	5 U	5 U	1.0 UJ	50 U	5.0 UJ	1 U	1.0 U	1.0 U	10 U	1 U	1 U	1 U	1 U	5 U	1.0 UJ	1.0 UJ	10 U	1.0 UJ	1 U	1 U	1 U	1.0 U
1,1-Dichloroethane	31	160		2.7	1.0 U	1 U	1.0 U	5 U	5 U	1.0 UJ	50 U	5.0 UJ	0.48 J	0.58 J	1.0 U	10 U	1 U	1.6	0.92 J	1	5 U	1.0 UJ	1.0 UJ	10 U	0.22 J	1 U	1 U	1 U	1.0 U
1,1-Dichloroethene	7	7	7	280	1.0 U	1 U	1.0 U	5 U	5 U	1.0 UJ	50 U	5.0 UJ	1 U	0.41 J	0.39 J	10 U	1 U	9.1	8.9	9.8	5 U	1.0 UJ	1.0 UJ	10 U	1.7 J	1 U	1 UJ	1 U	1.0 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	1.0 U	1 U	1.0 U	5 U	5 U	1.0 UJ	50 U	5.0 UJ	1 U	1.0 U	1.0 U	10 U	1 U	1 U	1 U	1 U	5 U	1.0 UJ	1.0 UJ	10 U	1.0 UJ	1 U	1 U	1 U	1.0 U
1,2-Dichloroethane	5	5	5	0.17	1.0 U	1 U	1.0 U	5 U	5 U	1.0 UJ	50 U	5.0 UJ	1 U	1.0 U	1.0 U	10 U	1 U	1 U	1 U	1 U	5 U	1.0 UJ	1.0 UJ	10 U	1.0 UJ	1 U	1 U	1 U	1.0 U
1,2-Dichloropropane	5	5	5	0.44	1.0 U	1 U	1.0 U	5 U	5 U	1.0 UJ	50 U	5.0 UJ	1 U	1.0 U	1.0 U	10 U	1 U	1 U	1 U	1 U	5 U	1.0 UJ	1.0 UJ	10 U	1.0 UJ	1 U	1 U	1 U	1.0 U
1,4-Dioxane	6.4	32		0.78	200 U	200 U	200 U	1000 U	1000 U	200 UJ	10000 U	1000 UJ	200 U	200 U	200 U	2000 U	200 U	200 U	200 U	200 U	1000 U	200 UJ	200 UJ	2000 U	200 UJ	200 U	200 U	200 U	R
2-Butanone	4000	4000		5600	5.0 U	5 U	5.0 U	25 U	25 U	5.0 UJ	250 U	25 UJ	5 U	5.0 U	5.0 U	50 U	5 U	5 U	5 U	5 U	25 U	5.0 UJ	5.0 UJ	50 U	5.0 UJ	5 U	5 UJ	5 U	5.0 U
2-Hexanone	11	44		38	5.0 U	5 U	5.0 U	25 U	25 U	5.0 UJ	250 U	25 UJ	5 U	5.0 U	5.0 U	50 U	5 U	5 U	5 U	5 U	25 U	5.0 UJ	5.0 UJ	50 U	5.0 UJ	5 U	5 UJ	5 U	5.0 U
4-Methyl-2-Pentanone	2900	8200		1200	5.0 U	5 U	5.0 U	25 U	25 U	5.0 UJ	250 U	25 UJ	5 U	5.0 U	5.0 U	50 U	5 U	5 U	5 U	5 U	25 U	5.0 UJ	5.0 UJ	50 U	5.0 UJ	5 U	5 UJ	5 U	5.0 U
Acetone	33000	92000		14000	5.0 U	5 U	5.0 U	25 U	25 U	5.0 UJ	250 U	25 UJ	5 U	5.0 U	5.0 U	50 U	5 U	5 U	5 U	5 U	25 U	5.0 UJ	5.0 UJ	50 U	5.0 UJ	5 U	5 UJ	5 U	5.0 U
Acrylonitrile	0.72	3.7		0.052	20 U	20 U	20 U	100 U	100 U	20 UJ	1000 U	100 UJ	20 U	20 U	20 U	200 U	20 U	20 U	20 U	20 U	100 U	20 UJ	20 UJ	200 U	20 UJ	20 U	20 U	20 U	20 U
Benzene	5	5	5	0.45	1.0 U	1 U	1.0 U	5 U	5 U	1.0 UJ	1300	1200 J	1 U	1.0 U	1.0 U	10 U	1 U	1 U	1 U	1 U	5 U	1.0 UJ	1.0 UJ	10 U	1.0 UJ	1 U	1 U	1 U	1.0 U
Bromochloromethane	90	90		83	1.0 U	1 U	1.0 U	5 U	5 U	1.0 UJ	50 U	5.0 UJ	1 U	1.0 U	1.0 U	10 U	1 U	1 U	1 U	1 U	5 U	1.0 UJ	1.0 UJ	10 U	1.0 UJ	1 U	1 U	1 U	1.0 U
Bromodichloromethane	80	80		0.13	1.0 U	1 U	1.0 U	5 U	5 U	1.0 UJ	50 U	5.0 UJ	1 U	1.0 U	1.0 U	10 U	1 U	1 U	1 U	1 U	5 U	1.0 UJ	1.0 UJ	10 U	1.0 UJ	1 U	1 U	1 U	1.0 U
Bromoform	80	80		9.2	1.0 U	1 U	1.0 U	5 U	5 U	1.0 UJ	50 U	5.0 UJ	1 U	1.0 U	1.0 U	10 U	1 U	1 U	1 U	1 U	5 U	1.0 UJ	1.0 UJ	10 U	1.0 UJ	1 U	1 U	1 U	1.0 U
Bromomethane	10	10		7.5	1.0 U	1 U	1.0 U	5 U	5 U	1.0 UJ	50 U	5.0 UJ	1 U	1.0 U	1.0 U	10 U	1 U	1 U	1 U	1 U	5 U	1.0 UJ	1.0 UJ	10 U	1.0 UJ	1 U	1 U	1 U	1.0 U
Carbon Disulfide	1500	6200		810	1.0 U	1 U	1.0 U	5 U	5 U	1.0 UJ	50 U	5.0 UJ	1 U	1.0 U	1.0 U	10 U	1 U	1 U	1 U	1 U	5 U	1.0 UJ	1.0 UJ	10 U	1.0 UJ	1 U	1 UJ	1 U	1.0 U
Carbon Tetrachloride	5	5	5	0.45	1.0 U	1 U	1.0 U	5 U	5 U	1.0 UJ	50 U	5.0 UJ	1 U	1.0 U	1.0 U	10 U	1 U	1 U	1 U	1 U	5 U	1.0 UJ	1.0 UJ	10 U	1.0 UJ	1 U	1 UJ	1 U	1.0 U
Chlorobenzene	100	100	100	78	1.0 U	1 U	1.0 U	5 U	5 U	1.0 UJ	50 U	5.0 UJ	1 U	1.0 U	1.0 U	10 U	1 U	1 U	1 U	1 U	5 U	1.0 UJ	1.0 UJ	10 U	1.0 UJ	1 U	1 U	1 U	1.0 U
Chlorodibromomethane	80	80		0.17	1.0 U	1 U	1.0 U	5 U	5 U	1.0 UJ	50 U	5.0 UJ	1 U	1.0 U	1.0 U	10 U	1 U	1 U	1 U	1 U	5 U	1.0 UJ	1.0 UJ	10 U	1.0 UJ	1 U	1 U	1 U	1.0 U
Chloroethane	230	900		21000	1.0 U	1 U	1.0 U	5 U	5 U	1.0 UJ	50 U	5.0 UJ	1 U	1.0 U	1.0 U	10 U	1 U	1 U	1 U	1 U	5 U	1.0 UJ	1.0 UJ	10 U	1.0 UJ	1 U	1 U	1 U	1.0 U
Chloroform	80	80		0.22	0.34 J	1.4	1.0 U	1.1 J	2.8 J	1.7 J	50 U	5.0 UJ	1 U	1.0 U	1.0 U	10 U	0.35 J	1 U	1 U	1 U	0.97 J	0.59 J	0.57 J	2.6 J	0.51 J	1 U	1 U	1 U	1.0 U
Chloromethane				190	1.0 U	1 U	1.0 U	5 U	5 U	1.0 UJ	50 U	9.8 J	1 U	1.0 U	1.0 U	10 U	1 U	1 U	1 U	1 U	5 U	1.0 UJ	1.0 UJ	10 U	1.0 UJ	1 U	1 U	1 U	1.0 U
cis-1,2-Dichloroethene	70	70	70	36	1.0 U	1 U	1.0 U	4.1 J	5 U	1.6 J	50 U	5.0 UJ	22	22	21	9.2 J	11	5.2	4	4.5	2.8 J	6.3 J	5.5 J	7.1 J	7.2 J	4.1	9.8	5.1	6.2
cis-1,3-Dichloropropene	6.6	26		0.47	1.0 U	1 U	1.0 U	5 U	5 U	1.0 UJ	50 U	5.0 UJ	1 U	1.0 U	1.0 U	10 U	1 U	1 U	1 U	1 U	5 U	1.0 UJ	1.0 UJ	10 U	1.0 UJ	1 U	1 U	1 U	1.0 U
Ethylbenzene	700	700	700	1.5	1.0 U	1 U	1.0 U	5 U	5 U	1.0 UJ	99	92 J	1 U	1.0 U	1.0 U	10 U	1 U	1 U	1 U	1 U	5 U	1.0 UJ	1.0 UJ	10 U	1.0 UJ	1 U	1 U	1 U	1.0 U
Methyl tert-butyl ether	20	20		14	1.0 U	1 U	1.0 U	5 U	5 U	1.0 UJ	380	350 J	1 U	1.0 U	1.0 U	10 U	1 U	1 U	1 U	1 U	5 U	1.0 UJ	1.0 UJ	10 U	1.0 UJ	1 U	1 UJ	1 U	1.0 U
Methylene chloride	5	5		11	1.0 U	1 U	1.0 U	2.2 J B	3.8 U	1.0 UJ	41 J B	5.0 UJ	1 U	1.0 U	1.0 U	2.3 U	1 U	1 U	1 U	1 U	2.3 J B	1.0 UJ	1.0 UJ	9.7 U	1.0 UJ	1 U	1 UJ	1 U	1.0 U
Styrene	100	100	100	1200	1.0 U	1 U	1.0 U	5 U	5 U	1.0 UJ	50 U	5.0 UJ	1 U	1.0 U	1.0 U	10 U	1 U	1 U	1 U	1 U	5 U	1.0 UJ	1.0 UJ	10 U	1.0 UJ	1 U	1 U	1 U	1.0 U
Tetrachloroethene	5	5	5	11	1.0 U	1 U	1.0 U	10	2.7 J	5.8 J	50 U	5.0 UJ	1.7	1.9	1.7	8.8 J	11	12	13	14	7	11 J	9.8 J	25	29 J	1 U	1 U	1 U	1.0 U
Toluene	1000	1000	1000	1100	1.0 U	2.2	1.0 U	5 U	5 U	1.0 UJ	70	45 J	1 U	1.0 U	1.0 U	10 U	1 U	1 U	1 U	1 U	5 U	1.0 UJ	1.0 UJ	10 U	1.0 UJ	1 U	1 U	0.29 J	1.0 U
trans-1,2-Dichloroethene	100	100	100	360	1.0 U	1 U	1.0 U	5 U	5 U	1.0 UJ	50 U	5.0 UJ	1 U	1.0 U	1.0 U	10 U	1 U	1 U	1 U	1 U	5 U	1.0 UJ	1.0 UJ	10 U	1.0 UJ	1 U	1 UJ	1 U	1.0 U
trans-1,3-Dichloropropene	6.6	26		0.47	1.0 U	1 U	1.0 U	5 U	5 U	1.0 UJ	50 U	5.0 UJ	1 U	1.0 U	1.0 U	10 U	1 U	1 U	1 U	1 U	5 U	1.0 UJ	1.0 UJ	10 U	1.0 UJ	1 U	1 U	1 U	1.0 U
Trichloroethene	5	5	5	0.49	1.0 U	18	0.85 J	220	90	110 J	50 U	5.0 UJ	8.5	7.3	7.3	140	140	29	28	30	79	69 J	71 J	160	130 J	1 U	1 U	1 U	1.0 U
Vinyl Chloride	2	2	2	0.019	1.0 U	1 U	1.0 U	5 U	5 U	1.0 UJ	50 U	5.0 UJ	1 U	1.0 U	1.0 U	10 U	1 U	1 U	1 U	1 U	5 U	1.0 UJ	1.0 UJ	10 U	1.0 UJ	1 U	1 U	1 U	1.0 U
Xylenes (Total)	10000	10000	10000	190	3.0 U	3 U	3.0 U	15 U	15 U	3.0 UJ	78 J	52 J	3 U	3.0 U	3.0 U	30 U	3 U	3 U	3 U	3 U	15 U	3.0 UJ	3.0 UJ	30 U	3.0 UJ	3 U	3 U	3 U	3.0 U

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

Table 2
Groundwater Data Summary - NPBA 2013 to 2014
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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-142S 2/7/13	MW-142S 5/30/13	MW-142S 9/10/13	MW-142S 10/13/14	MW-143D 2/7/13	MW-143D 5/31/13	MW-143D 9/9/13	MW-143D 10/13/14	MW-143S 2/7/13	MW-143S 5/30/13	MW-143S 9/9/13	MW-143S 10/15/14	CW-1 5/29/13	CW-1 9/16/13	CW-1 10/13/14	CW-1A 5/30/13	CW-1A 9/16/13	CW-1A 10/14/14	CW-2 5/29/13	CW-2 9/16/13	CW-2 10/14/14	CW-3 5/29/13	CW-3 9/16/13	CW-3 10/15/14	CW-4 5/29/13	CW-4 9/16/13	CW-4 10/14/14	CW-5 5/29/13
TOTAL VOC																																
Total VOC					1.21	1.82	1.25	201.6	0	0	0.25	200.34	2.18	2.67	4.1	2.74	44	15	203.6	37.3	28.39	34.75	15.1	10.17	18	34.6	120.19	118.03	82	62.5	42.8	8.5
Volatile Organic Compound																																
1,1,1,2-Tetrachloroethane	70	70		0.57	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	2 U	1.0 U	1 U
1,1,1-Trichloroethane	200	200	200	8000	1 U	1 U	1 U	1.0 U	1 U	1 UJ	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	2 U	1.0 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	2 U	1.0 U	1 U
1,1,2-Trichloroethane	5	5	5	0.28	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	2 U	1.0 U	1 U
1,1-Dichloroethane	31	160		2.7	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	2 U	1.0 U	1 U
1,1-Dichloroethene	7	7	7	280	1 U	1 U	1 U	1.0 U	1 U	1 UJ	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	2 U	1.0 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	2 U	1.0 U	1 U
1,2-Dichloroethane	5	5	5	0.17	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	2 U	1.0 U	1 U
1,2-Dichloropropane	5	5	5	0.44	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	2 U	1.0 U	1 U
1,4-Dioxane	6.4	32		0.78	200 U	200 U	200 U	R	200 U	200 U	200 U	R	200 U	200 U	200 U	200 U	200 U	200 U	R	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	400 U	200 U	200 U
2-Butanone	4000	4000		5600	5 U	5 U	5 U	5.0 U	5 U	5 UJ	5 U	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U	5.0 U	5 U	5 U	5.0 U	5 U	5 U	5.0 U	5 U	5 U	5.0 U	5 U	10 U	5.0 U	5 U
2-Hexanone	11	44		38	5 U	5 U	5 U	5.0 U	5 U	5 UJ	5 U	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U	5.0 U	5 U	5 U	5.0 U	5 U	5 U	5.0 U	5 U	5 U	5.0 U	5 U	10 U	5.0 U	5 U
4-Methyl-2-Pentanone	2900	8200		1200	5 U	5 U	5 U	5.0 U	5 U	5 UJ	5 U	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U	5.0 U	5 U	5 U	5.0 U	5 U	5 U	5.0 U	5 U	5 U	5.0 U	5 U	10 U	5.0 U	5 U
Acetone	33000	92000		14000	5 U	5 U	5 U	5.0 U	5 U	5 UJ	5 U	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U	5.0 U	5 U	5 U	5.0 U	5 U	5 U	5.0 U	5.6	74	76	5 U	10 U	5.0 U	5 U
Acrylonitrile	0.72	3.7		0.052	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	40 U	20 U	20 U
Benzene	5	5	5	0.45	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	2 U	1.0 U	1 U
Bromochloromethane	90	90		83	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	2 U	1.0 U	1 U
Bromodichloromethane	80	80		0.13	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	2 U	1.0 U	1 U
Bromoform	80	80		9.2	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	0.88 J	3.1	1 U	2 U	1.0 U	1 U
Bromomethane	10	10		7.5	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	2 U	1.0 U	1 U
Carbon Disulfide	1500	6200		810	1 U	1 U	1 U	1.0 U	1 U	1 UJ	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	2 U	1.0 U	1 U
Carbon Tetrachloride	5	5	5	0.45	1 U	1 U	1 U	1.0 U	1 U	1 UJ	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	2 U	1.0 U	1 U
Chlorobenzene	100	100	100	78	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	2 U	1.0 U	1 U
Chlorodibromomethane	80	80		0.17	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	0.54 J	1 U	2 U	1.0 U	1 U
Chloroethane	230	900		21000	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	2 U	1.0 U	1 U
Chloroform	80	80		0.22	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	0.27 J	0.38 J	0.44 J	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	2 U	1.0 U	1 U
Chloromethane				190	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	2 U	1.0 U	1 U
cis-1,2-Dichloroethene	70	70	70	36	0.85 J	1.5	1.1	1.6	1 U	1 U	0.25 J	0.34 J	1 U	1 U	1 U	1.0 U	11	5.6	1.8	1.2	0.31 J	0.51 J	4.1	0.87 J	2.6	21	32	36	29	40	36	1.9
cis-1,3-Dichloropropene	6.6	26		0.47	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	2 U	1.0 U	1 U
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	2 U	1.0 U	1 U
Methyl tert-butyl ether	20	20		14	1 U	1 U	1 U	1.0 U	1 U	1 UJ	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	2 U	1.0 U	1 U
Methylene chloride	5	5		11	1 U	1 U	1 U	1.0 U	1 U	1 UJ	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	2 U	1.0 U	1 U
Styrene	100	100	100	1200	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	2 U	1.0 U	1 U
Tetrachloroethene	5	5	5	11	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U	0.78 J	0.77 J	1.1	0.84 J	1 U	1 U	1.0 U	0.83 J	1.7	2.8	1 U	3	1.4	1.3	2.5	0.41 J	6	3.5	1.2	2.5
Toluene	1000	1000	1000	1100	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	2 U	1.0 U	1 U
trans-1,2-Dichloroethene	100	100	100	360	1 U	1 U	1 U	1.0 U	1 U	1 UJ	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	0.91 J	0.58 J	1 U	2 U	1.0 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.47	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	2 U	1.0 U	1 U
Trichloroethene	5	5	5	0.49	0.36 J	0.32 J	0.15 J	1.0 U	1 U	1 U	1 U	1.0 U	1.4	1.9	3	1.9	33	9.4	1.8	35	26	31	11	6.3	14	6.7	9.9	1.4	47	19	5.6	4.1
Vinyl Chloride	2	2	2	0.019	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	2 U	1.0 U	1 U
Xylenes (Total)	10000	10000	10000	190	3 U	3 U	3 U	3.0 U	3 U	3 U	3 U	3.0 U	3 U	3 U	3 U	3.0 U	3 U	3 U	3.0 U	3 U	3 U	3.0 U	3 U	3 U	3.0 U	3 U	3 U	3.0 U	3 U	6 U	3.0 U	3 U

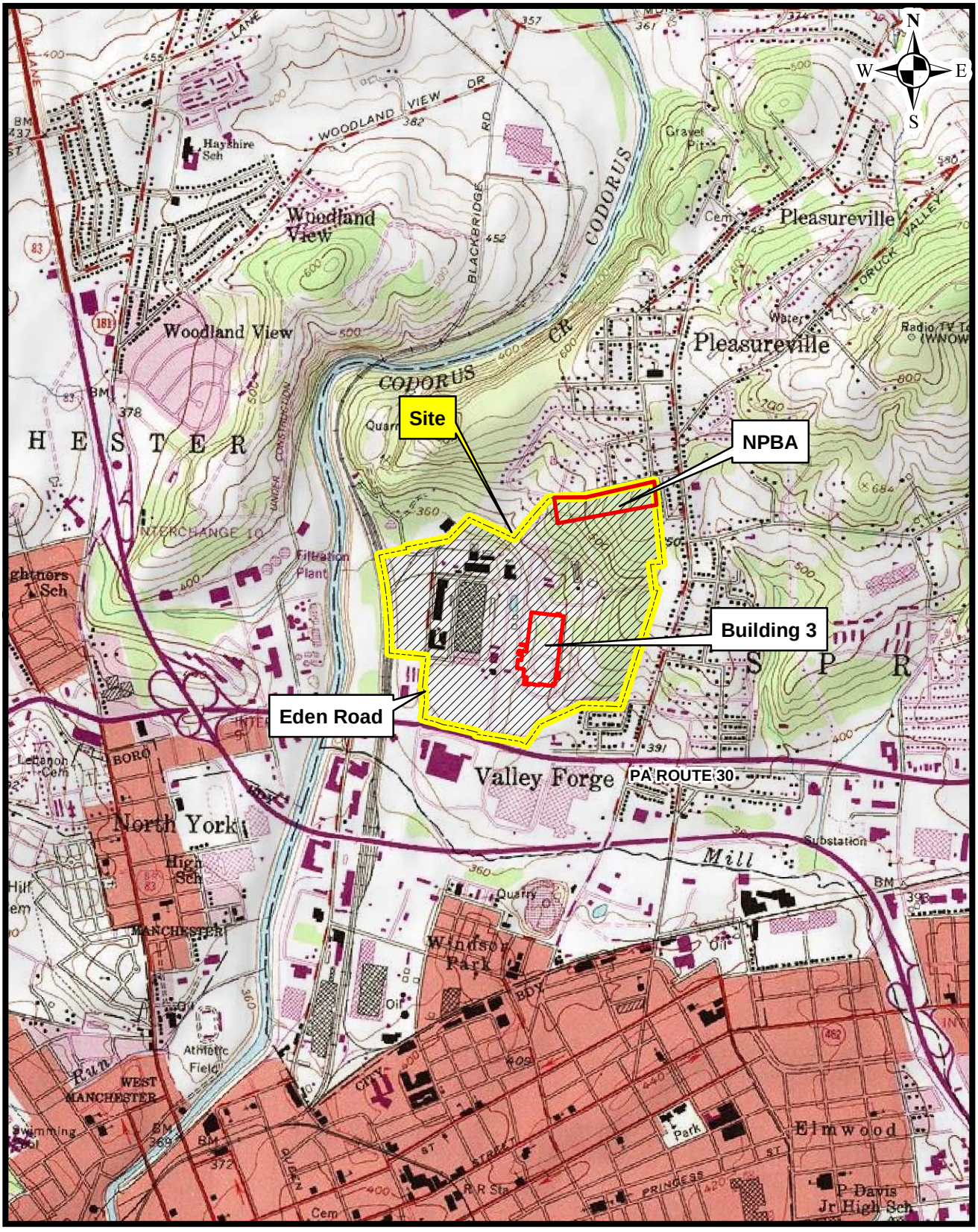
Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table 2
Groundwater Data Summary - NPBA 2013 to 2014
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-5 9/16/13	CW-5 10/16/14	CW-6 5/30/13	CW-6 9/16/13	CW-6 10/16/14	CW-7 5/30/13	CW-7 9/16/13	CW-7 10/15/14	CW-7A 5/29/13	CW-7A 9/16/13	CW-7A 10/15/14	RW-2 5/29/13	RW-2 9/10/13	RW-2 10/20/14	RW-4 Folk 5/30/13	RW-4 Folk 9/11/13	RW-4 Folk 10/24/14	TATE (S-6) 5/29/13	TATE (S-6) 9/11/13	TATE (S-6) 10/22/14	NPBA-SW-1 1/15/13	NPBA-SW-2 1/15/13	NPBA-SW-3 1/15/13
TOTAL VOC																											
Total VOC					14.9	36.7	170	77.73	47.5	5.7	2.1	2.53	84.2	165.8	99.4	1.2	2.16	3.27	0.24	0.53	0	0.25	0.47	0	0	0	200
Volatile Organic Compound																											
1,1,1,2-Tetrachloroethane	70	70		0.57	1 U	1.0 U	8 U	1 U	1.0 UJ	1 U	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	200	200	200	8000	1 U	1.0 U	8 U	1 U	1.0 UJ	1 U	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1 U	1.0 U	8 U	1 U	1.0 UJ	1 U	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.28	1 U	1.0 U	8 U	1 U	1.0 UJ	1 U	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	31	160		2.7	1 U	1.0 U	8 U	1 U	1.0 UJ	1 U	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	280	1 U	1.0 U	8 U	1 U	1.0 UJ	1 U	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	1 U	1.0 U	8 U	1 U	1.0 UJ	1 U	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	5	5	5	0.17	1 U	1.0 U	8 U	1 U	1.0 UJ	1 U	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	5	5	5	0.44	1 U	1.0 U	8 U	1 U	1.0 UJ	1 U	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dioxane	6.4	32		0.78	200 U	200 U	1600 U	200 U	200 UJ	200 U	200 U	200 U	1000 U	1000 U	200 UJ	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	R	R	R
2-Butanone	4000	4000		5600	5 U	5.0 U	40 U	5 U	5.0 UJ	5 U	5 U	5.0 U	25 U	25 U	5.0 UJ	5 U	5 U	5.0 U	5 U	5 U	5.0 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	11	44		38	5 U	5.0 U	40 U	5 U	5.0 UJ	5 U	5 U	5.0 U	25 U	25 U	5.0 UJ	5 U	5 U	5.0 U	5 U	5 U	5.0 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	2900	8200		1200	5 U	5.0 U	40 U	5 U	5.0 UJ	5 U	5 U	5.0 U	25 U	25 U	5.0 UJ	5 U	5 U	5.0 U	5 U	5 U	5.0 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	33000	92000		14000	5 U	5.0 U	40 U	14	5.0 UJ	5 U	5 U	5.0 U	25 U	25 U	5.0 UJ	5 U	5 U	5.0 U	5 U	5 U	5.0 U	5 U	5 U	5 U	5 U	5 U	5 U
Acrylonitrile	0.72	3.7		0.052	20 U	20 U	160 U	20 U	20 UJ	20 U	20 U	20 U	100 U	100 U	20 UJ	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 UJ	20 UJ	20 UJ
Benzene	5	5	5	0.45	1 U	1.0 U	8 U	1 U	1.0 UJ	1 U	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	90	90		83	1 U	1.0 U	8 U	1 U	1.0 UJ	1 U	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	80	80		0.13	1 U	1.0 U	8 U	1 U	1.0 UJ	1 U	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	80	80		9.2	1 U	1.0 U	8 U	0.44 J	1.0 UJ	1 U	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	10	10		7.5	1 U	1.0 U	8 U	1 U	1.0 UJ	1 U	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	1500	6200		810	1 U	1.0 U	8 U	1 U	1.0 UJ	1 U	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	5	5	0.45	1 U	1.0 U	8 U	1 U	1.0 UJ	1 U	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	78	1 U	1.0 U	8 U	1 U	1.0 UJ	1 U	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.17	1 U	1.0 U	8 U	1 U	1.0 UJ	1 U	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	230	900		21000	1 U	1.0 U	8 U	1 U	1.0 UJ	1 U	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	80	80		0.22	1 U	1.0 U	8 U	1 U	1.0 UJ	1.4	1 U	0.92 J	5 U	5 U	1.2 J	1 U	1 U	0.17 J	0.24 J	0.53 J	1.0 U	0.25 J	0.47 J	1 U	1 U	1 U	1 U
Chloromethane				190	1 U	1.0 U	8 U	1 U	1.0 UJ	1 U	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	70	70	70	36	2.1	4.5	32	19	20 J	1 U	1 U	1.0 U	5 U	1.5 J	3.7 J	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	6.6	26		0.47	1 U	1.0 U	8 U	1 U	1.0 UJ	1 U	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	1 U	1.0 U	8 U	1 U	1.0 UJ	1 U	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl ether	20	20		14	1 U	1.0 U	8 U	1 U	1.0 UJ	1 U	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene chloride	5	5		11	1 U	1.0 U	8 U	1 U	1.0 UJ	1 U	1 U	1.0 U	1.8 J	5 U	1.0 UJ	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	100	100	100	1200	1 U	1.0 U	8 U	1 U	1.0 UJ	1 U	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	5	5	11	7.4	24	120	36	22 J	1 U	0.6 J	0.85 J	1.4 J	4.3 J	5.5 J	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	1000	1000	1000	1100	1 U	1.0 U	8 U	1 U	1.0 UJ	1 U	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	0.26 J	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	100	100	100	360	1 U	1.0 U	8 U	0.89 J	1.0 UJ	1 U	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.47	1 U	1.0 U	8 U	1 U	1.0 UJ	1 U	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	5	5	0.49	5.4	8.2	18	7.4	5.5 J	4.3	1.5	0.76 J	81	160	89	1.2	1.9	3.1	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	2	2	2	0.019	1 U	1.0 U	8 U	1 U	1.0 UJ	1 U	1 U	1.0 U	5 U	5 U	1.0 UJ	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes (Total)	10000	10000	10000	190	3 U	3.0 U	24 U	3 U	3.0 UJ	3 U	3 U	3.0 U	15 U	15 U	3.0 UJ	3 U	3 U	3.0 U	3 U	3 U	3.0 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.

Figures



Portion of the York, PA
7.5-minute USGS Quadrangle
(2001)

Figure 1

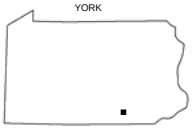
Former York Naval Ordnance Plant

1425 Eden Road, York, PA 17402

Site Location Map

Scale (feet)

0 495 990 1,980



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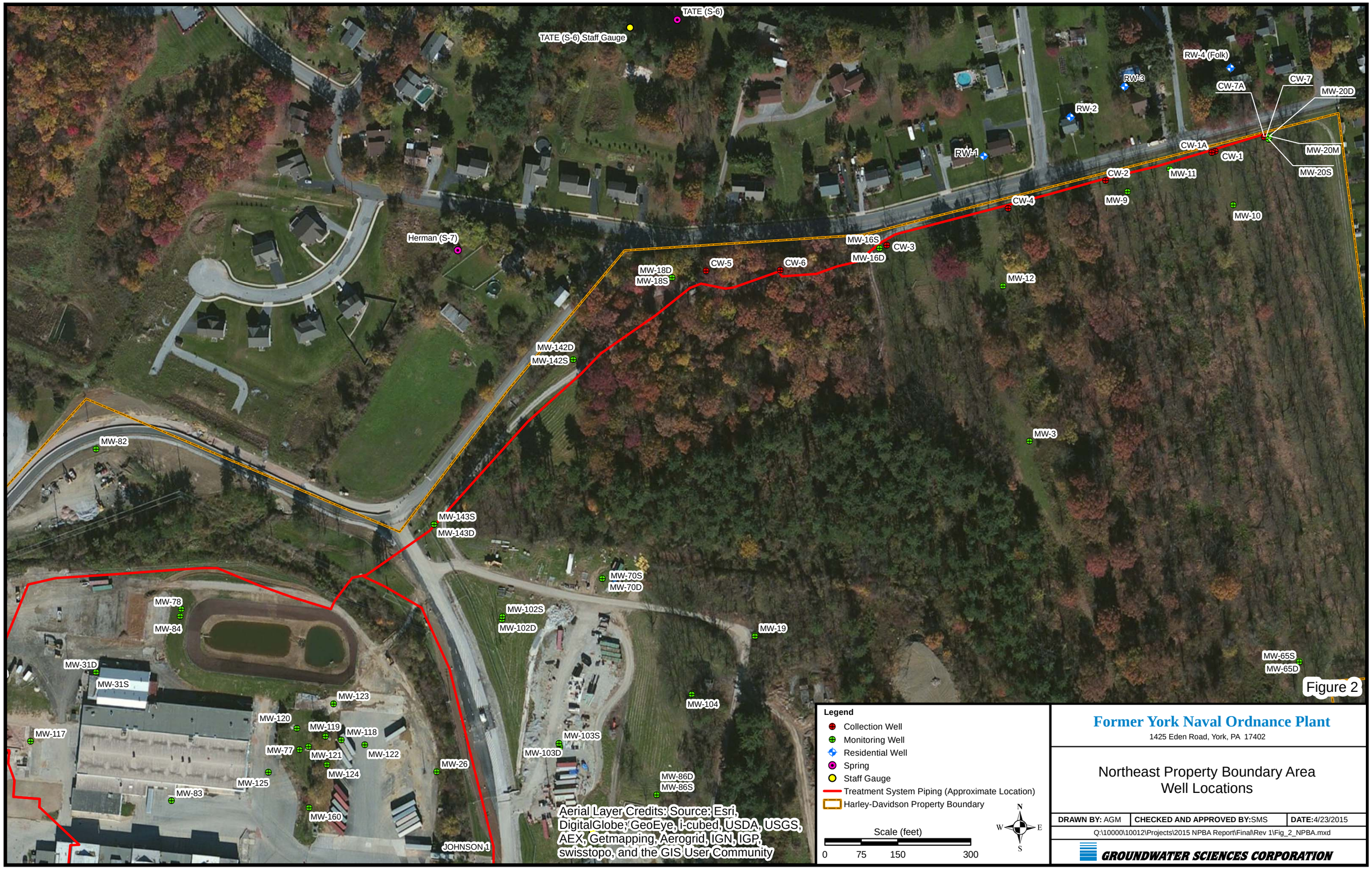

Former York Naval Ordnance Plant

1425 Eden Road, York, PA 17402

Northeast Property Boundary Area Well Locations

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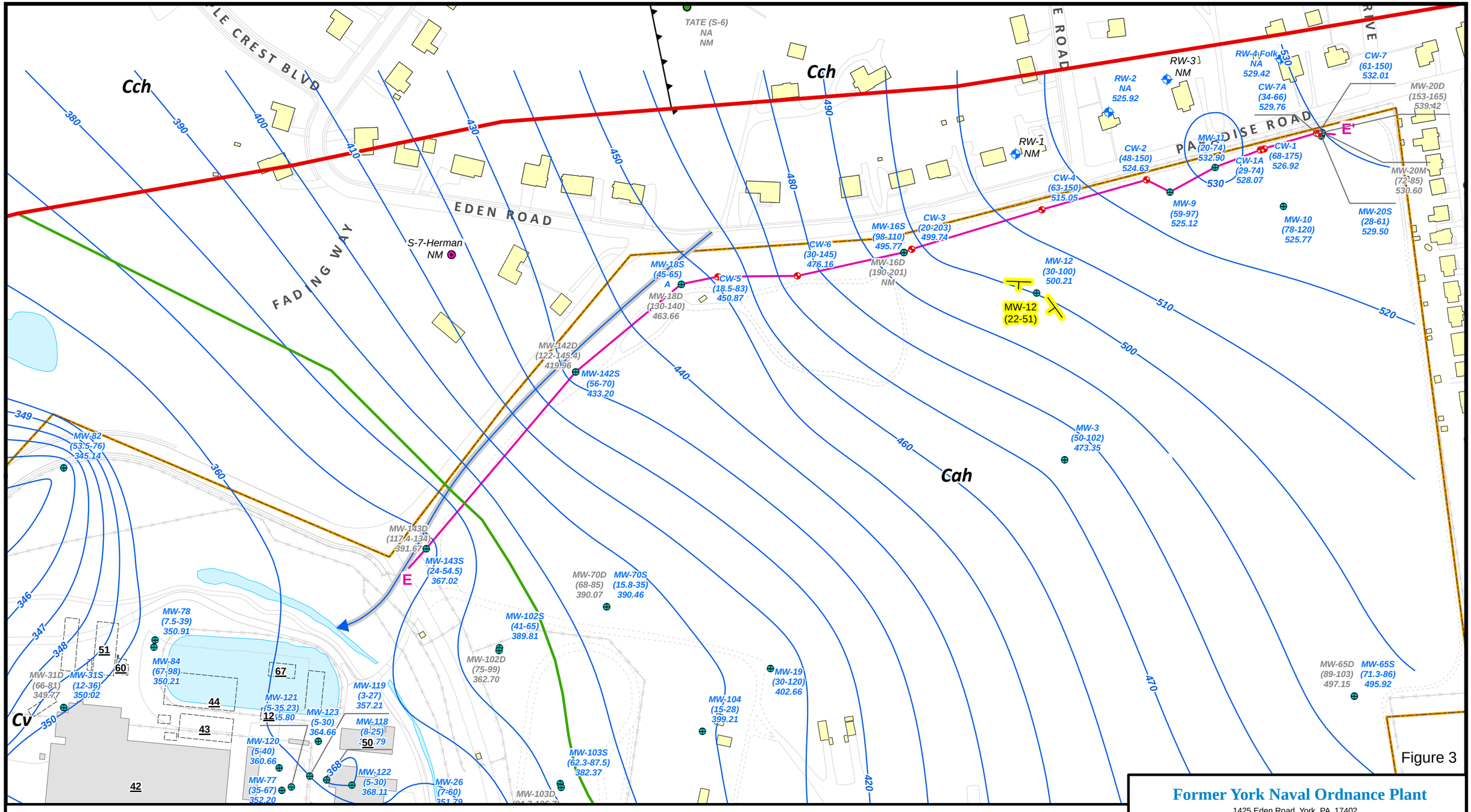

Figure 3

Legend

- Strike and Dip (with Degree of Dip Angle)
- Unused Residential Well
- Active Collection Well
- Monitoring Well
- Spring
- Block Fault
- Thrust Fault
- Contact
- Groundwater Contour Depression (Feet AMSL)
- Groundwater Contour (Feet AMSL)
- Flow Direction
- Cross SectionTransect
- Harley-Davidson Property Boundary
- Existing Building
- Demolished
- Demolished/Slab Removed
- Road (Paved)
- Road Curb
- Road (Unpaved)
- Walkway
- Fenceline
- Existing Water Feature

MW-20S (48-150) 531.75' — Location ID; Screened or Open Interval (Feet BGS); Groundwater Elevation (Feet AMSL); Used in Contouring

MW-20M (72-85) 532.86' — Location ID; Screened or Open Interval (Feet BGS); Groundwater Elevation (Feet AMSL); Not Used in Contouring

NOTES:
AMSL= Above mean sea level.
Cch= Chickies Formation
Cah= Antietam and Harpers Formations, undivided
Cv= Vintage Formation
BGS- Below Ground Surface
A- Artesian

Scale (feet): 0 87.5 175 350

N W E S

Former York Naval Ordnance Plant

1425 Eden Road, York, PA 17402

Groundwater Elevation Contour Map
October 7, 2014

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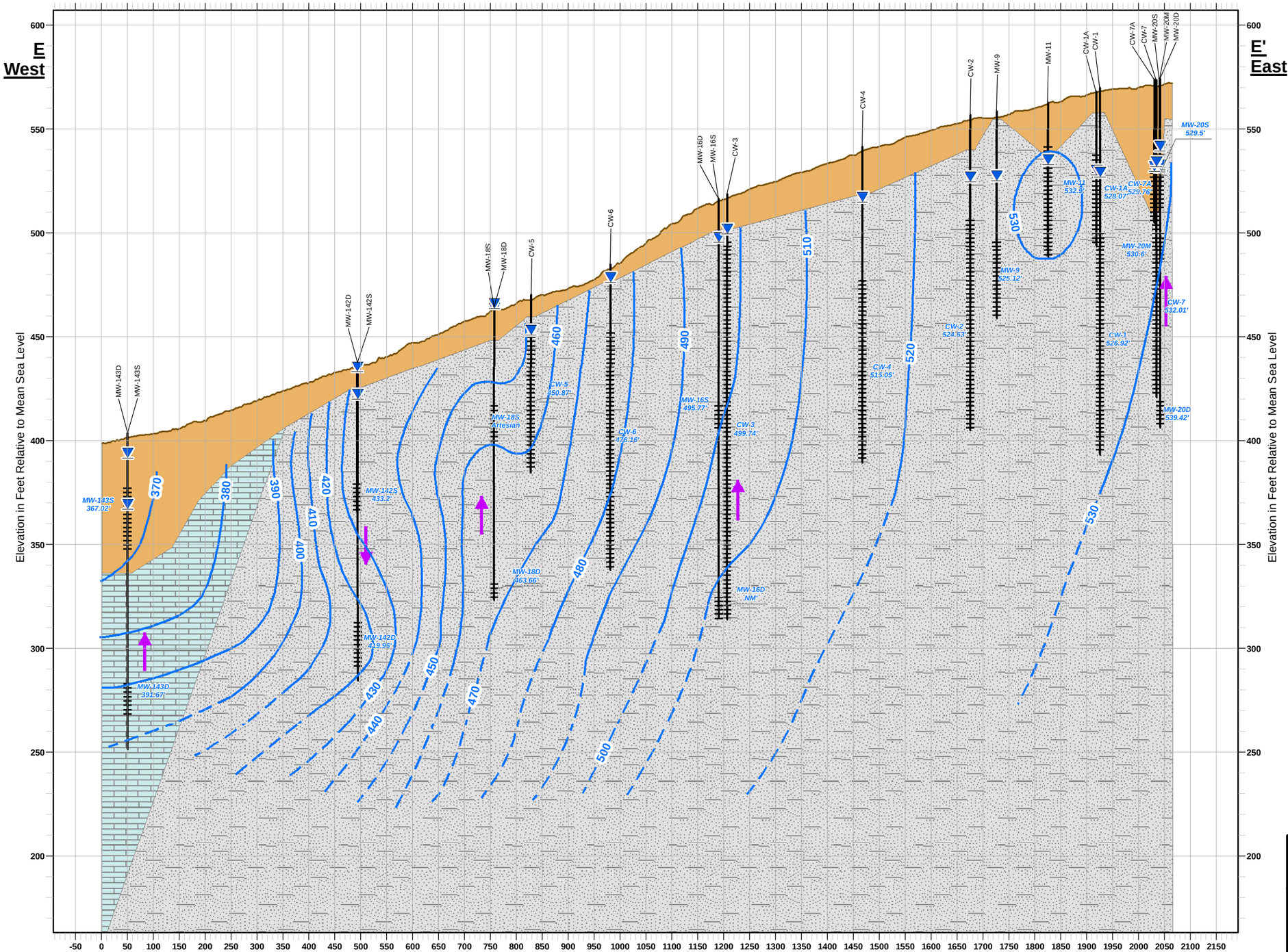
GROUNDWATER SCIENCES CORPORATION



Legend

- Well
- Open Interval
- Overburden
- Limestone/Dolostone
- Sandstone/Quartzite
- Water Level
- Water Level Contour (feet)
- Inferred Water Level Contour (feet)
- Vertical Gradient

532.01' Groundwater Elevation Measured on October 7, 2014

NM Groundwater Elevation Not Measured

Chemistry results in ug/L.

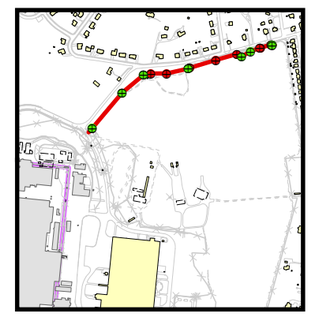


Figure 4

Former York Naval Ordnance Plant

1425 Eden Road, York, PA 17402

Cross Section E-E'
Piezometric Levels - October 7, 2014

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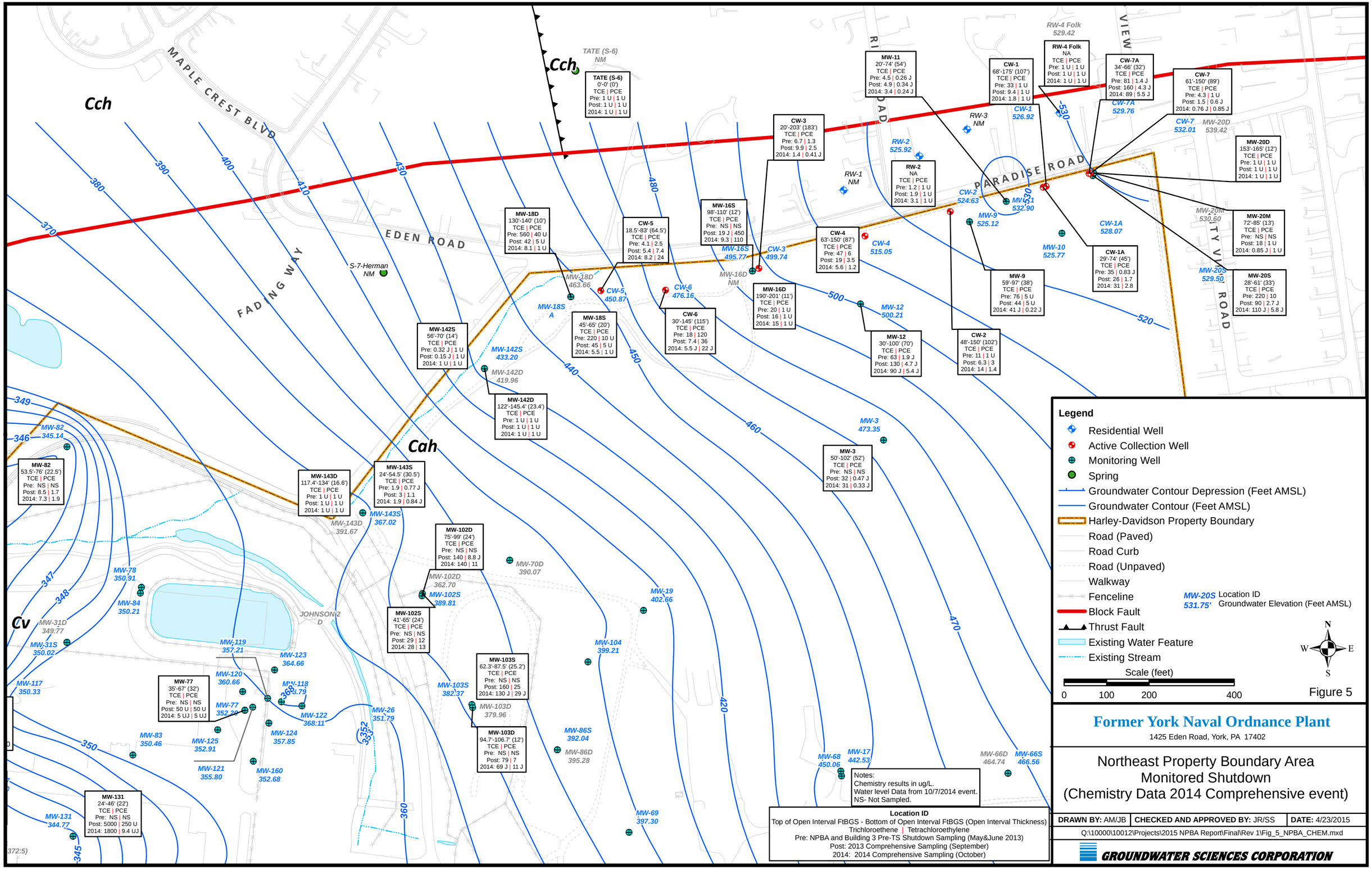
GROUNDWATER SCIENCES CORPORATION


MAPLE CREST BLVD
EDEN ROAD
FADING WAY
PARADISE ROAD
RIDGE ROAD
VALLEY VIEW ROAD
Cch
Cah
Cv
TATE (S-6)
NM
TATE (S-6)
0'-0' (0')
TCE | PCE
Pre: 1 U | 1 U
Post: 1 U | 1 U
2014: 1 U | 1 U
S-7-Herman
NM
MW-82
345.14
MW-82
53.5'-76' (22.5')
TCE | PCE
Pre: NS | NS
Post: 8.5 | 1.7
2014: 7.3 | 1.9
MW-78
350.91
MW-84
350.21
MW-31D
349.77
MW-31S
350.02
MW-117
350.33
MW-83
350.46
MW-131
344.77
MW-131
24'-46' (22')
TCE | PCE
Pre: NS | NS
Post: 5000 | 250 U
2014: 1800 | 9.4 UJ
MW-77
35'-67' (32')
TCE | PCE
Pre: NS | NS
Post: 50 U | 50 U
2014: 5 UJ | 5 UJ
MW-119
357.21
MW-120
360.66
MW-123
364.66
MW-118
368.79
MW-77
352.20
MW-122
368.11
MW-124
357.85
MW-125
352.91
MW-121
355.80
MW-160
352.68
MW-142S
56'-70' (14')
TCE | PCE
Pre: 0.32 J | 1 U
Post: 0.15 J | 1 U
2014: 1 U | 1 U
MW-142S
433.20
MW-142D
419.96
MW-142D
122'-145.4' (23.4')
TCE | PCE
Pre: 1 U | 1 U
Post: 1 U | 1 U
2014: 1 U | 1 U
MW-143D
117.4'-134' (16.6')
TCE | PCE
Pre: 1 U | 1 U
Post: 1 U | 1 U
2014: 1 U | 1 U
MW-143D
391.67
MW-143S
24'-54.5' (30.5')
TCE | PCE
Pre: 1.9 | 0.77 J
Post: 3 | 1.1
2014: 1.9 | 0.84 J
MW-143S
367.02
MW-18D
130'-140' (10')
TCE | PCE
Pre: 560 | 40 U
Post: 42 | 5 U
2014: 8.1 | 1 U
MW-18D
463.66
MW-18S
A
MW-18S
45'-65' (20')
TCE | PCE
Pre: 220 | 10 U
Post: 45 | 5 U
2014: 5.5 | 1 U
MW-102D
75'-99' (24')
TCE | PCE
Pre: NS | NS
Post: 140 | 8.8 J
2014: 140 | 11
MW-102D
362.70
MW-102S
389.81
MW-102S
41'-65' (24')
TCE | PCE
Pre: NS | NS
Post: 29 | 12
2014: 28 | 13
MW-70D
390.07
JOHNSON 2
D
CW-5
18.5'-83' (64.5')
TCE | PCE
Pre: 4.1 | 2.5
Post: 5.4 | 7.4
2014: 8.2 | 24
CW-5
450.87
CW-6
476.16
CW-6
30'-145' (115')
TCE | PCE
Pre: 18 | 120
Post: 7.4 | 36
2014: 5.5 J | 22 J
MW-16S
98'-110' (12')
TCE | PCE
Pre: NS | NS
Post: 19 J | 450
2014: 9.3 | 110
MW-16S
495.77
MW-16D
NM
MW-16D
190'-201' (11')
TCE | PCE
Pre: 20 | 1 U
Post: 16 | 1 U
2014: 15 | 1 U
CW-3
20'-203' (183')
TCE | PCE
Pre: 6.7 | 1.3
Post: 9.9 | 2.5
2014: 1.4 | 0.41 J
CW-3
499.74
MW-103S
62.3'-87.5' (25.2')
TCE | PCE
Pre: NS | NS
Post: 160 | 25
2014: 130 J | 29 J
MW-103S
382.37
MW-103D
379.96
MW-103D
94.7'-106.7' (12')
TCE | PCE
Pre: NS | NS
Post: 79 | 7
2014: 69 J | 11 J
MW-104
399.21
MW-19
402.66
MW-86S
392.04
MW-86D
395.28
MW-69
397.30
MW-11
20'-74' (54')
TCE | PCE
Pre: 4.5 | 0.26 J
Post: 4.9 | 0.34 J
2014: 3.4 | 0.24 J
CW-4
63'-150' (87')
TCE | PCE
Pre: 47 | 6
Post: 19 | 3.5
2014: 5.6 | 1.2
CW-4
515.05
RW-2
525.92
RW-2
NA
TCE | PCE
Pre: 1.2 | 1 U
Post: 1.9 | 1 U
2014: 3.1 | 1 U
RW-1
NM
MW-12
500.21
MW-12
30'-100' (70')
TCE | PCE
Pre: 63 | 1.9 J
Post: 130 | 4.7 J
2014: 90 J | 5.4 J
MW-3
473.35
MW-3
50'-102' (52')
TCE | PCE
Pre: NS | NS
Post: 32 | 0.47 J
2014: 31 | 0.33 J
RW-4 Folk
529.42
RW-4 Folk
NA
TCE | PCE
Pre: 1 U | 1 U
Post: 1 U | 1 U
2014: 1 U | 1 U
CW-1
68'-175' (107')
TCE | PCE
Pre: 33 | 1 U
Post: 9.4 | 1 U
2014: 1.8 | 1 U
CW-1
526.92
RW-3
NM
CW-2
524.63
MW-21
532.90
MW-9
525.12
MW-9
59'-97' (38')
TCE | PCE
Pre: 76 | 5 U
Post: 44 | 5 U
2014: 41 J | 0.22 J
MW-10
525.77
CW-2
48'-150' (102')
TCE | PCE
Pre: 11 | 1 U
Post: 6.3 | 3
2014: 14 | 1.4
MW-68
450.06
MW-17
442.53
MW-66D
464.74
MW-66S
466.56
CW-7A
34'-66' (32')
TCE | PCE
Pre: 81 | 1.4 J
Post: 160 | 4.3 J
2014: 89 | 5.5 J
CW-7A
529.76
CW-7
61'-150' (89')
TCE | PCE
Pre: 4.3 | 1 U
Post: 1.5 | 0.6 J
2014: 0.76 J | 0.85 J
CW-7
532.01
MW-20D
539.42
MW-20D
153'-165' (12')
TCE | PCE
Pre: 1 U | 1 U
Post: 1 U | 1 U
2014: 1 U | 1 U
MW-20M
530.60
MW-20M
72'-85' (13')
TCE | PCE
Pre: NS | NS
Post: 18 | 1 U
2014: 0.85 J | 1 U
MW-20S
529.50
MW-20S
28'-61' (33')
TCE | PCE
Pre: 220 | 10
Post: 90 | 2.7 J
2014: 110 J | 5.8 J
CW-1A
29'-74' (45')
TCE | PCE
Pre: 35 | 0.83 J
Post: 26 | 1.7
2014: 31 | 2.8
CW-1A
528.07
MW-131
24'-46' (22')
TCE | PCE
Pre: NS | NS
Post: 5000 | 250 U
2014: 1800 | 9.4 UJ
Location ID
Top of Open Interval FtBGS - Bottom of Open Interval FtBGS (Open Interval Thickness)
Trichloroethene | Tetrachloroethylene
Pre: NPBA and Building 3 Pre-TS Shutdown Sampling (May&June 2013)
Post: 2013 Comprehensive Sampling (September)
2014: 2014 Comprehensive Sampling (October)
Notes:
Chemistry results in ug/L.
Water level Data from 10/7/2014 event.
NS- Not Sampled.
Legend
Residential Well
Active Collection Well
Monitoring Well
Spring
Groundwater Contour Depression (Feet AMSL)
Groundwater Contour (Feet AMSL)
Harley-Davidson Property Boundary
Road (Paved)
Road Curb
Road (Unpaved)
Walkway
Fenceline
Block Fault
Thrust Fault
Existing Water Feature
Existing Stream
MW-20S 531.75' Location ID Groundwater Elevation (Feet AMSL)
Scale (feet)
0 100 200 400
N
W E
S
Figure 5
Former York Naval Ordnance Plant
1425 Eden Road, York, PA 17402
Northeast Property Boundary Area
Monitored Shutdown
(Chemistry Data 2014 Comprehensive event)
DRAWN BY: AM/JB
CHECKED AND APPROVED BY: JR/SS
DATE: 4/23/2015
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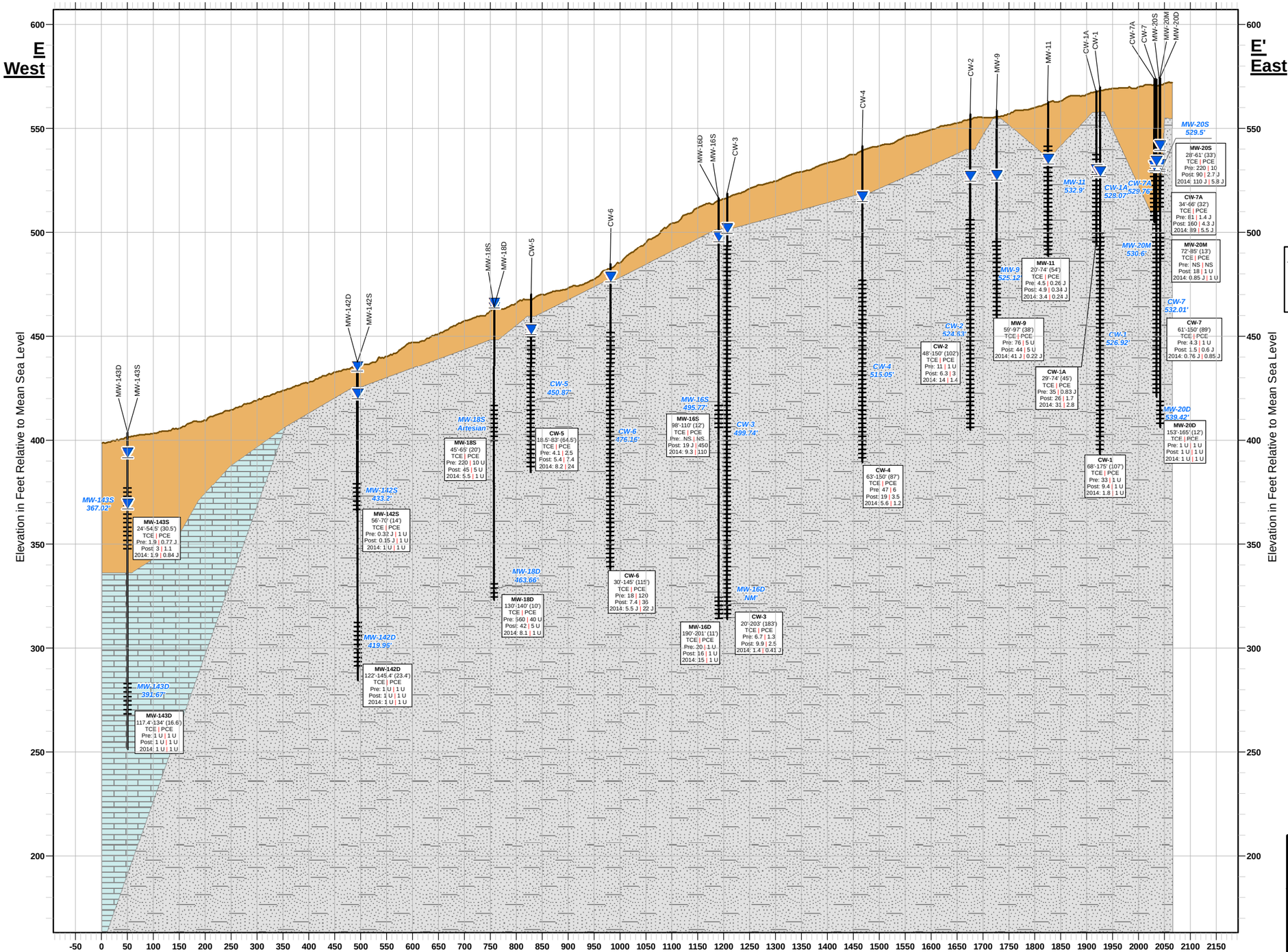
GROUNDWATER SCIENCES CORPORATION



Scale: 1-Inch =50 feet (Vertical) and 1-inch=200 feet (Horizontal) and Vertical Exaggeration 4x

Legend

- Open Interval
- Well
- Overburden
- Limestone/Dolostone
- Sandstone/Quartzite
- Water Level

Location ID
Top of Open Interval FtBGS - Bottom of Open Interval FtBGS (Open Interval Thickness)
Trichloroethene | Tetrachloroethylene
Pre: NPBA and Building 3 Pre-TS Shutdown Sampling (May&June 2013)
Post: 2013 Comprehensive Sampling (September)
2014: 2014 Comprehensive Sampling (October)

532.01' Groundwater Elevation Measured on October 7, 2014

NM Groundwater Elevation Not Measured

Chemistry results in ug/L.

NS Not Sampled

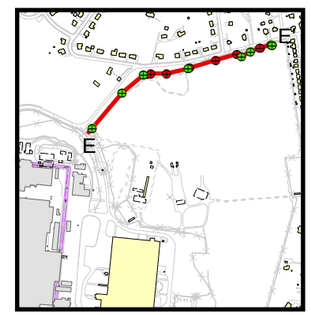


Figure 6

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

Cross Section E-E'
Pre-& Post-Shutdown Chemistry

DRAWN BY: AGM	CHECKED AND APPROVED BY: SMS	DATE: 4/10/2014

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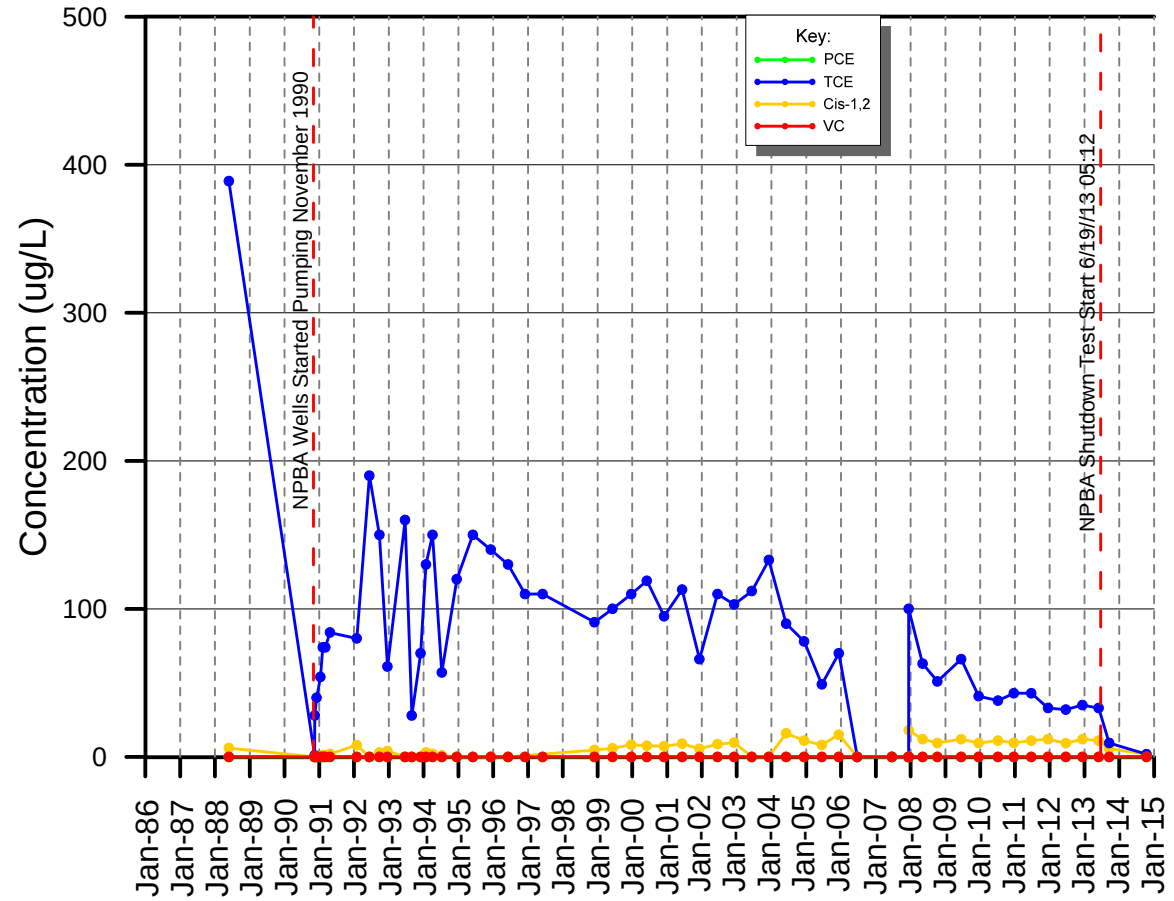
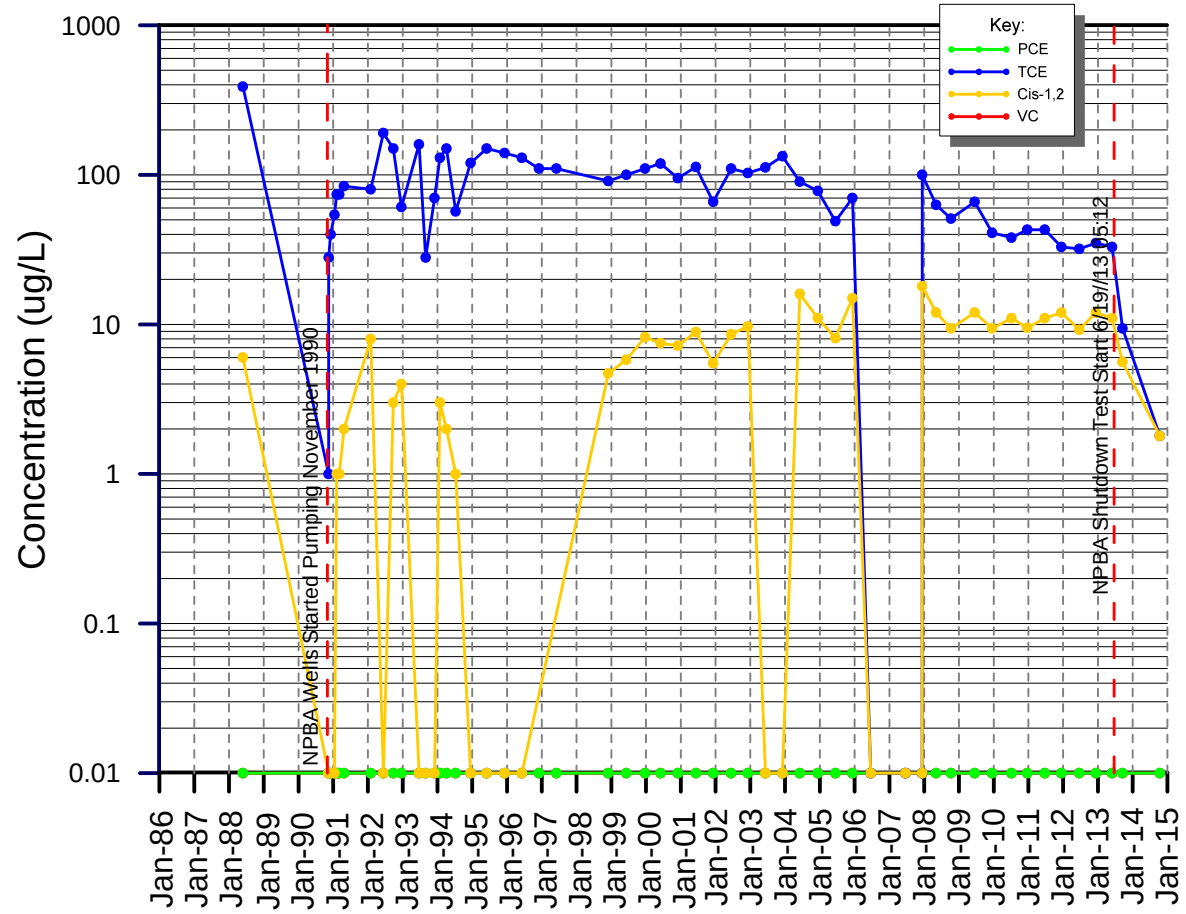
GROUNDWATER SCIENCES CORPORATION

Appendix A

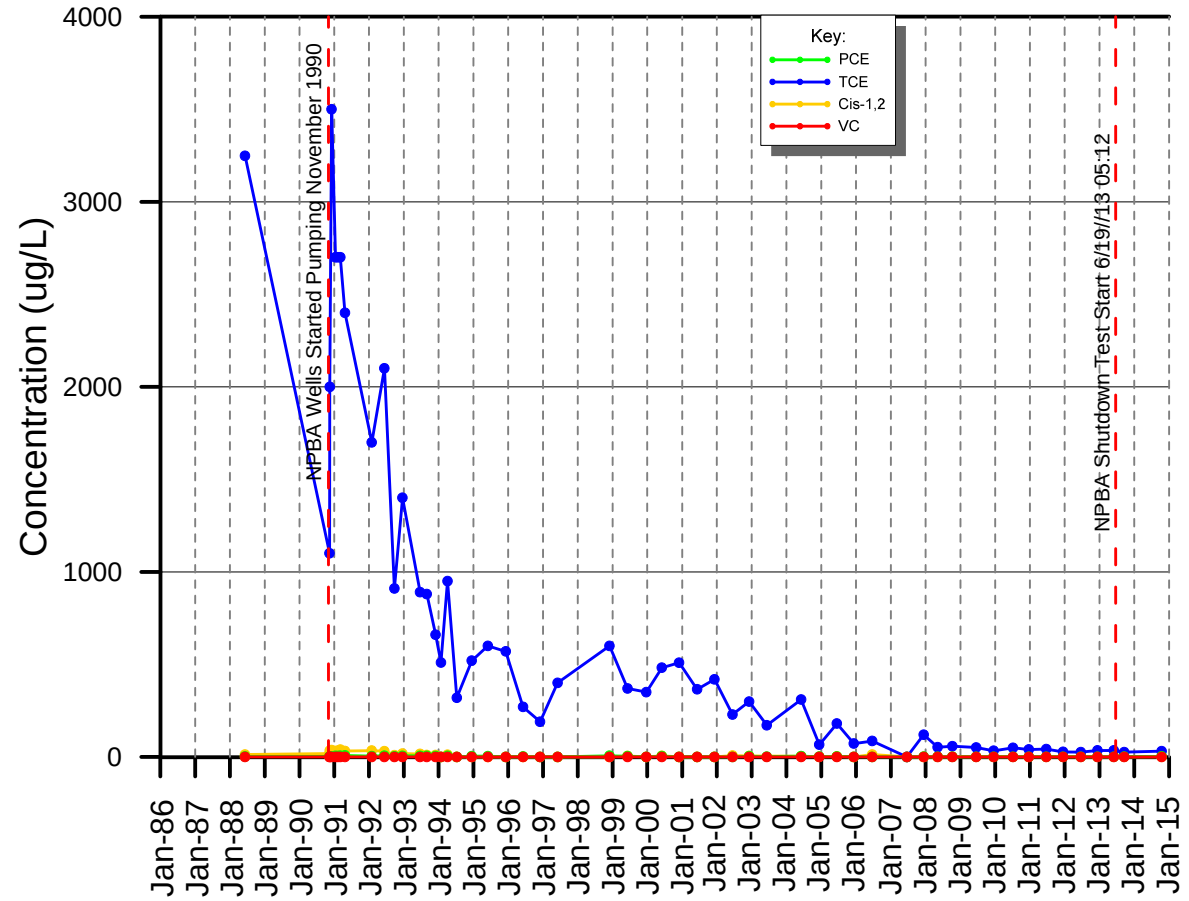
Undetected laboratory results are represented on the semi-log graphs as a concentration of 0.01 µg/l, regardless of method detection limit or laboratory reporting limit. "J" qualified (estimated) results were plotted as actual values.

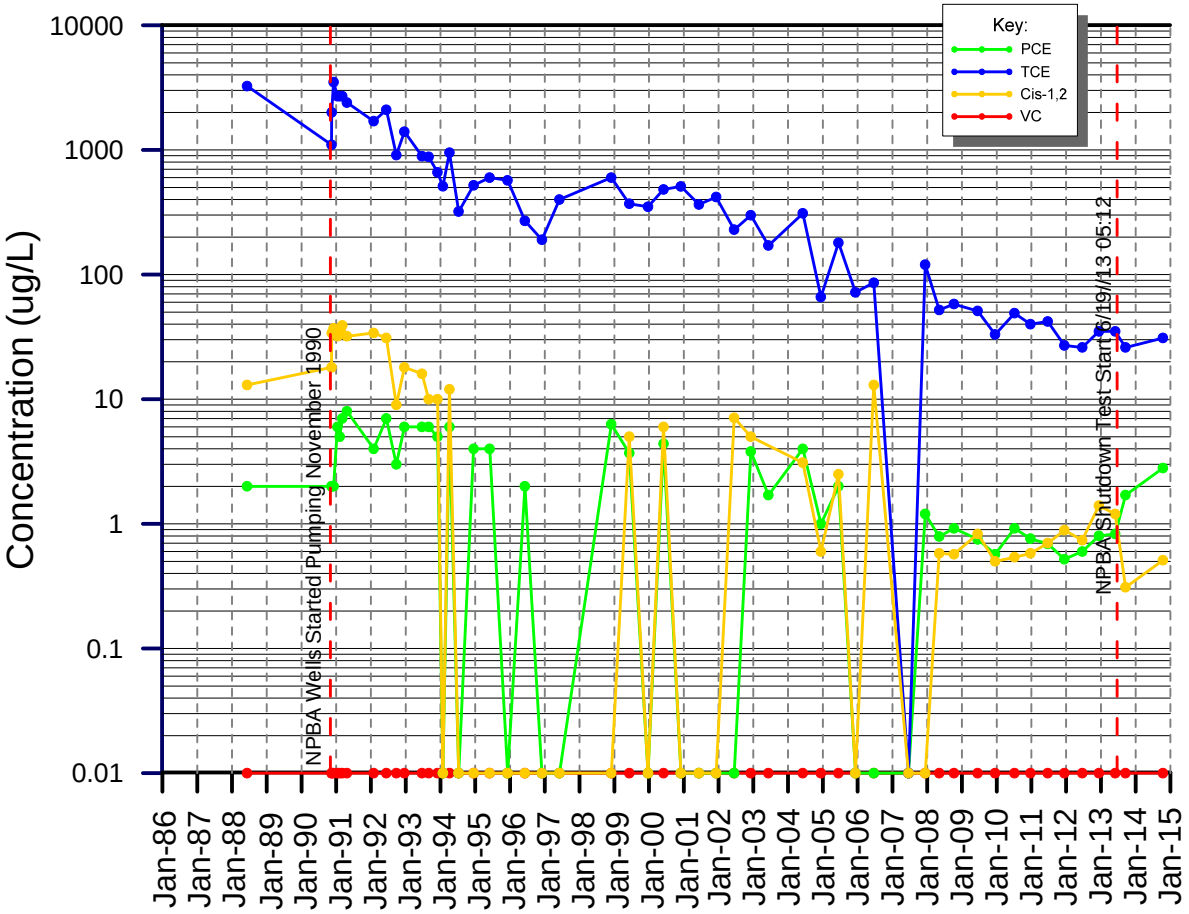
CW-1


Key:
PCE
TCE
Cis-1,2
VC
Concentration (ug/L)
500
400
300
200
100
0
NPBA Wells Started Pumping November 1990
NPBA Shutdown Test Start 6/19//13 05:12
Jan-86
Jan-87
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15

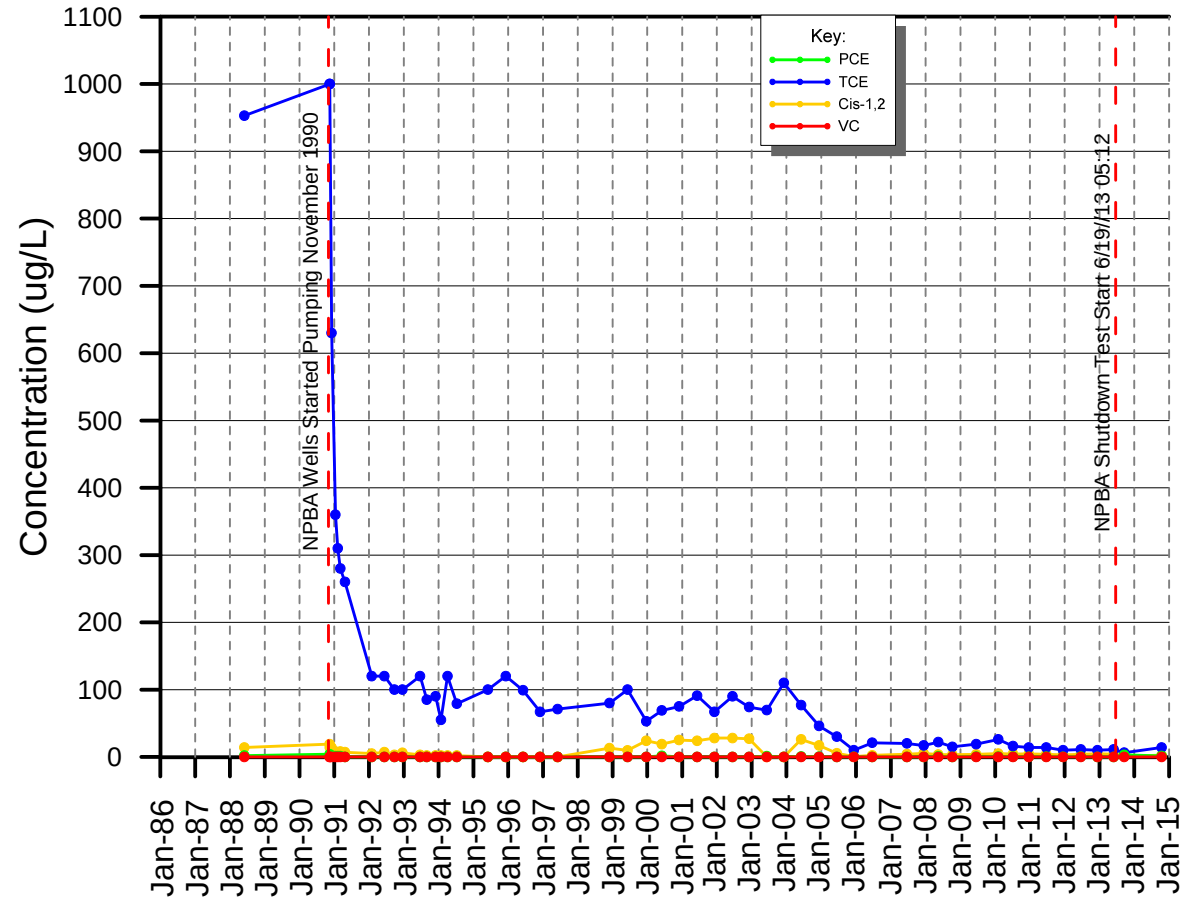

Key:
PCE
TCE
Cis-1,2
VC
Concentration (ug/L)
1000
100
10
1
0.1
0.01
NPBA Wells Started Pumping November 1990
NPBA Shutdown Test Start 6/19//13 05:12
Jan-86
Jan-87
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15

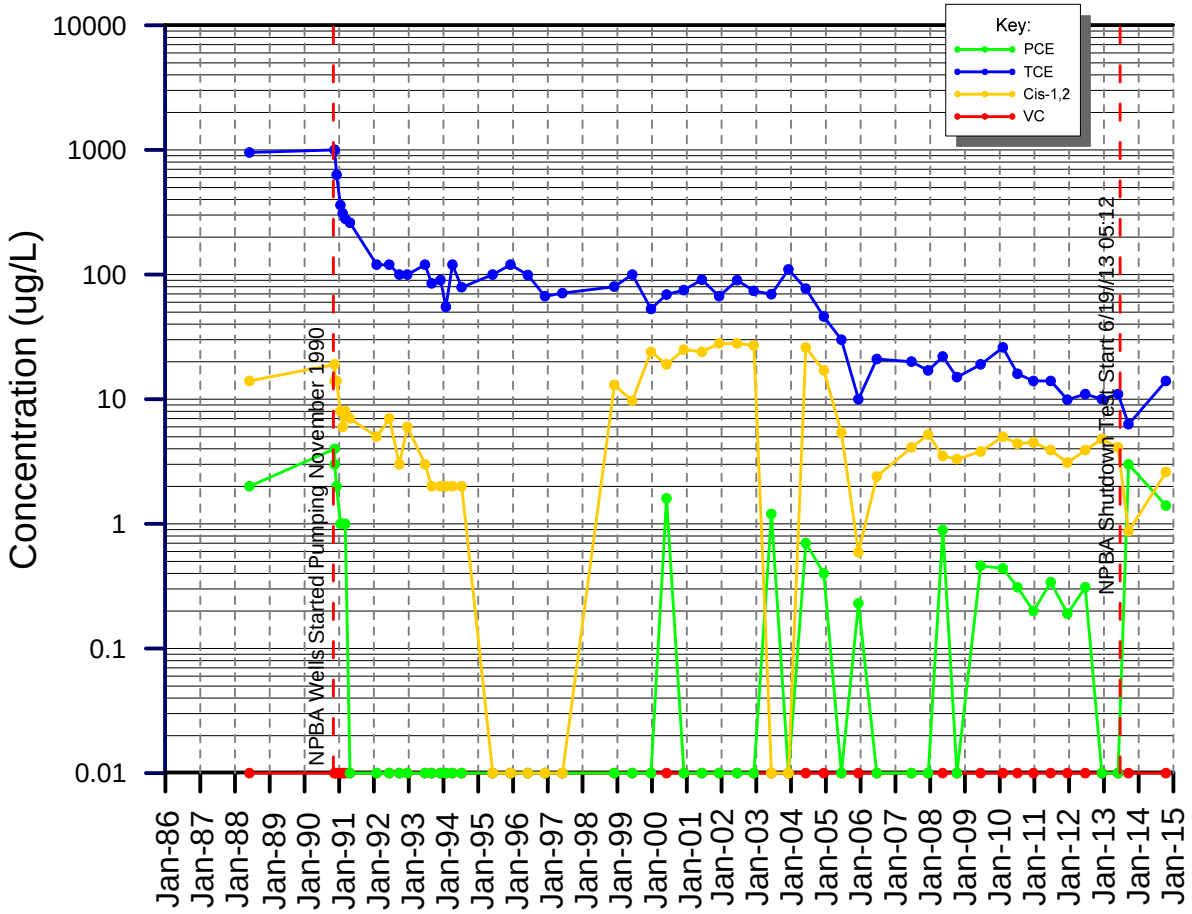
CW-1A


Key:
PCE
TCE
Cis-1,2
VC
Concentration (ug/L)
4000
3000
2000
1000
0
NPBA Wells Started Pumping November 1990
NPBA Shutdown Test Start 6/19//13 05:12
Jan-86
Jan-87
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15


Key:
PCE
TCE
Cis-1,2
VC
Concentration (ug/L)
10000
1000
100
10
1
0.1
0.01
NPBA Wells Started Pumping November 1990
NPBA Shutdown Test Start 6/19//13 05:12
Jan-86
Jan-87
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15

CW-2


Key:
PCE
TCE
Cis-1,2
VC
Concentration (ug/L)
1100
1000
900
800
700
600
500
400
300
200
100
0
NPBA Wells Started Pumping November 1990
NPBA Shutdown Test Start 6/19//13 05:12
Jan-86
Jan-87
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15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Cis-1,2
VC
Concentration (ug/L)
10000
1000
100
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0.01
NPBA Wells Started Pumping November 1990
NPBA Shutdown Test Start 6/19//13 05:12
Jan-86
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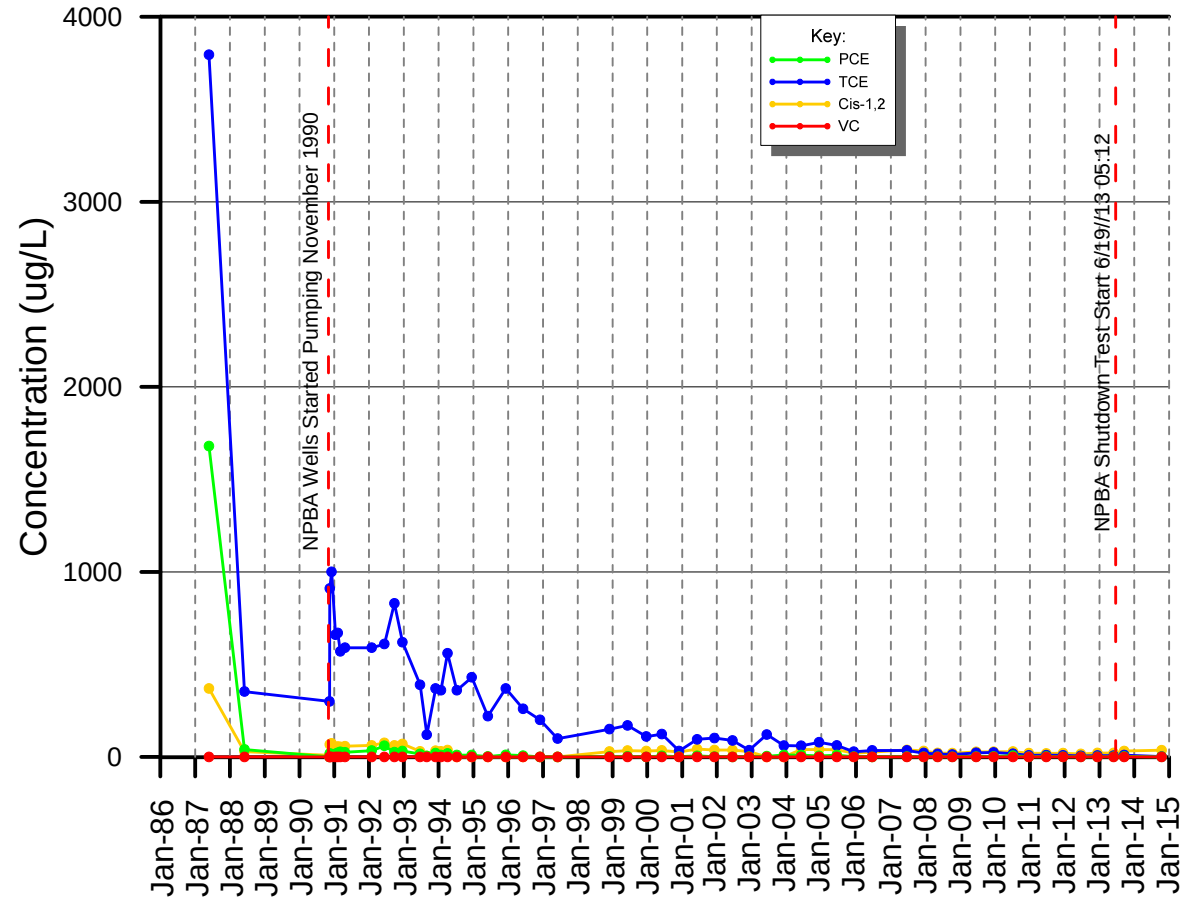
CW-3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VC
Concentration (ug/L)
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NPBA Shutdown Test Start 6/19//13 05:12
Jan-86
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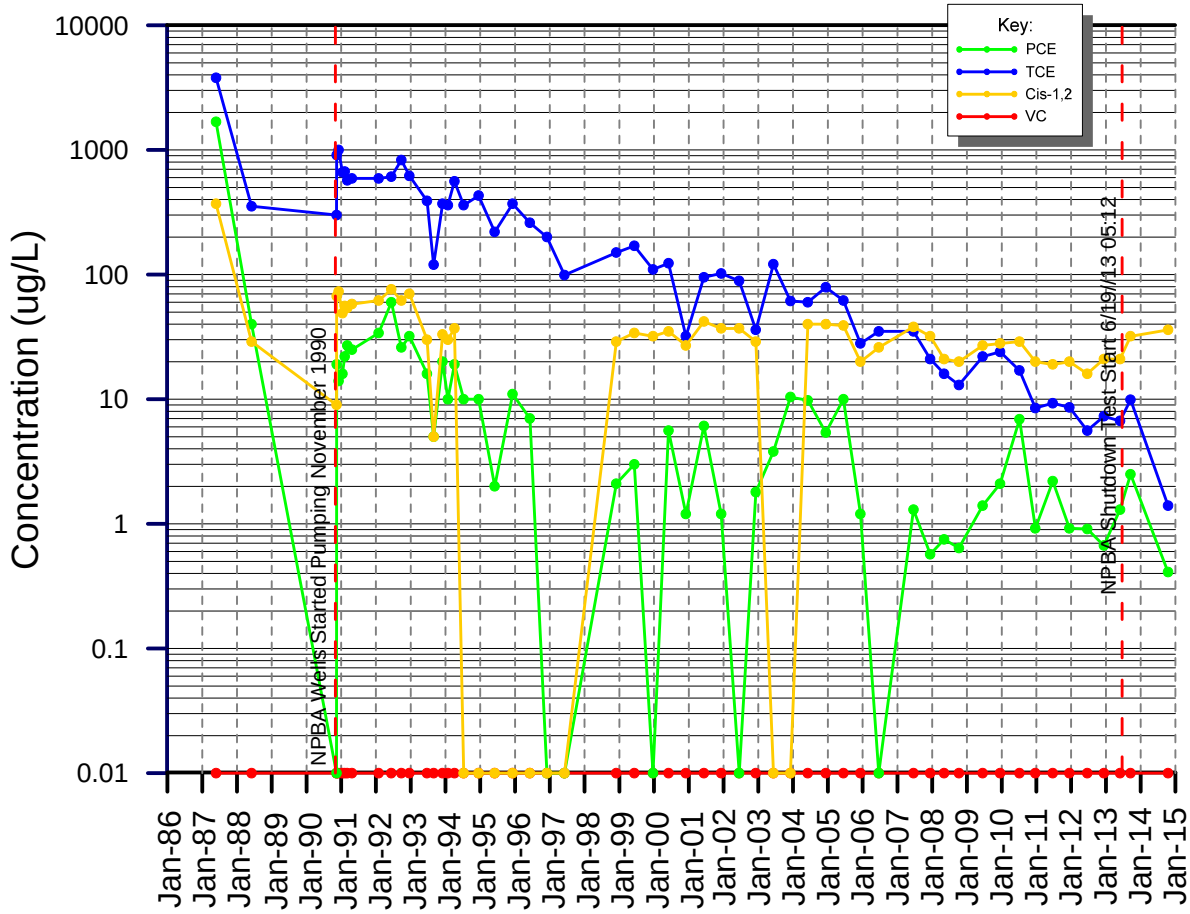
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Cis-1,2
VC
Concentration (ug/L)
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1000
100
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0.1
0.01
NPBA Wells Started Pumping November 1990
NPBA Shutdown Test Start 6/19//13 05:12
Jan-86
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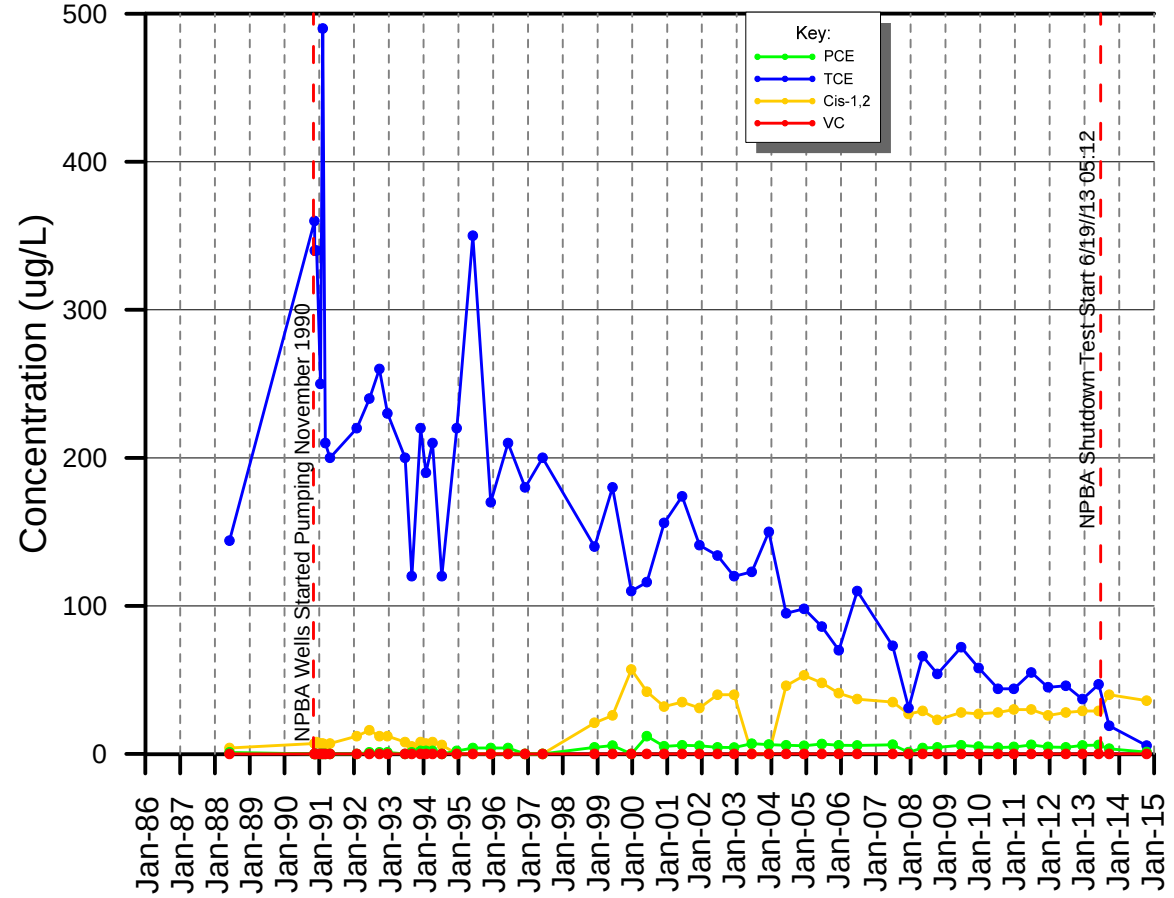
CW-4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Cis-1,2
VC
Concentration (ug/L)
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400
300
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NPBA Wells Started Pumping November 1990
NPBA Shutdown Test Start 6/19//13 05:12
Jan-86
Jan-87
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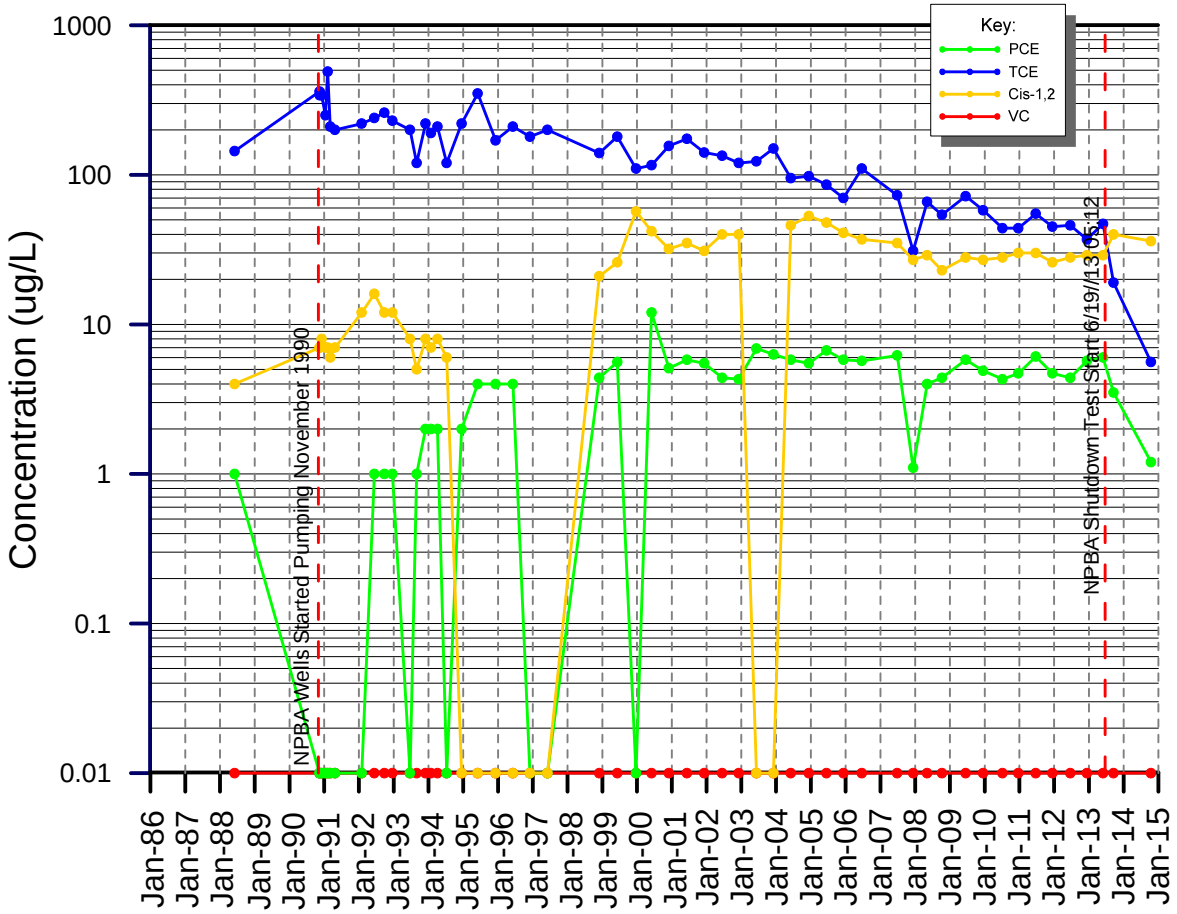
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Concentration (ug/L)
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100
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0.1
0.01
NPBA Wells Started Pumping November 1990
NPBA Shutdown Test Start 6/19//13 05:12
Jan-86
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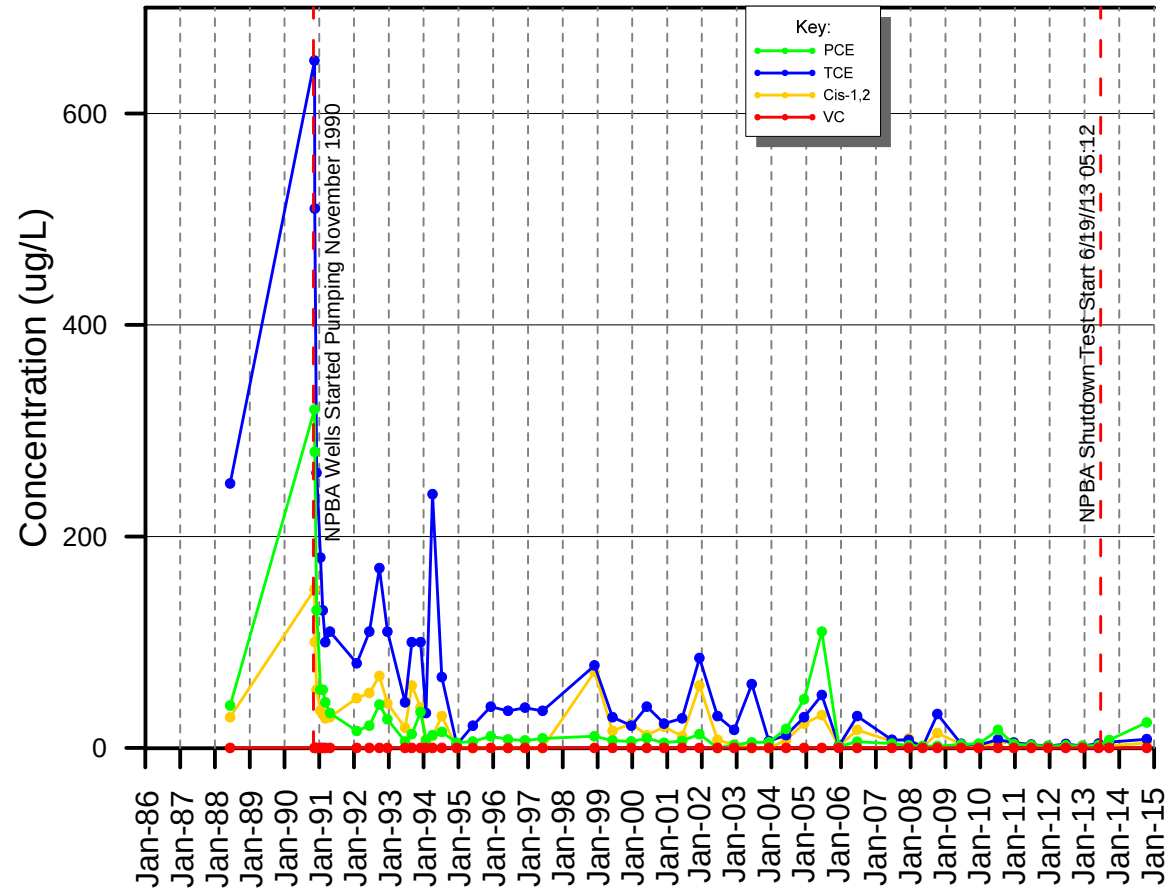
CW-5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Concentration (ug/L)
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NPBA Shutdown Test Start 6/19//13 05:12
Jan-86
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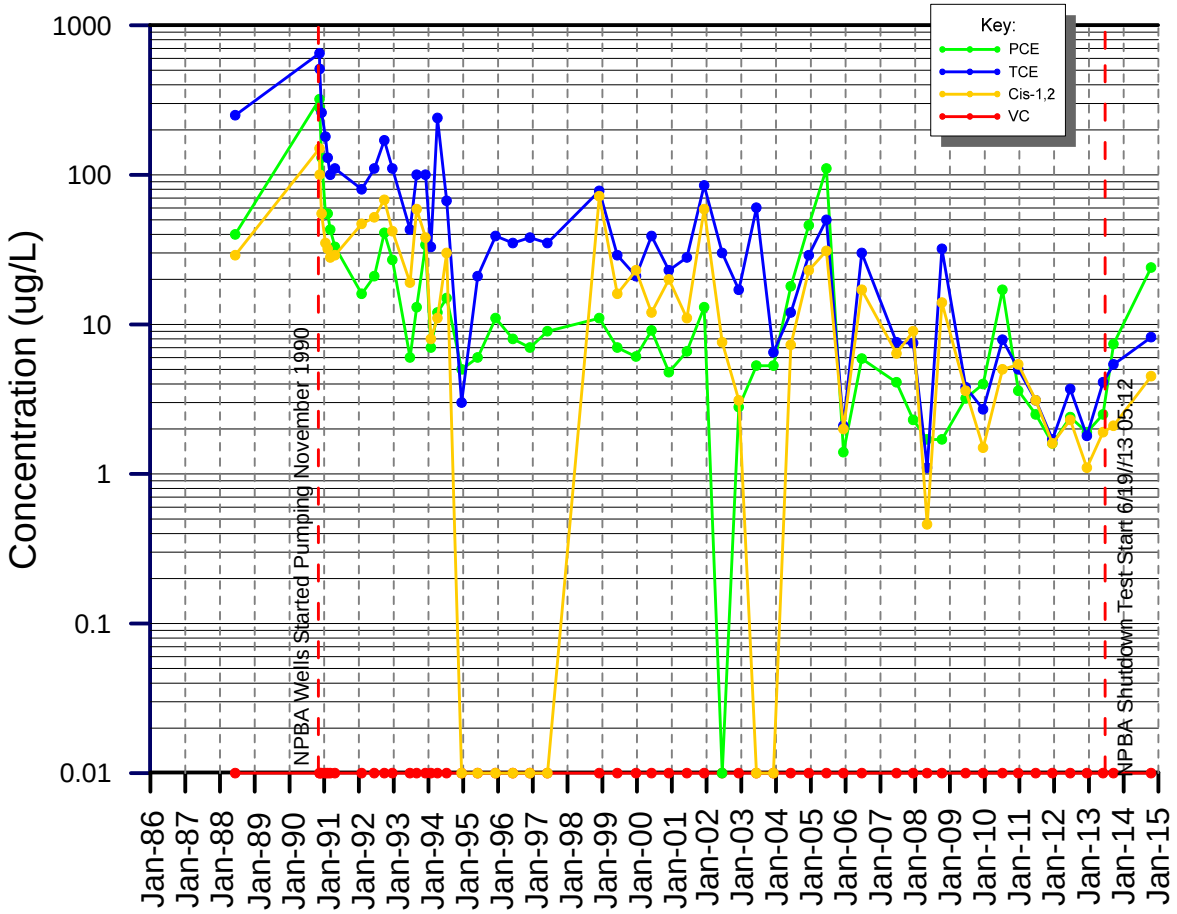
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Cis-1,2
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Concentration (ug/L)
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0.1
0.01
NPBA Wells Started Pumping November 1990
NPBA Shutdown Test Start 6/19//13 05:12
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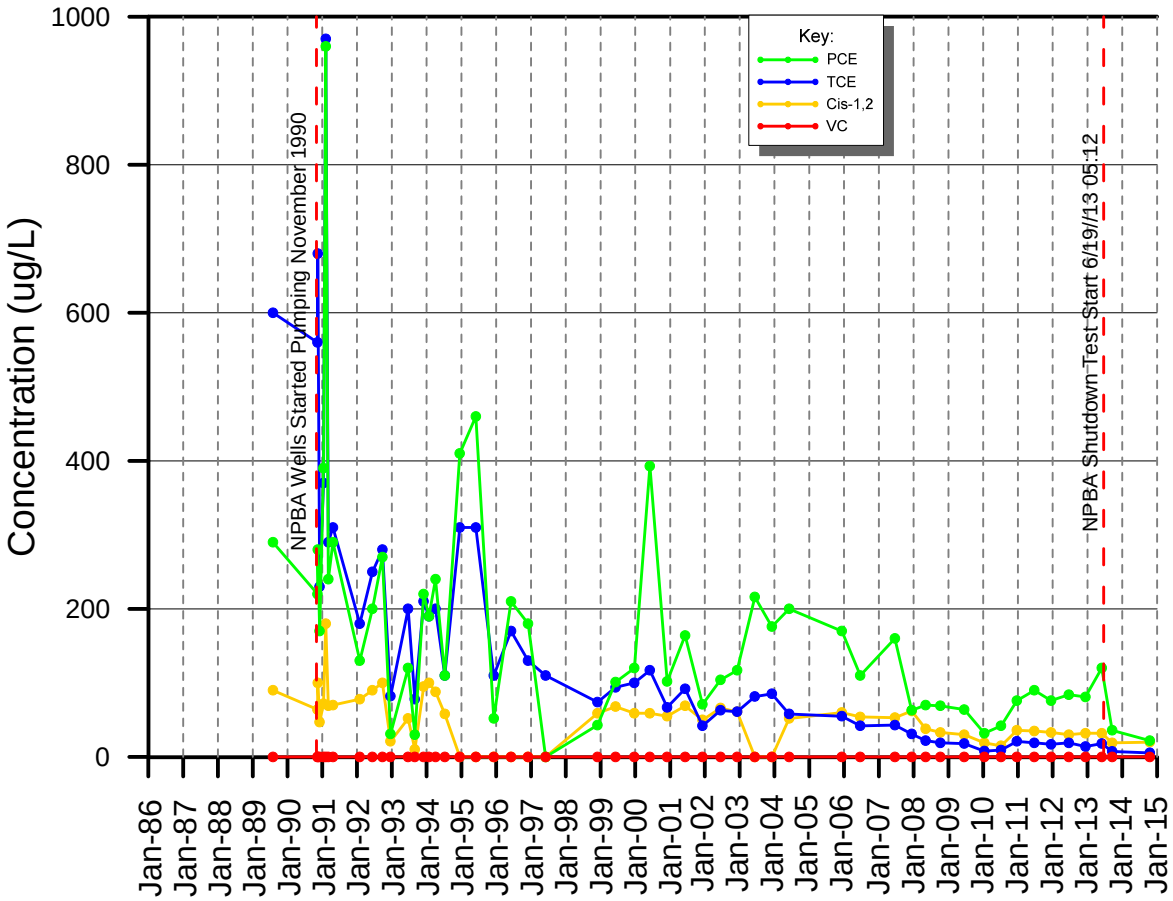
CW-6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TCE
Cis-1,2
VC
Concentration (ug/L)
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800
600
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200
0
NPBA Wells Started Pumping November 1990
NPBA Shutdown Test Start 6/19//13 05:12
Jan-86
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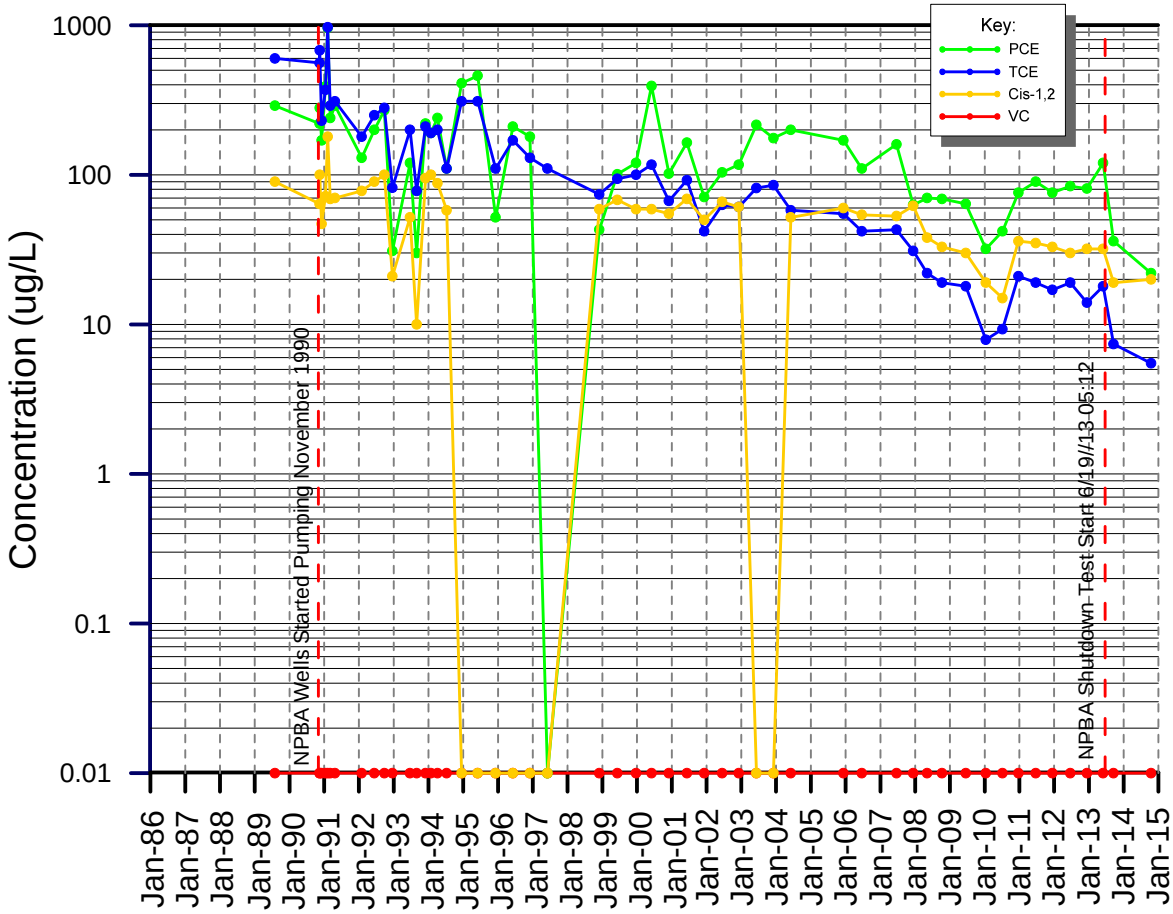
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TCE
Cis-1,2
VC
Concentration (ug/L)
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0.1
0.01
NPBA Wells Started Pumping November 1990
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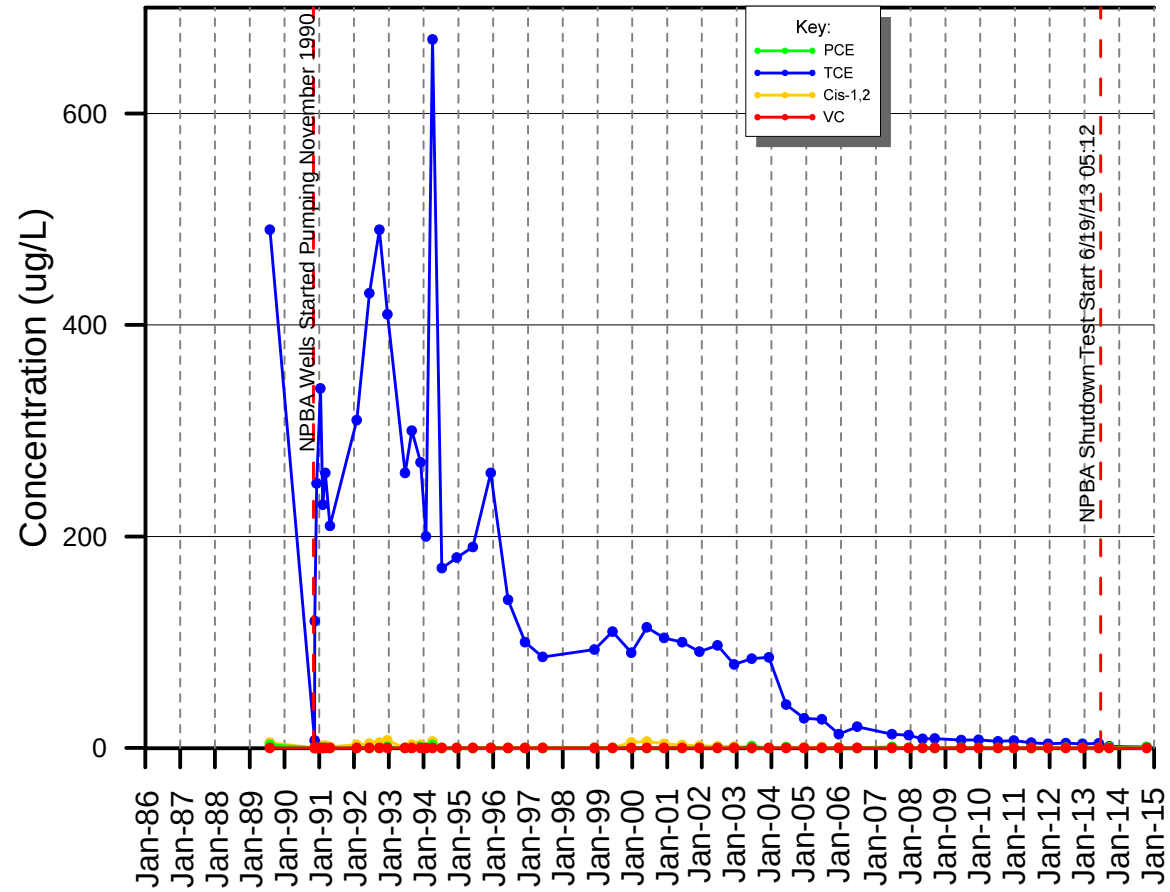
CW-7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TCE
Cis-1,2
VC
Concentration (ug/L)
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200
400
600
NPBA Wells Started Pumping November 1990
NPBA Shutdown Test Start 6/19//13 05:12
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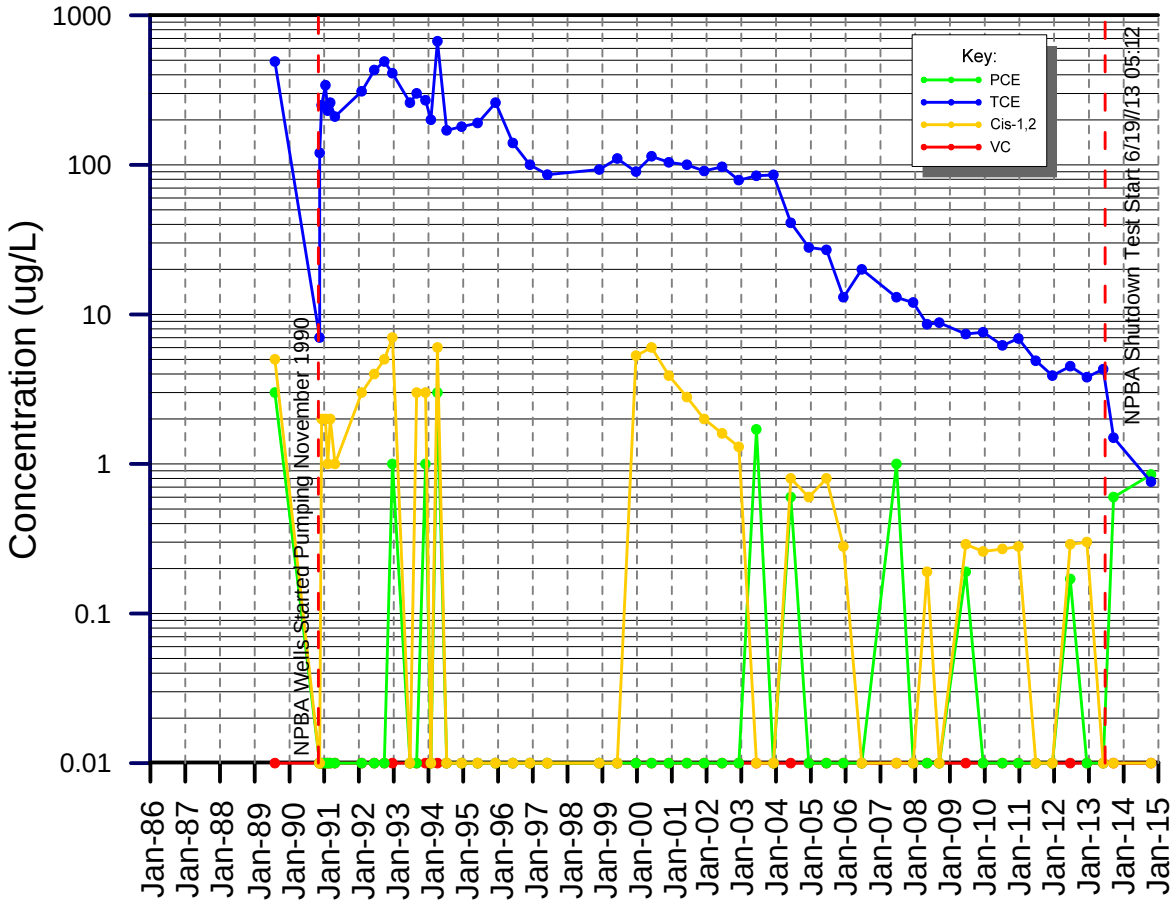
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TCE
Cis-1,2
VC
Concentration (ug/L)
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0.1
1
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100
1000
NPBA Wells Started Pumping November 1990
NPBA Shutdown Test Start 6/19//13 05:12
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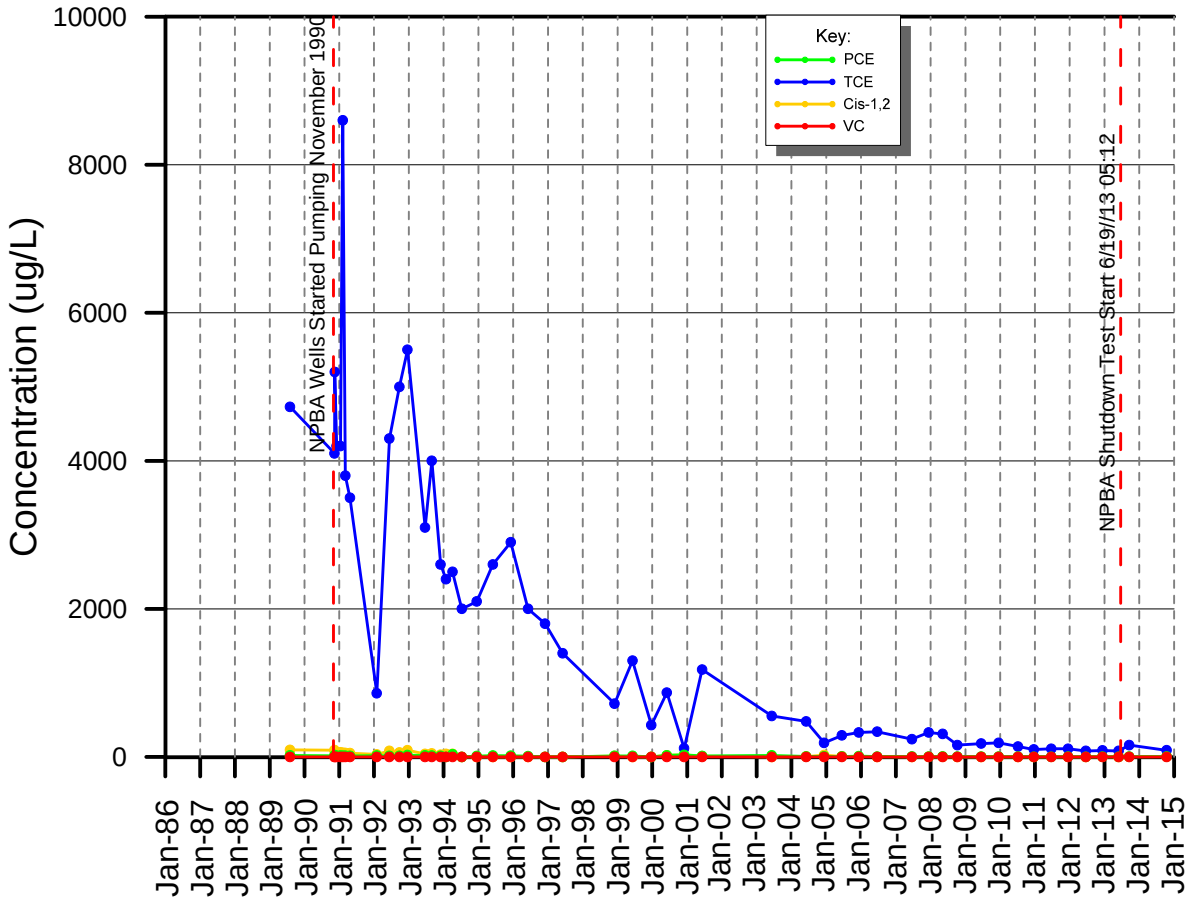
CW-7A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Cis-1,2
VC
Concentration (ug/L)
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0
NPBA Wells Started Pumping November 1990
NPBA Shutdown Test Start 6/19//13 05:12
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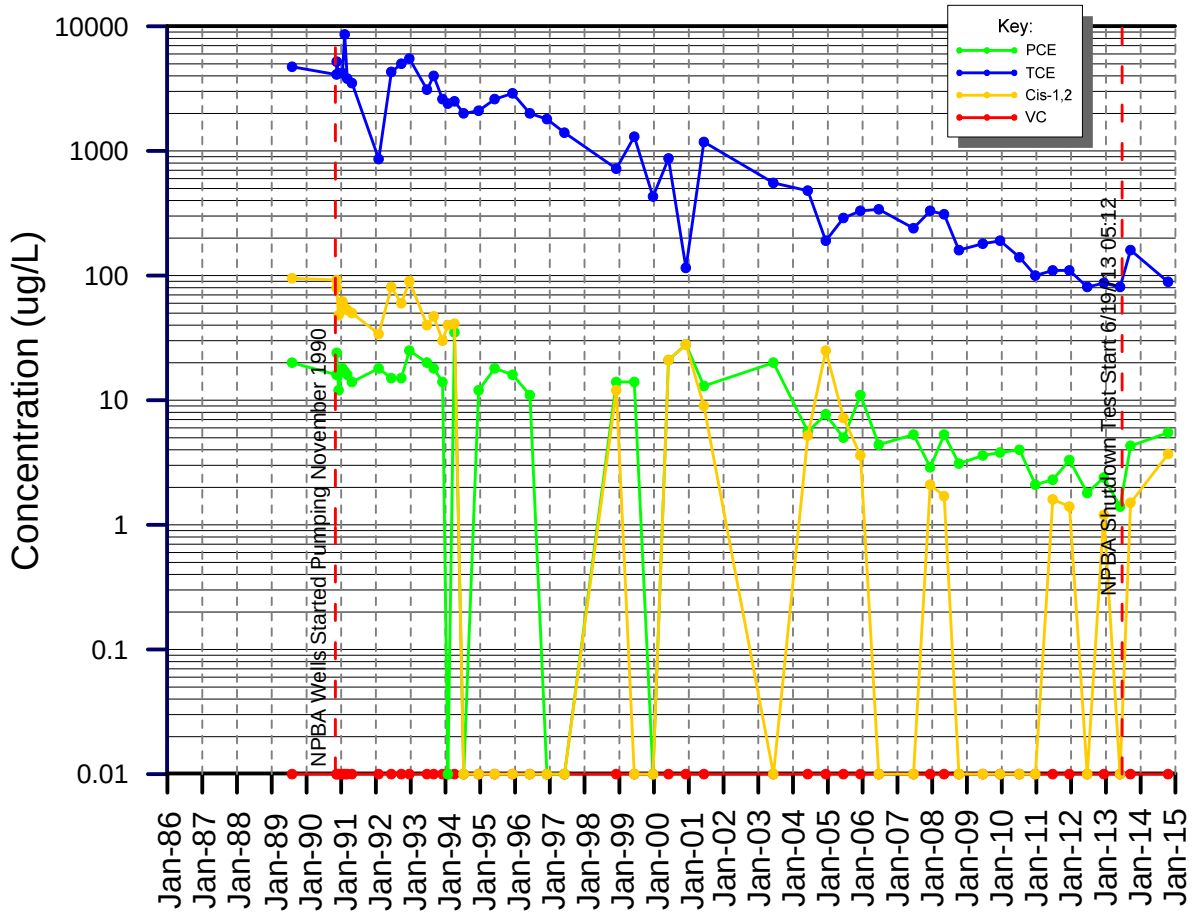
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TCE
Cis-1,2
VC
Concentration (ug/L)
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1000
100
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0.1
0.01
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NPBA Shutdown Test Start 6/19/13 05:12
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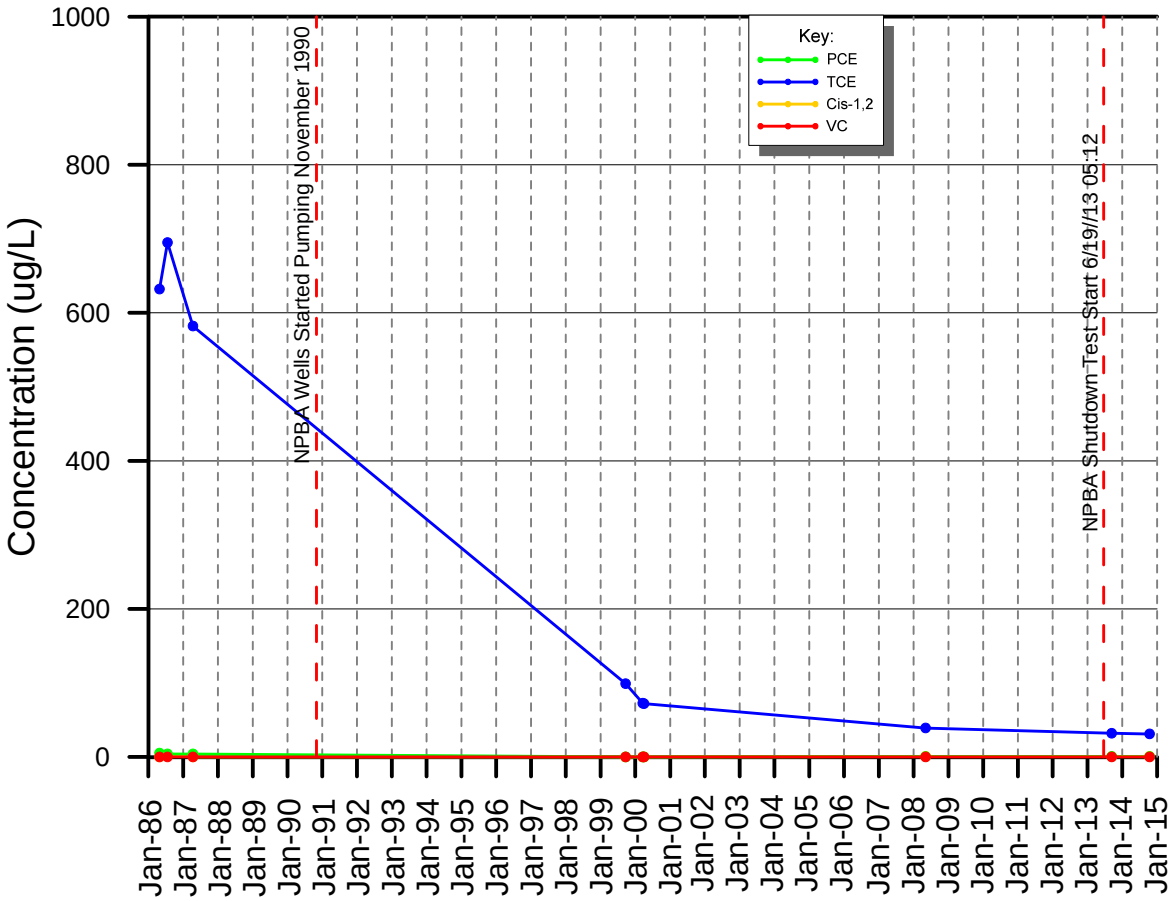
MW-3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Cis-1,2
VC
Concentration (ug/L)
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NPBA Wells Started Pumping November 1990
NPBA Shutdown Test Start 6/19//13 05:12
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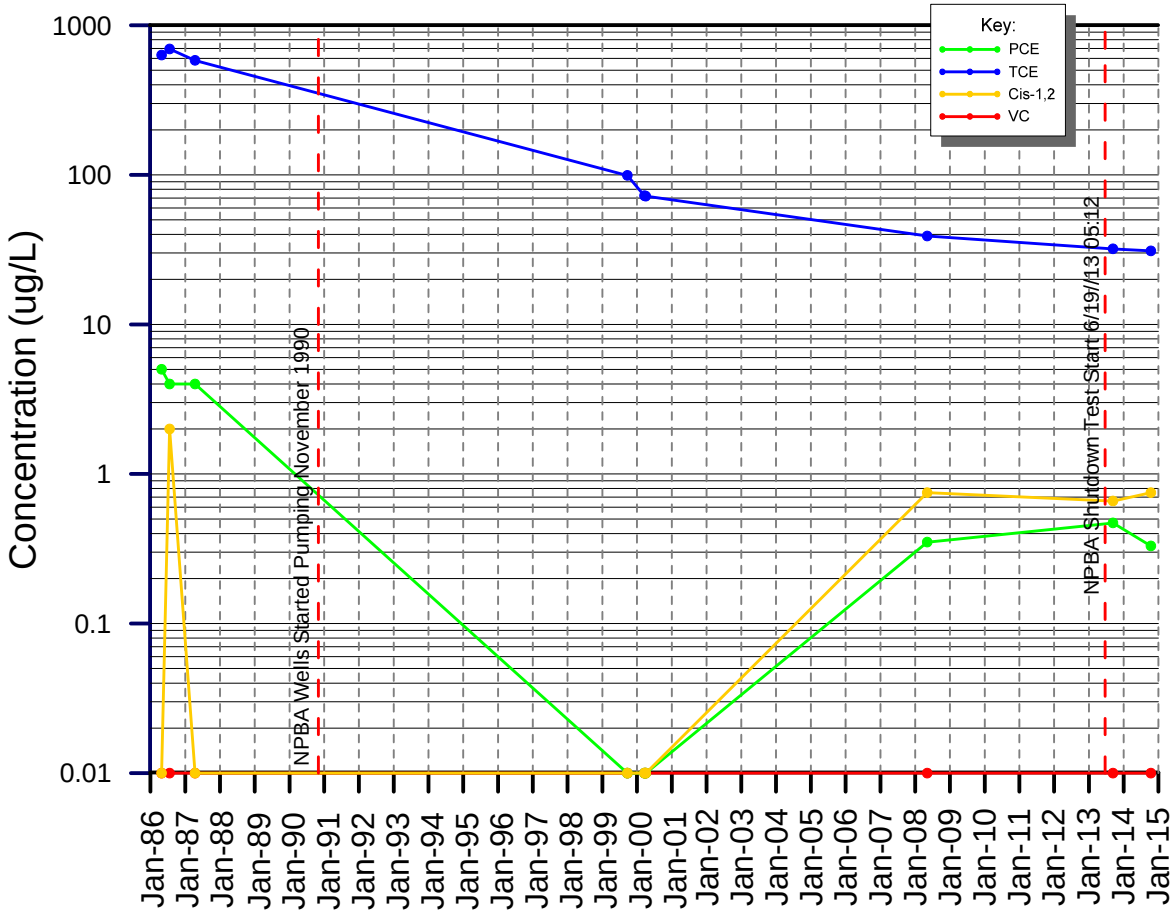
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Cis-1,2
VC
Concentration (ug/L)
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0.1
0.01
NPBA Wells Started Pumping November 1990
NPBA Shutdown Test Start 6/19//13 05:12
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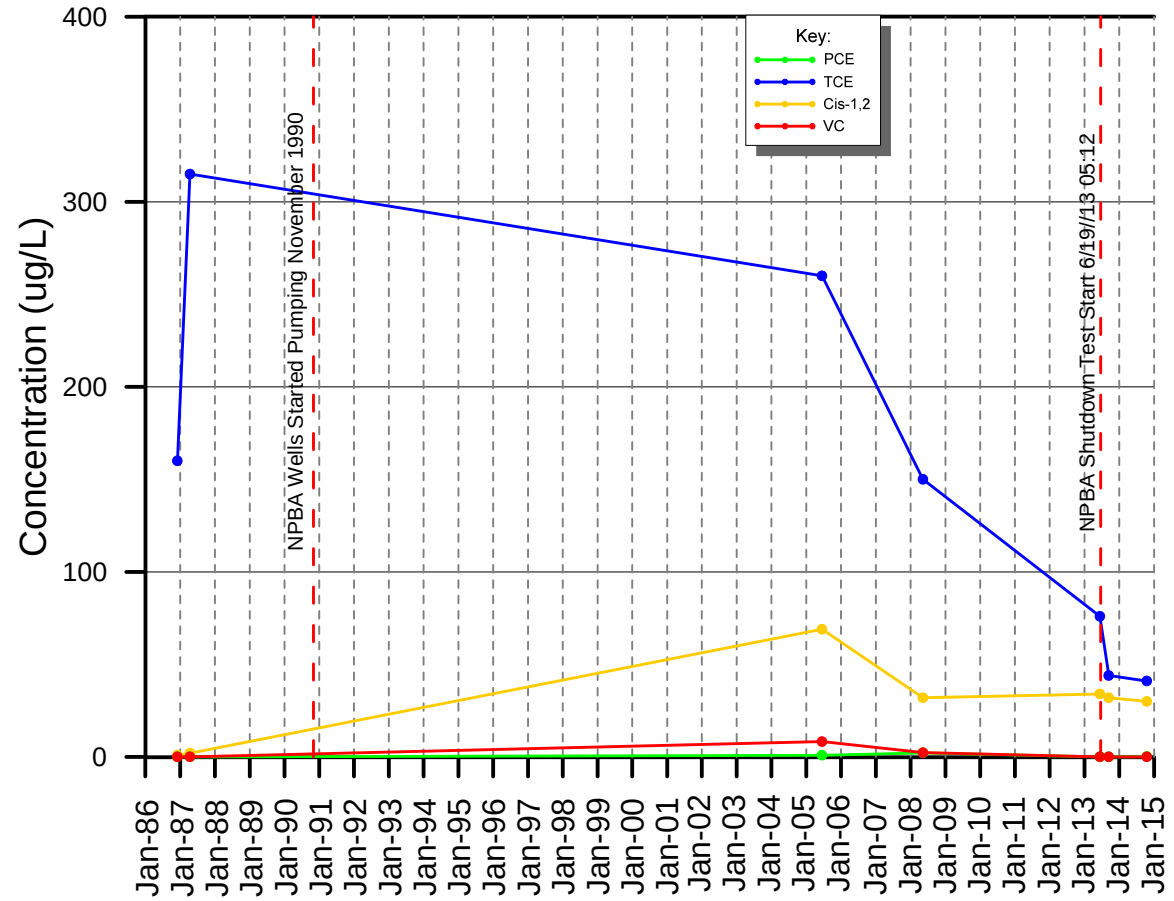
MW-9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Concentration (ug/L)
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NPBA Shutdown Test Start 6/19//13 05:12
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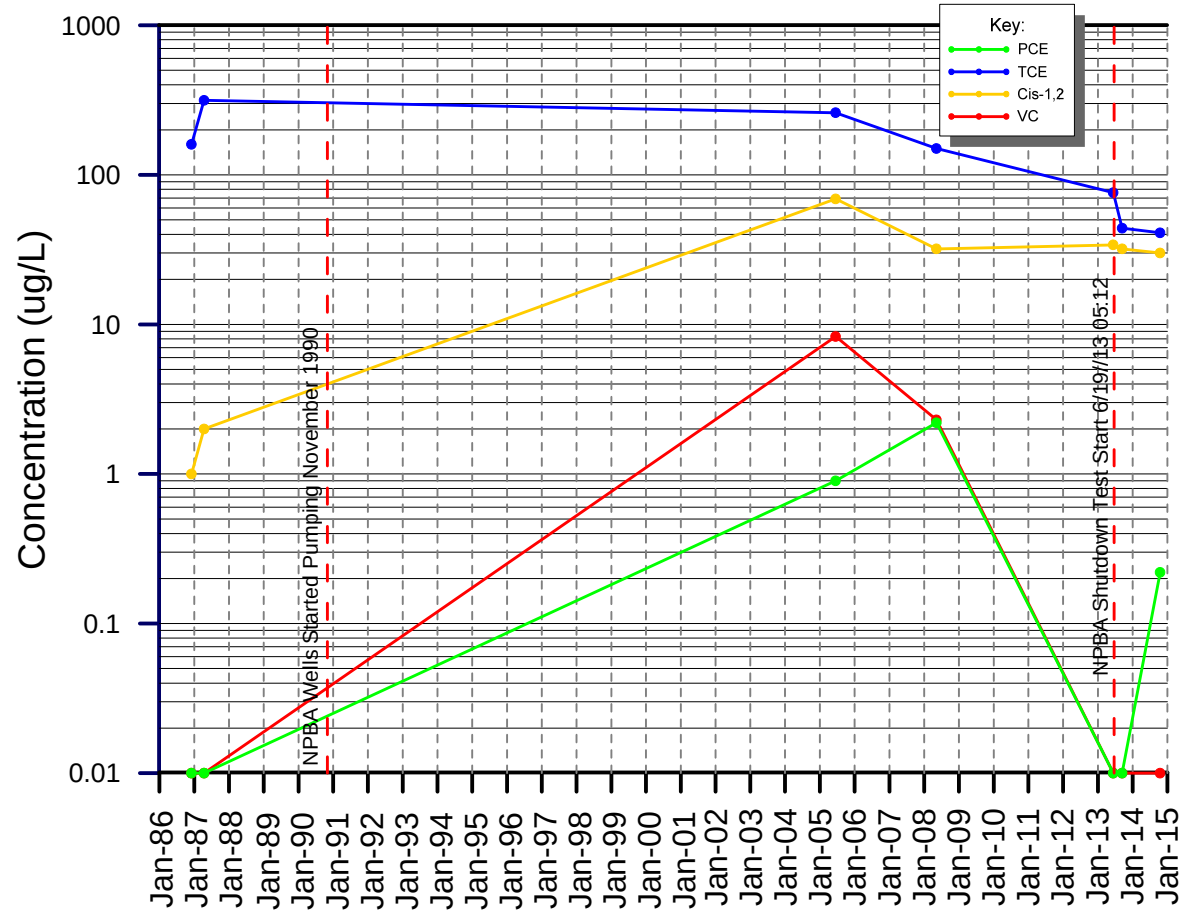
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Cis-1,2
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Concentration (ug/L)
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0.01
NPBA Wells Started Pumping November 1990
NPBA Shutdown Test Start 6/19//13 05:12
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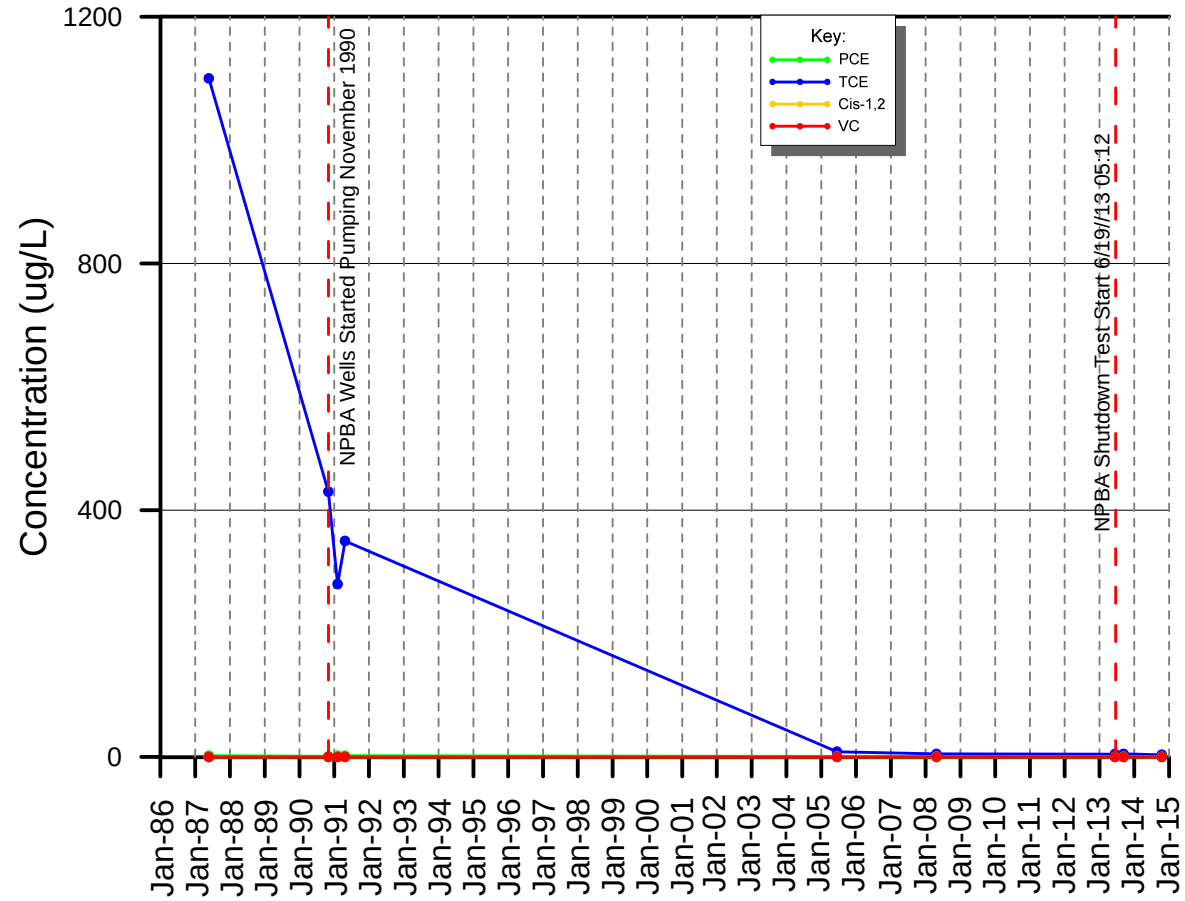
MW-11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VC
Concentration (ug/L)
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NPBA Shutdown Test Start 6/19//13 05:12
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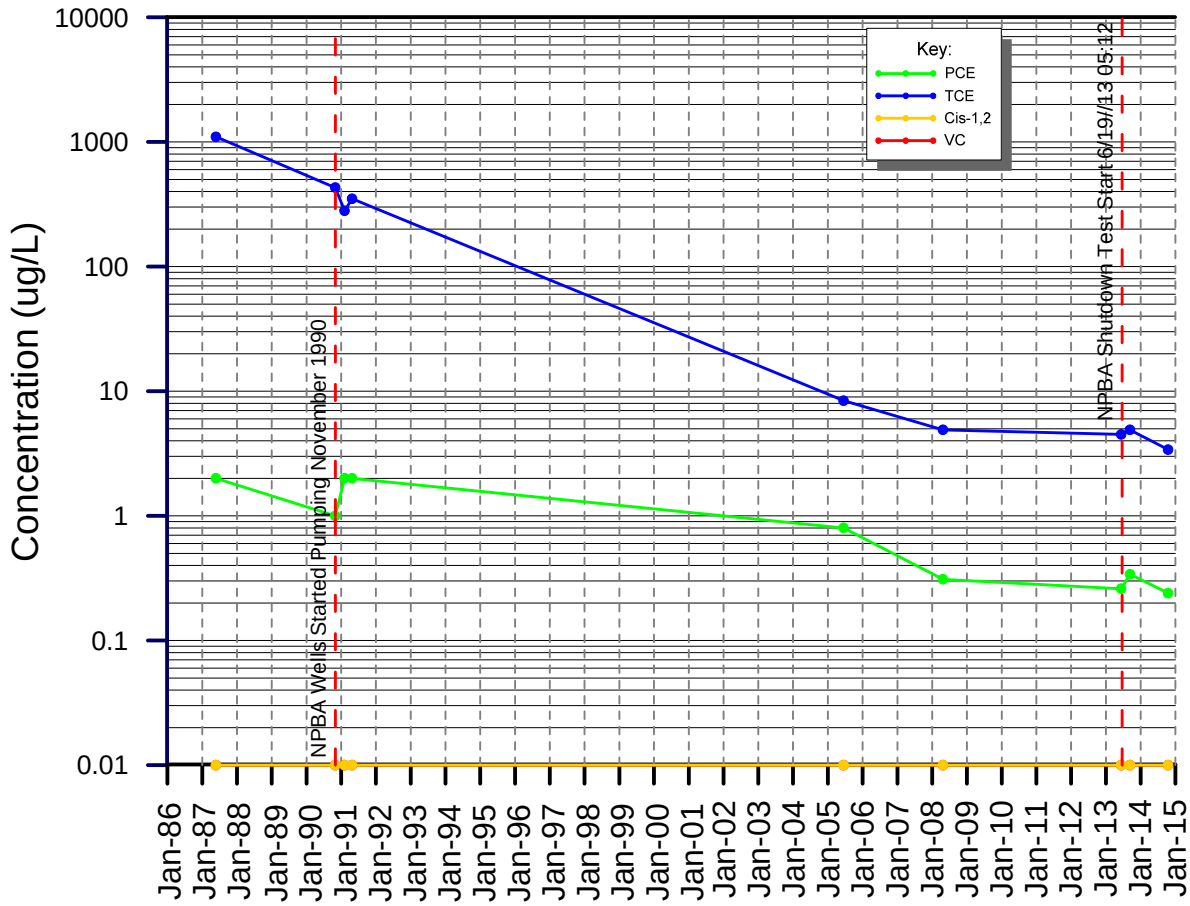
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Concentration (ug/L)
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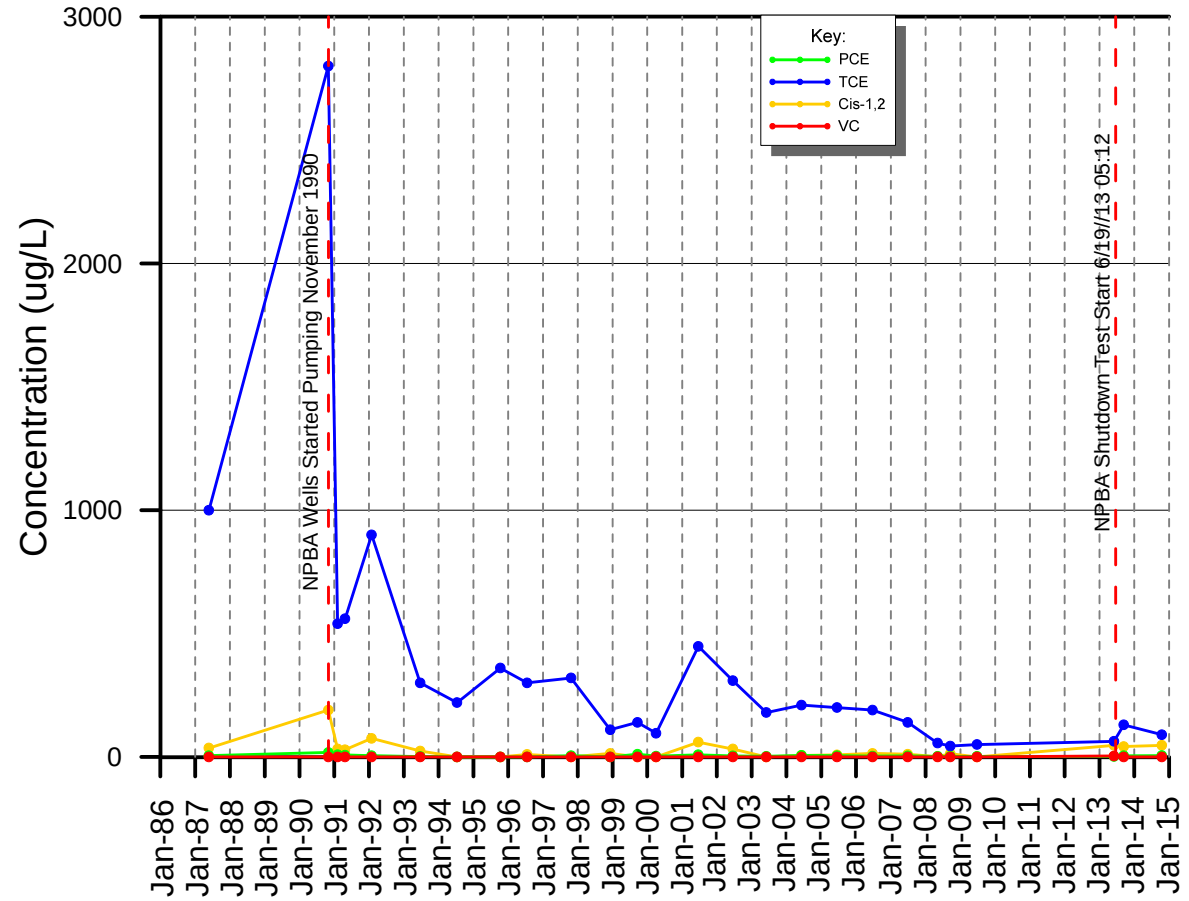
MW-12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VC
Concentration (ug/L)
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NPBA Shutdown Test Start 6/19//13 05:12
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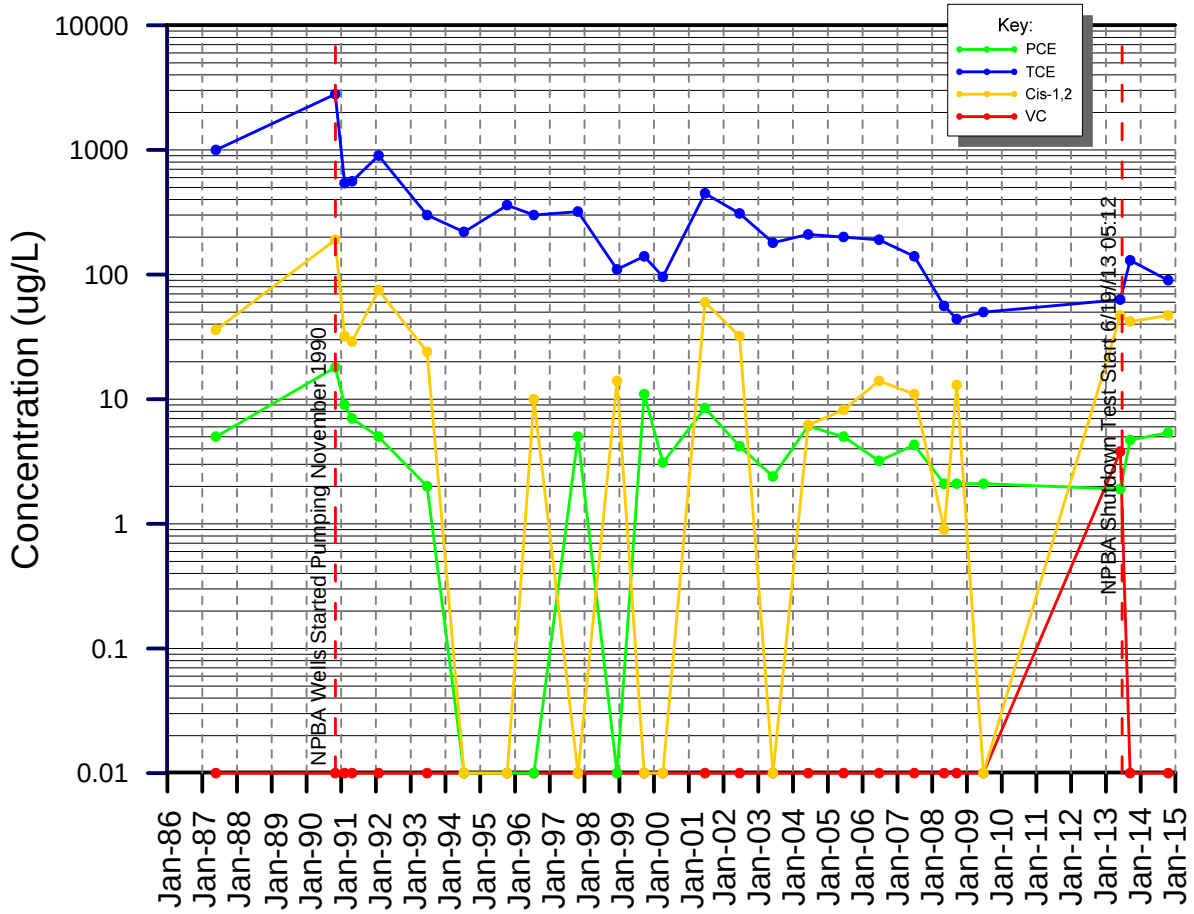
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Cis-1,2
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Concentration (ug/L)
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0.1
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NPBA Wells Started Pumping November 1990
NPBA Shutdown Test Start 6/19//13 05:12
Jan-86
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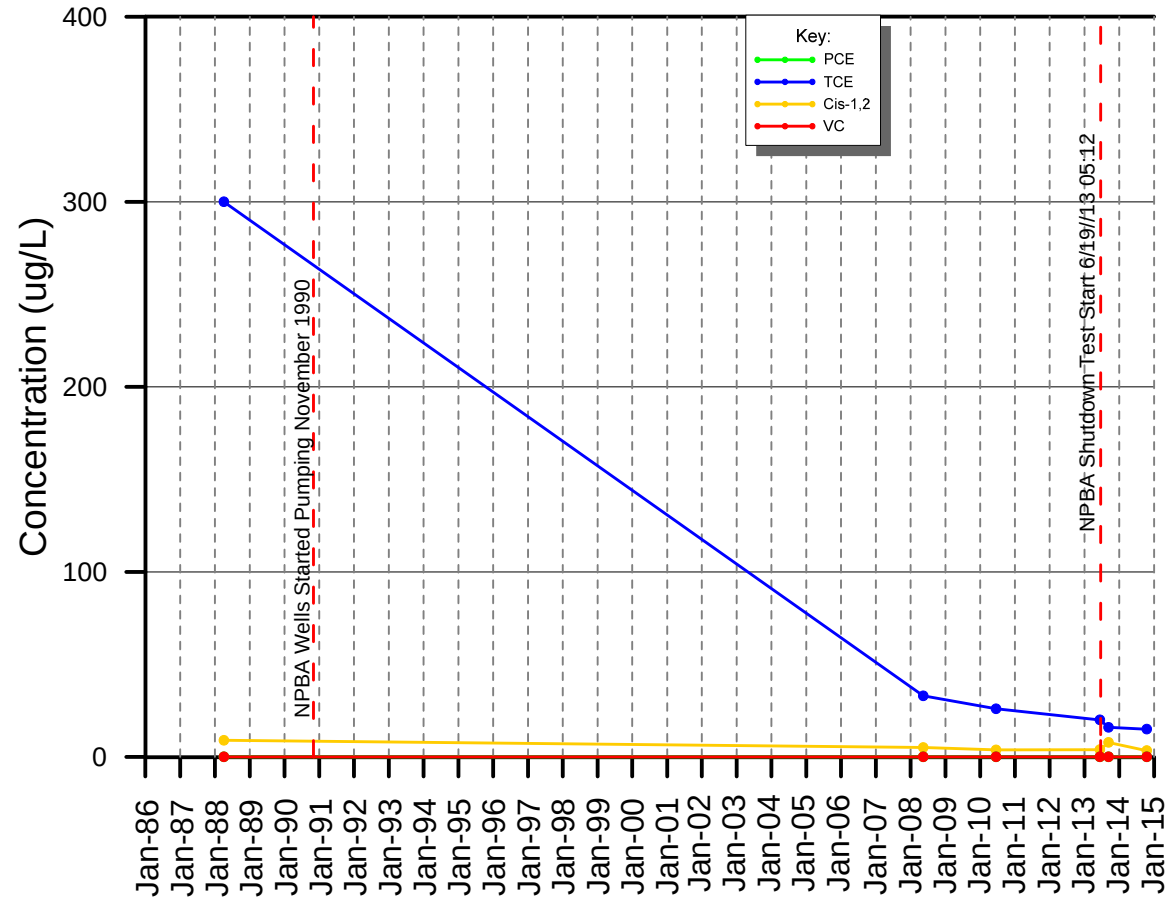
MW-16D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TCE
Cis-1,2
VC
Concentration (ug/L)
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NPBA Wells Started Pumping November 1990
NPBA Shutdown Test Start 6/19//13 05:12
Jan-86
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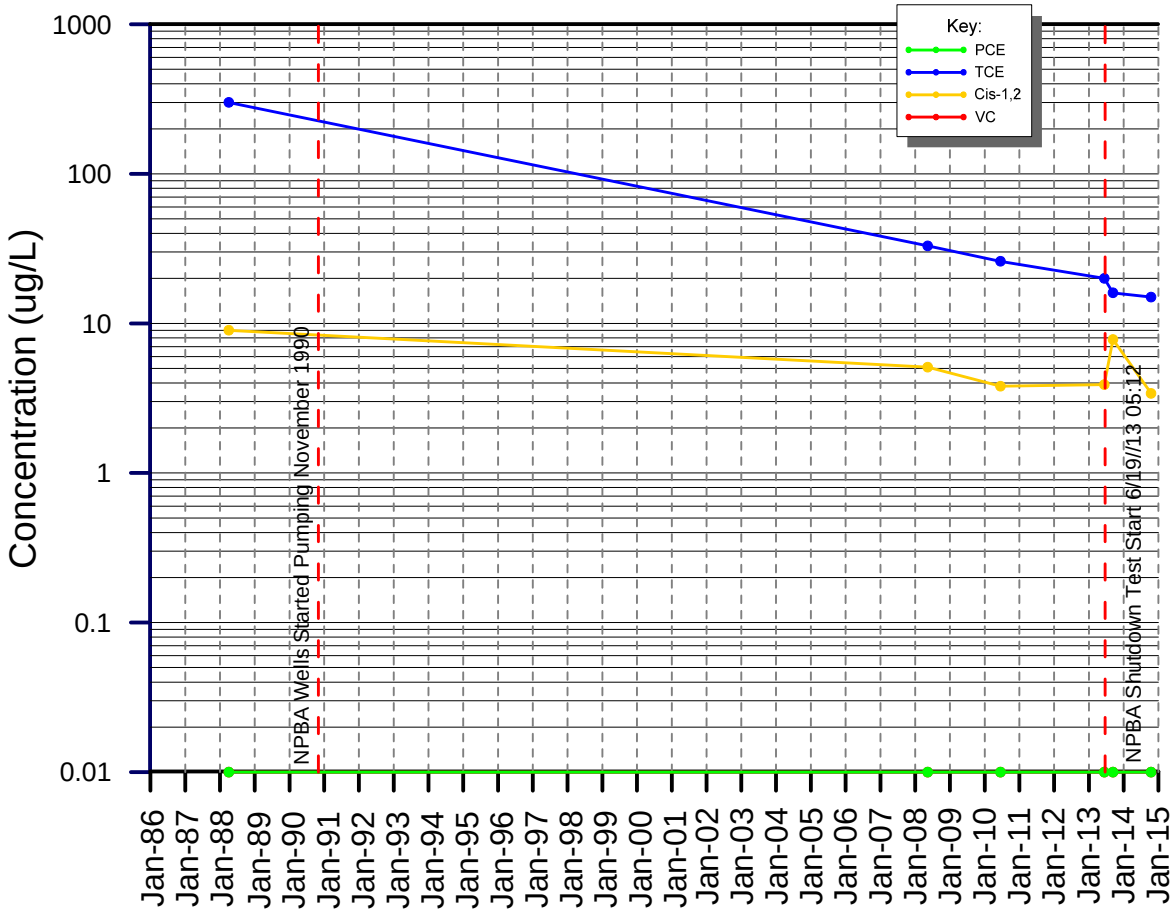
Key:
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TCE
Cis-1,2
VC
Concentration (ug/L)
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0.1
0.01
NPBA Wells Started Pumping November 1990
NPBA Shutdown Test Start 6/19//13 05:12
Jan-86
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Jan-05
Jan-06
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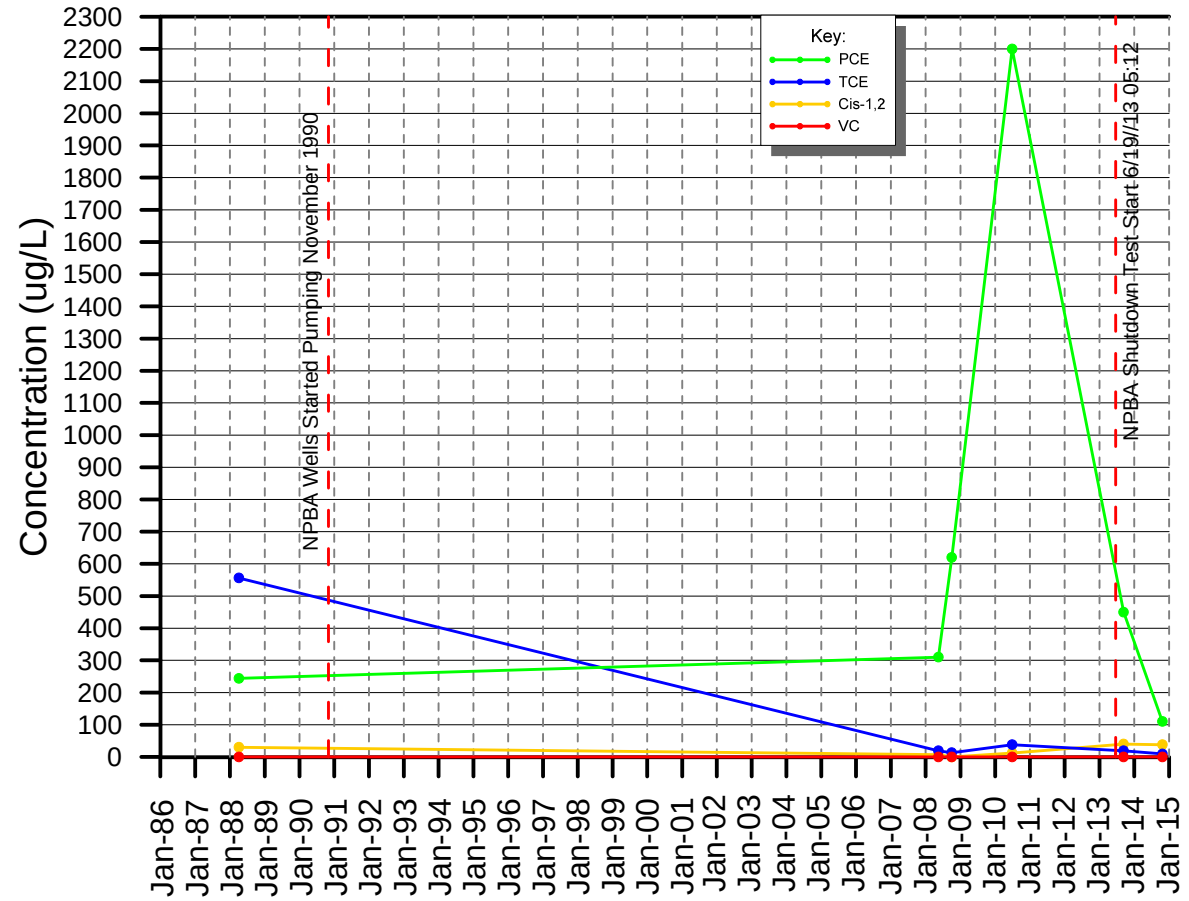
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15

MW-16S


Key:
PCE
TCE
Cis-1,2
VC
Concentration (ug/L)
2300
2200
2100
2000
1900
1800
1700
1600
1500
1400
1300
1200
1100
1000
900
800
700
600
500
400
300
200
100
0
NPBA Wells Started Pumping November 1990
NPBA Shutdown Test Start 6/19/13 05:12
Jan-86
Jan-87
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
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Jan-11
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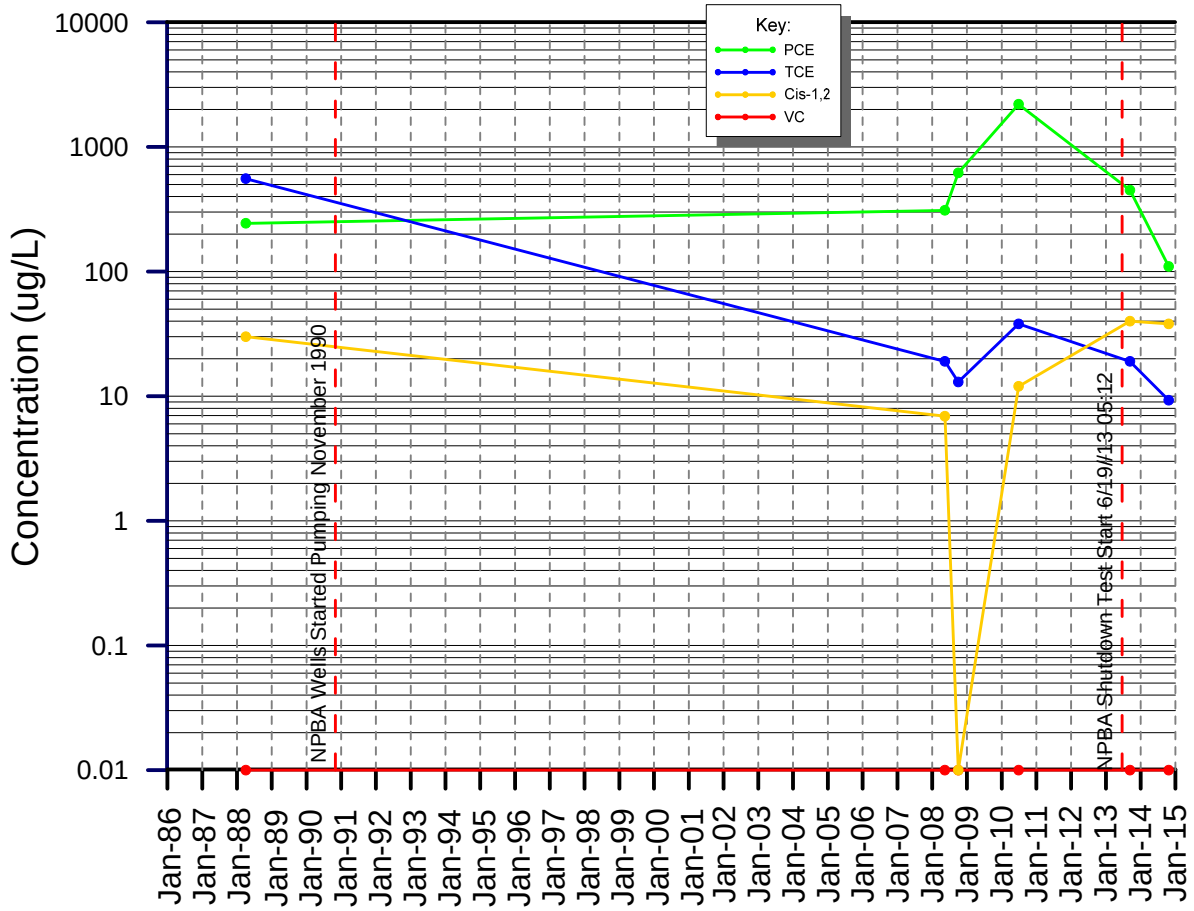
Jan-13
Jan-14
Jan-15


Key:
PCE
TCE
Cis-1,2
VC
Concentration (ug/L)
10000
1000
100
10
1
0.1
0.01
NPBA Wells Started Pumping November 1990
NPBA Shutdown Test Start 6/19/13 05:12
Jan-86
Jan-87
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
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Jan-10
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Jan-12
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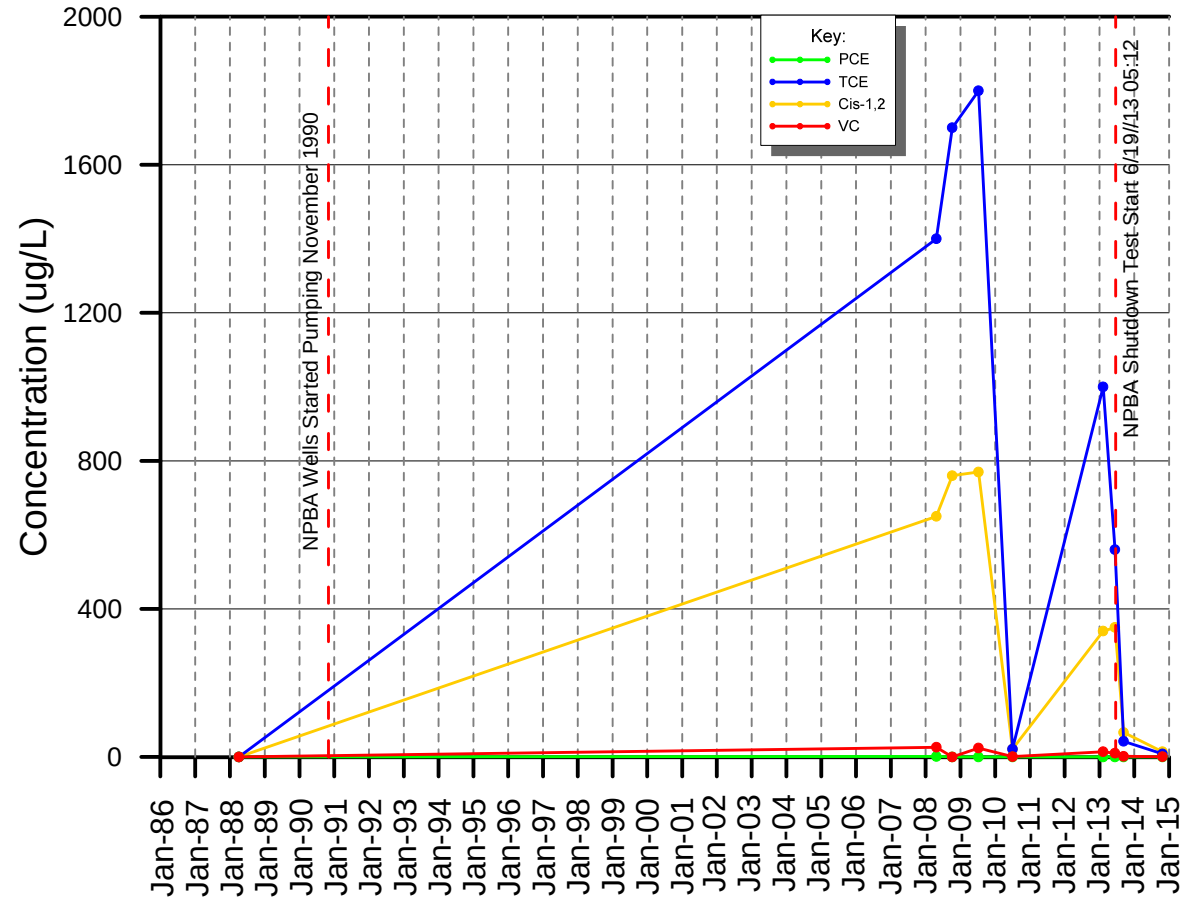
Jan-14
Jan-15

MW-18D


Key:
PCE
TCE
Cis-1,2
VC
Concentration (ug/L)
2000
1600
1200
800
400
0
NPBA Wells Started Pumping November 1990
NPBA Shutdown Test Start 6/19//13 05:12
Jan-86
Jan-87
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
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Jan-13
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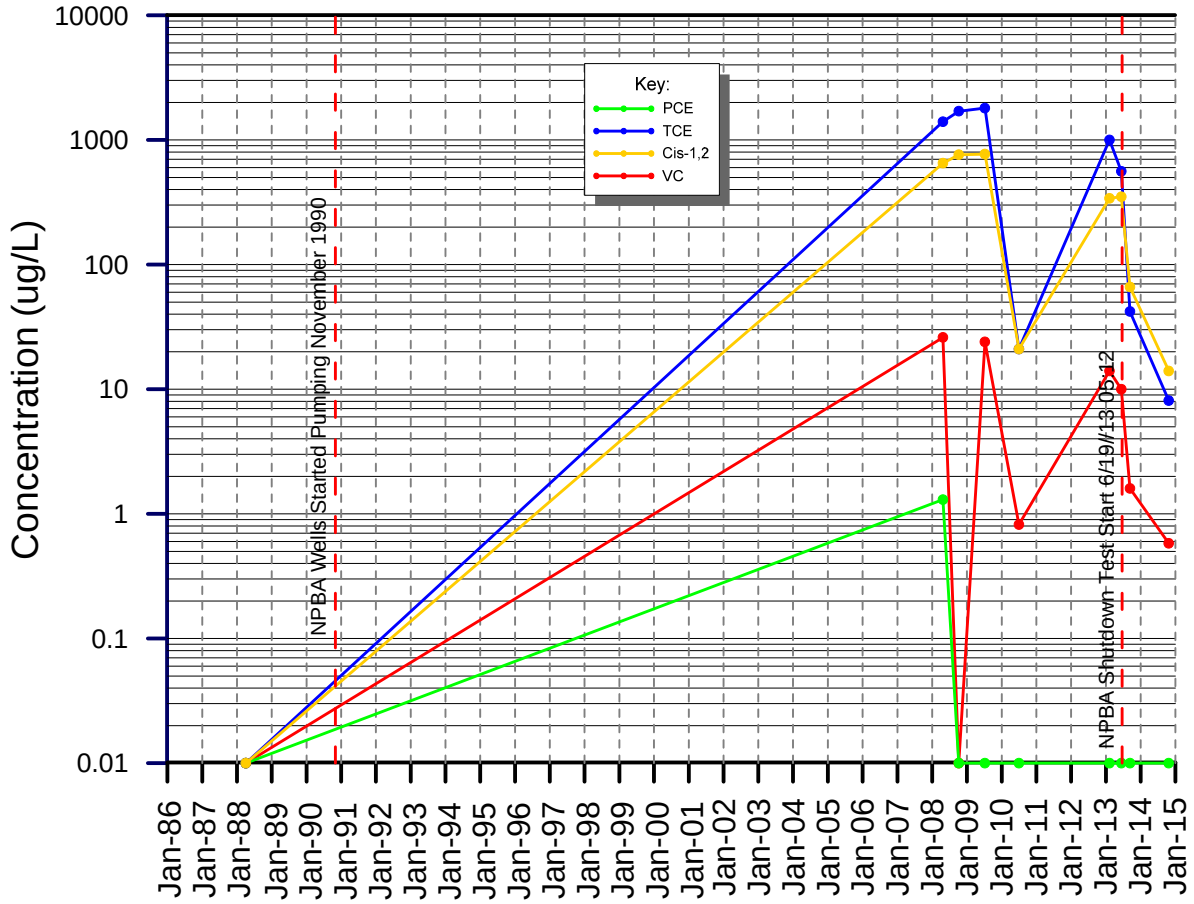
Jan-15


Key:
PCE
TCE
Cis-1,2
VC
Concentration (ug/L)
10000
1000
100
10
1
0.1
0.01
NPBA Wells Started Pumping November 1990
NPBA Shutdown Test Start 6/19//13 05:12
Jan-86
Jan-87
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
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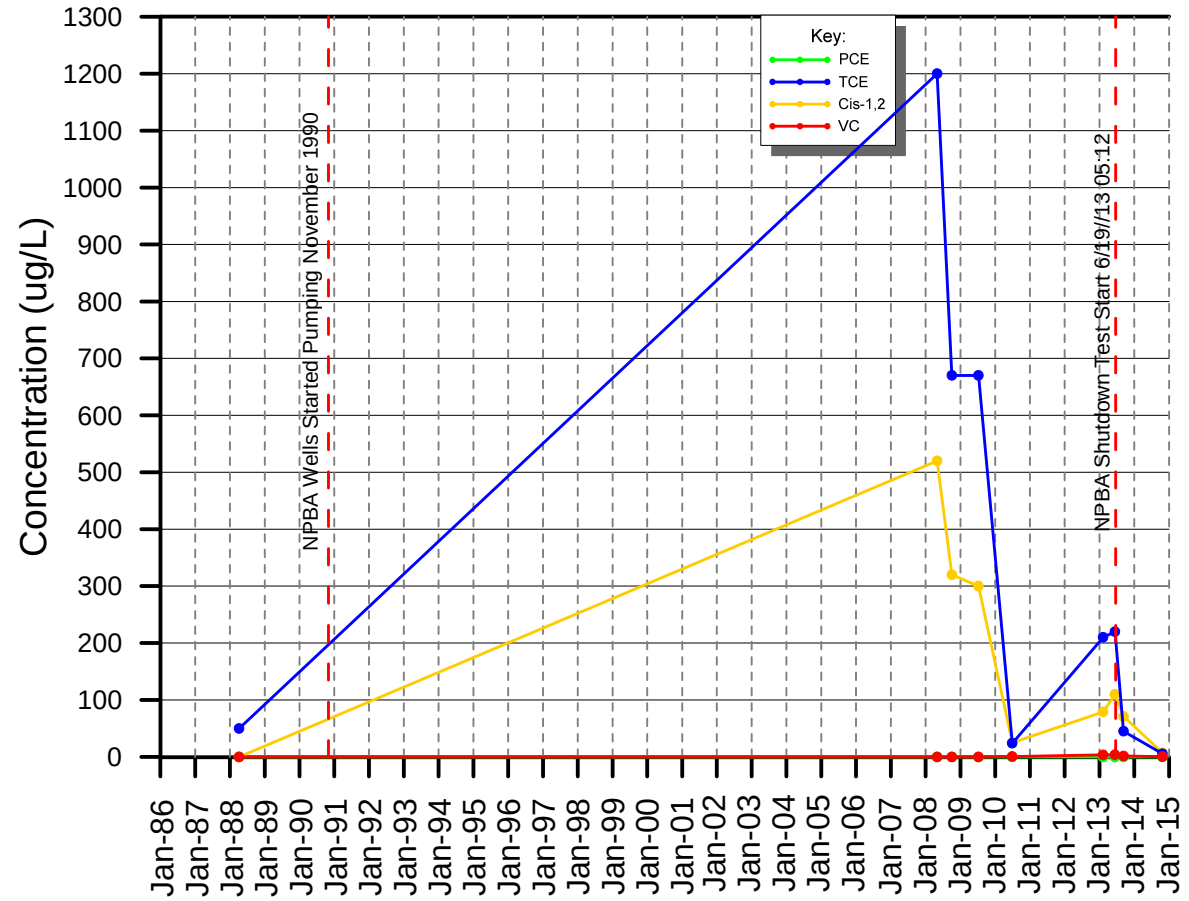
Jan-12
Jan-13
Jan-14
Jan-15

MW-18S


Key:
PCE
TCE
Cis-1,2
VC
Concentration (ug/L)
1300
1200
1100
1000
900
800
700
600
500
400
300
200
100
0
NPBA Wells Started Pumping November 1990
NPBA Shutdown Test Start 6/19/13 05:12
Jan-86
Jan-87
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
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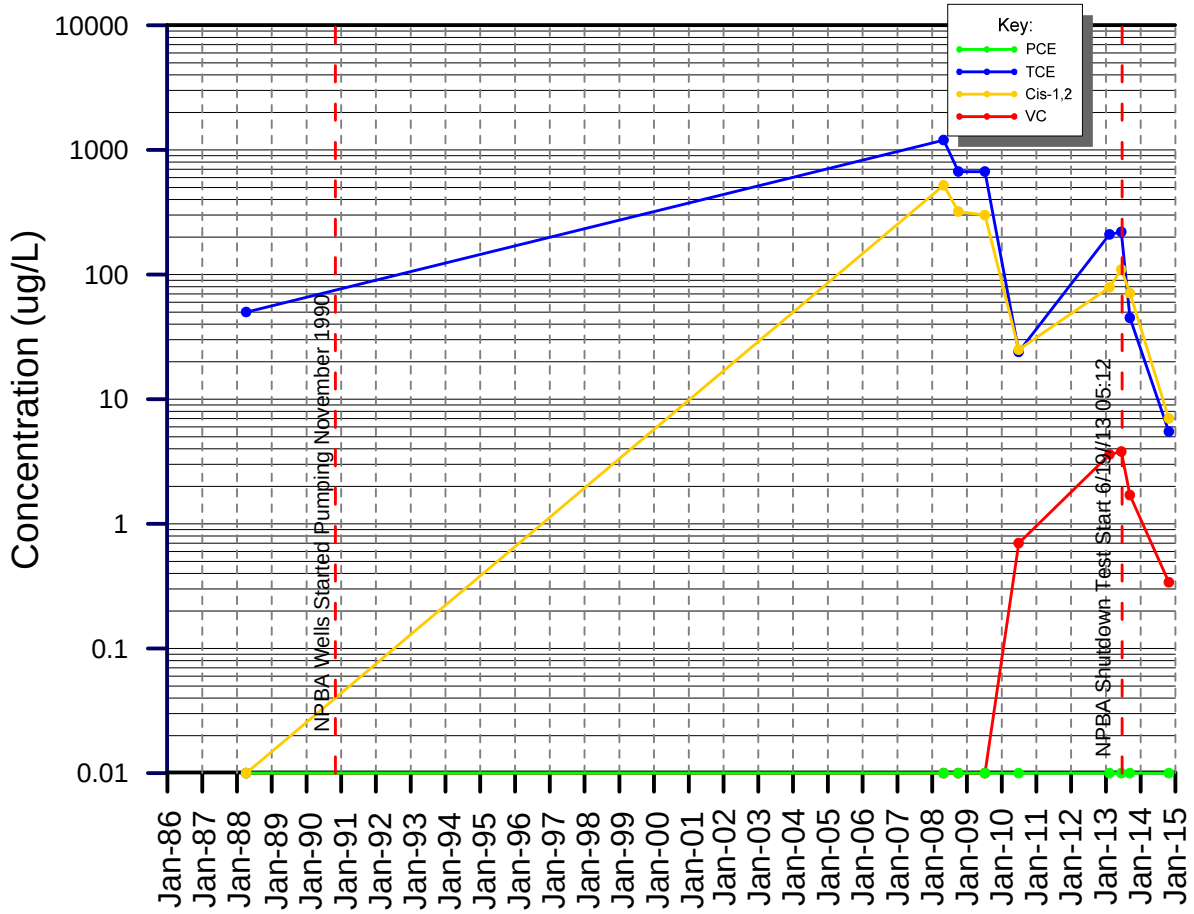
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15


Key:
PCE
TCE
Cis-1,2
VC
Concentration (ug/L)
10000
1000
100
10
1
0.1
0.01
NPBA Wells Started Pumping November 1990
NPBA Shutdown Test Start 6/19/13 05:12
Jan-86
Jan-87
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
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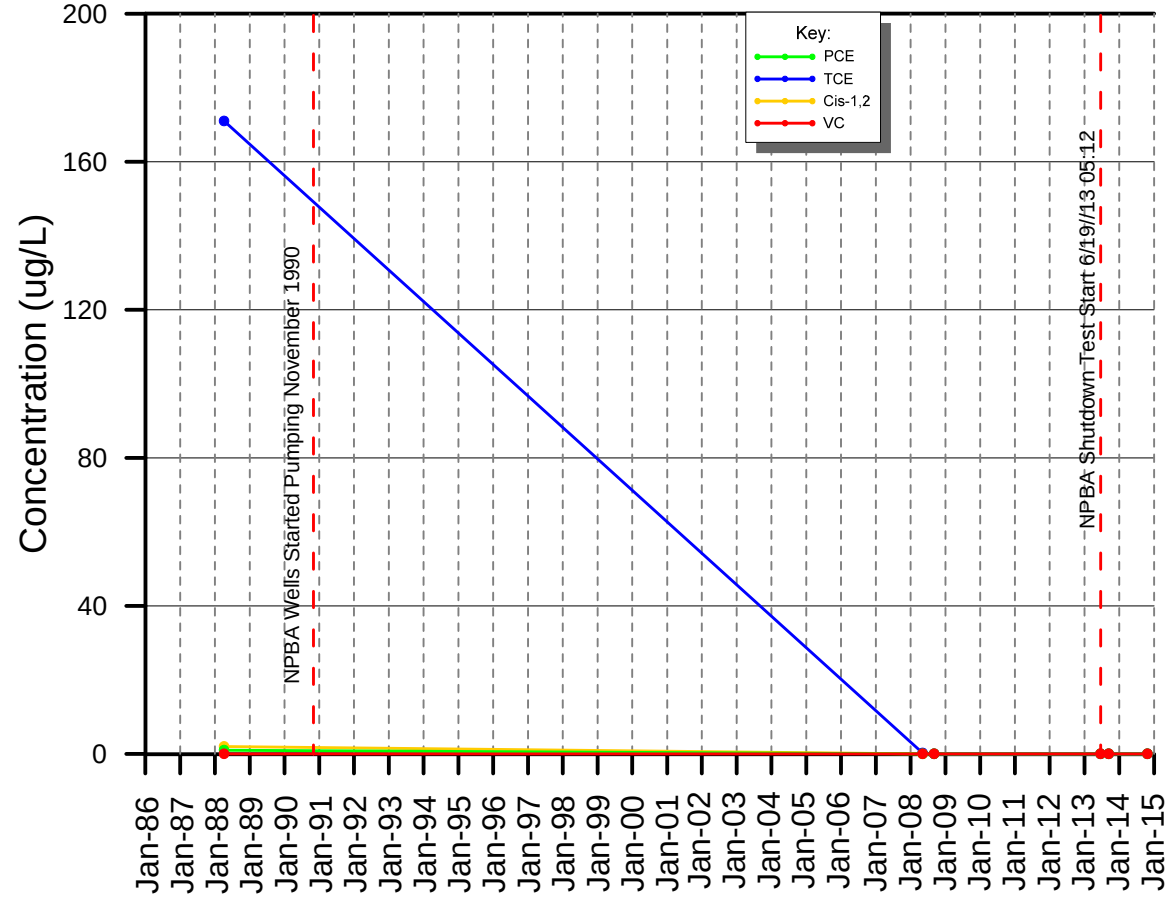
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15

MW-20D


Key:
PCE
TCE
Cis-1,2
VC
Concentration (ug/L)
200
160
120
80
40
0
NPBA Wells Started Pumping November 1990
NPBA Shutdown Test Start 6/19//13 05:12
Jan-86
Jan-87
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
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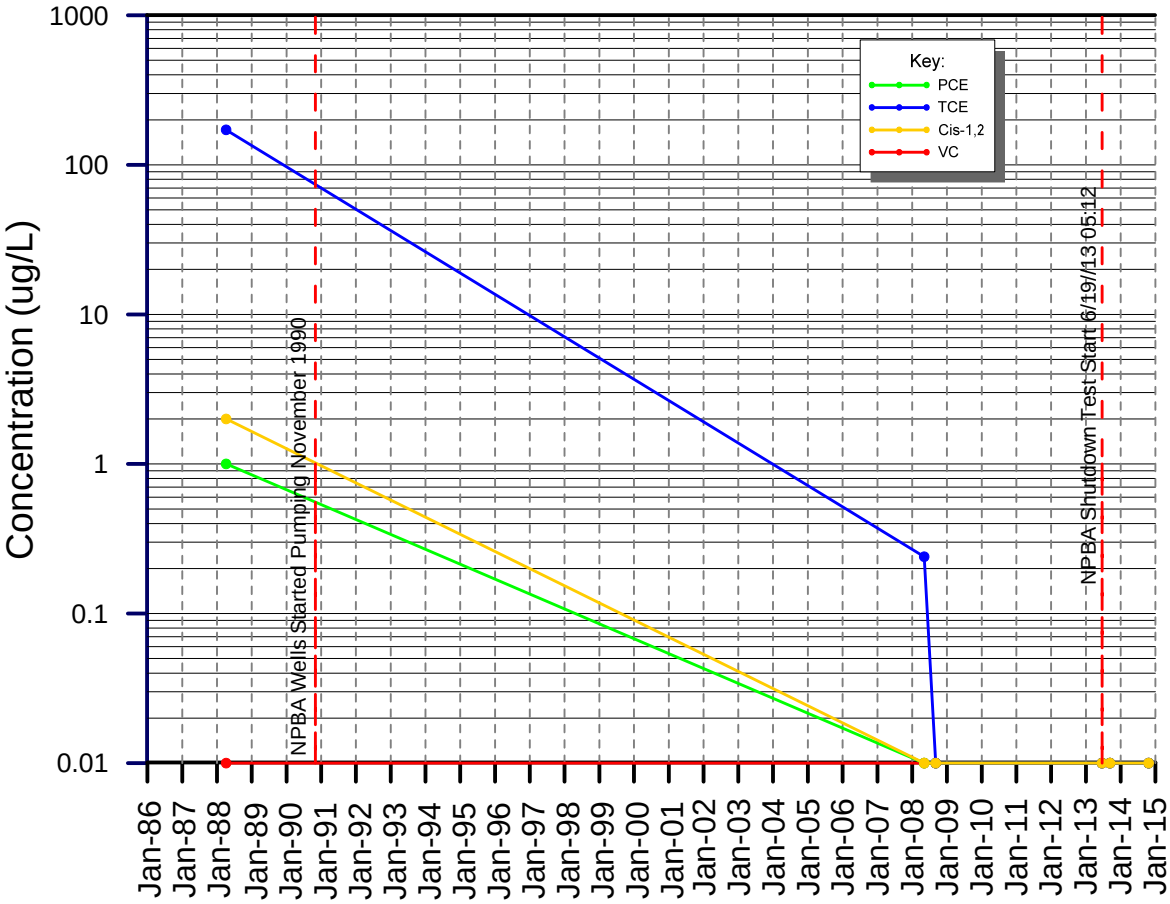
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15


Key:
PCE
TCE
Cis-1,2
VC
Concentration (ug/L)
1000
100
10
1
0.1
0.01
NPBA Wells Started Pumping November 1990
NPBA Shutdown Test Start 6/19//13 05:12
Jan-86
Jan-87
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
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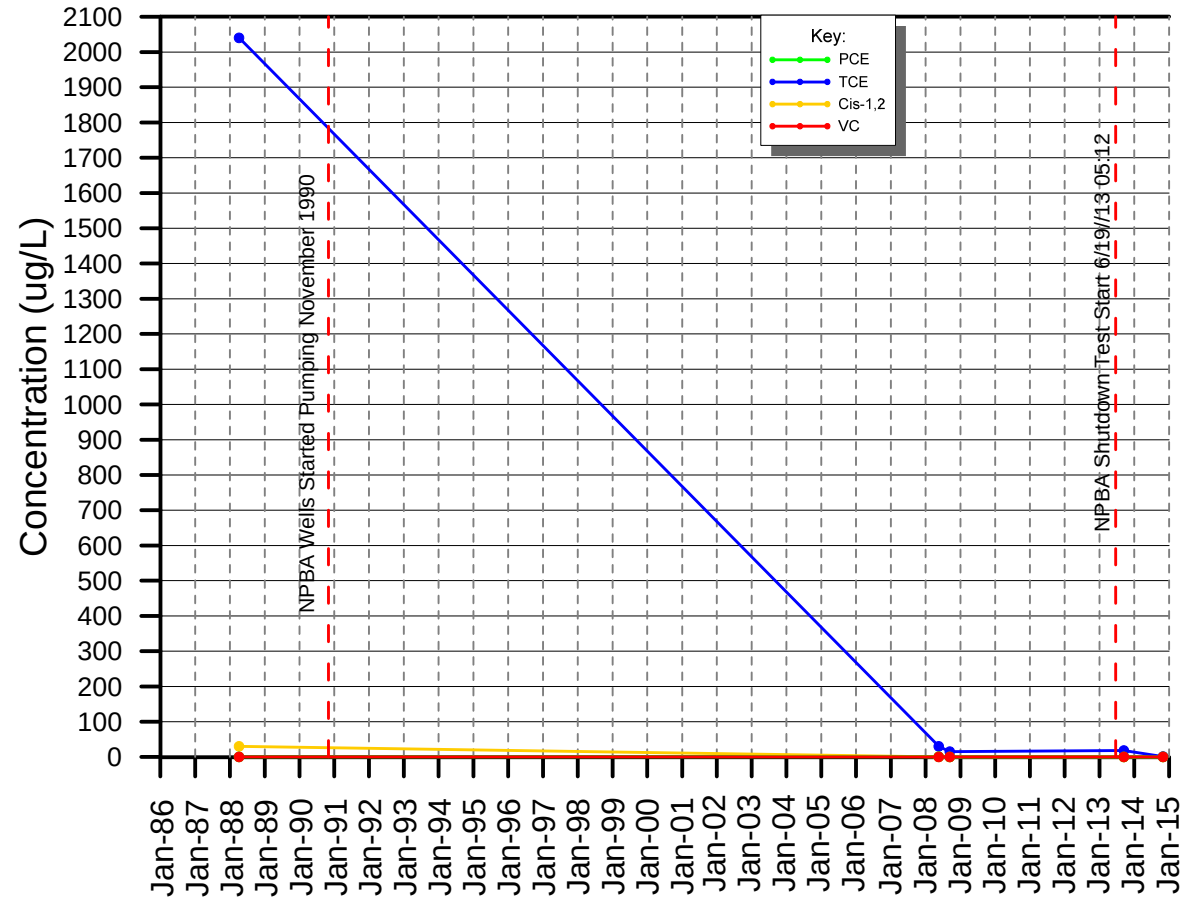
Jan-15

MW-20M


Key:
PCE
TCE
Cis-1,2
VC
Concentration (ug/L)
2100
2000
1900
1800
1700
1600
1500
1400
1300
1200
1100
1000
900
800
700
600
500
400
300
200
100
0
NPBA Wells Started Pumping November 1990
NPBA Shutdown Test Start 6/19//13 05:12
Jan-86
Jan-87
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
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Jan-10
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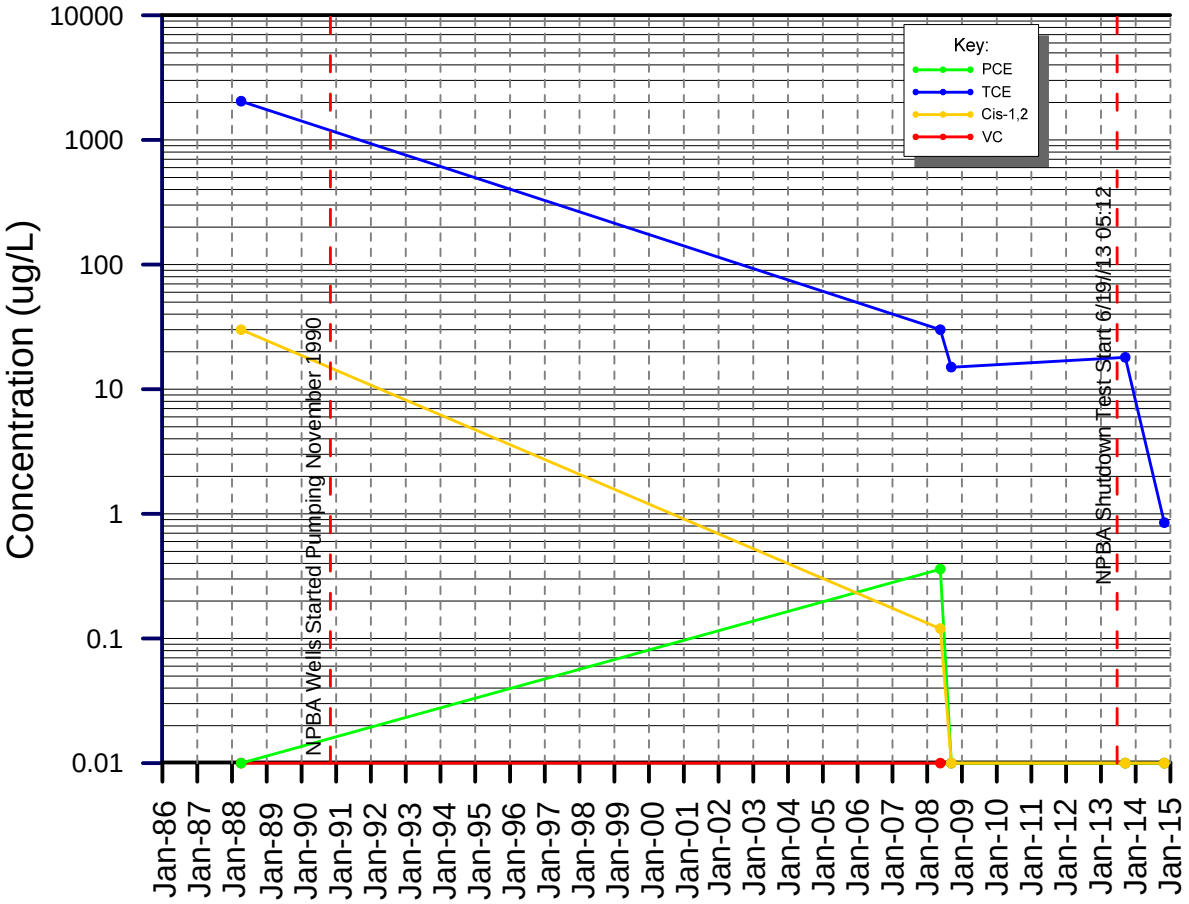
Jan-14
Jan-15


Key:
PCE
TCE
Cis-1,2
VC
Concentration (ug/L)
10000
1000
100
10
1
0.1
0.01
NPBA Wells Started Pumping November 1990
NPBA Shutdown Test Start 6/19//13 05:12
Jan-86
Jan-87
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
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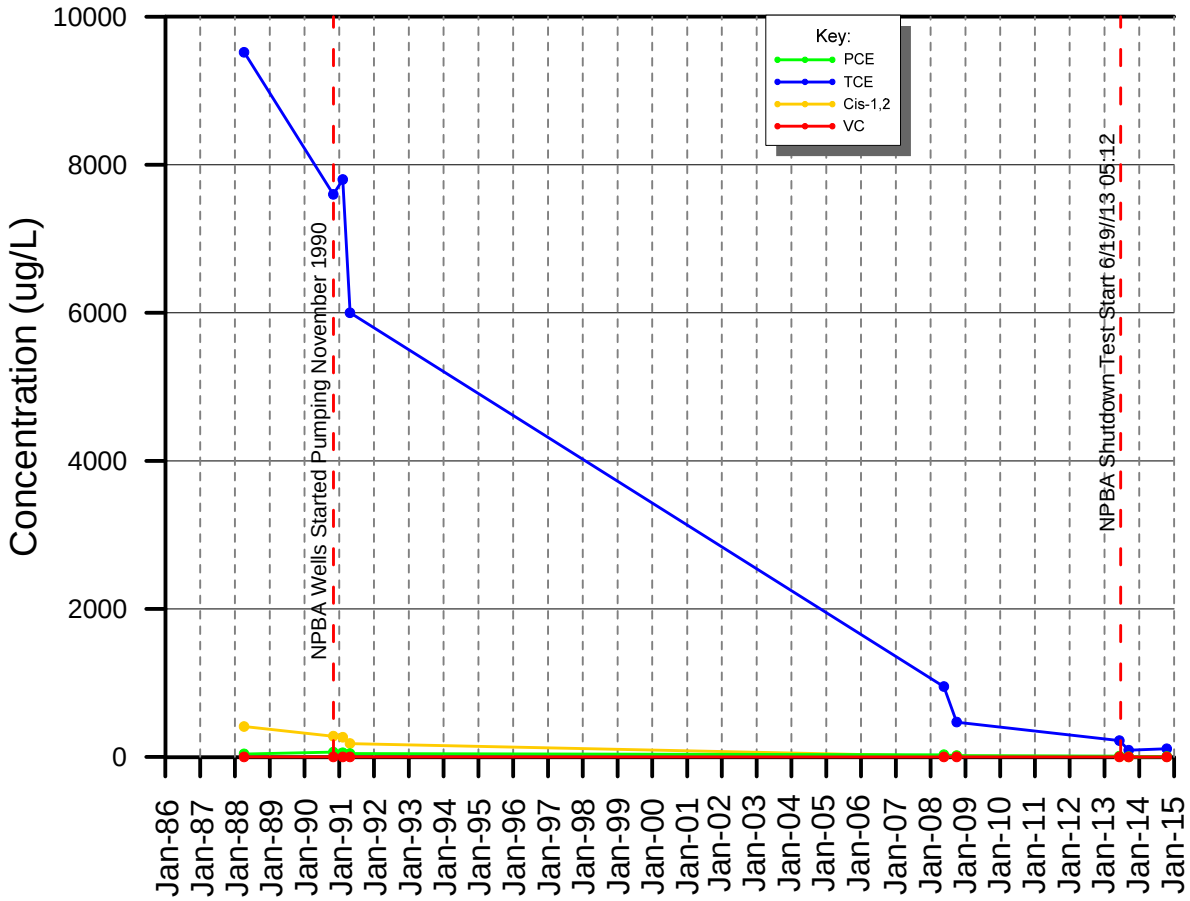
Jan-13
Jan-14
Jan-15

MW-20S


Key:
PCE
TCE
Cis-1,2
VC
Concentration (ug/L)
10000
8000
6000
4000
2000
0
NPBA Wells Started Pumping November 1990
NPBA Shutdown Test Start 6/19//13 05:12
Jan-86
Jan-87
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
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Jan-03
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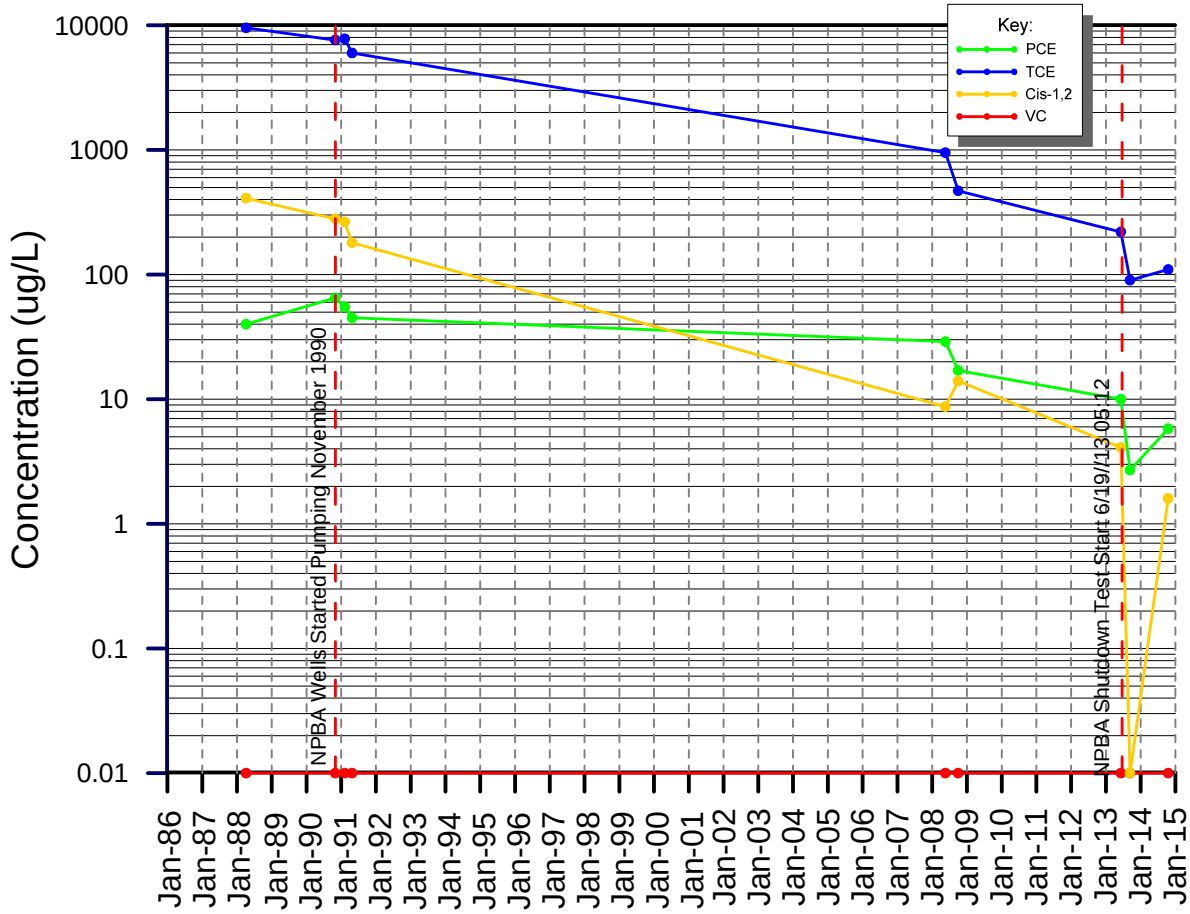
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15


Key:
PCE
TCE
Cis-1,2
VC
Concentration (ug/L)
10000
1000
100
10
1
0.1
0.01
NPBA Wells Started Pumping November 1990
NPBA Shutdown Test Start 6/19//13 05:12
Jan-86
Jan-87
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
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Jan-08
Jan-09
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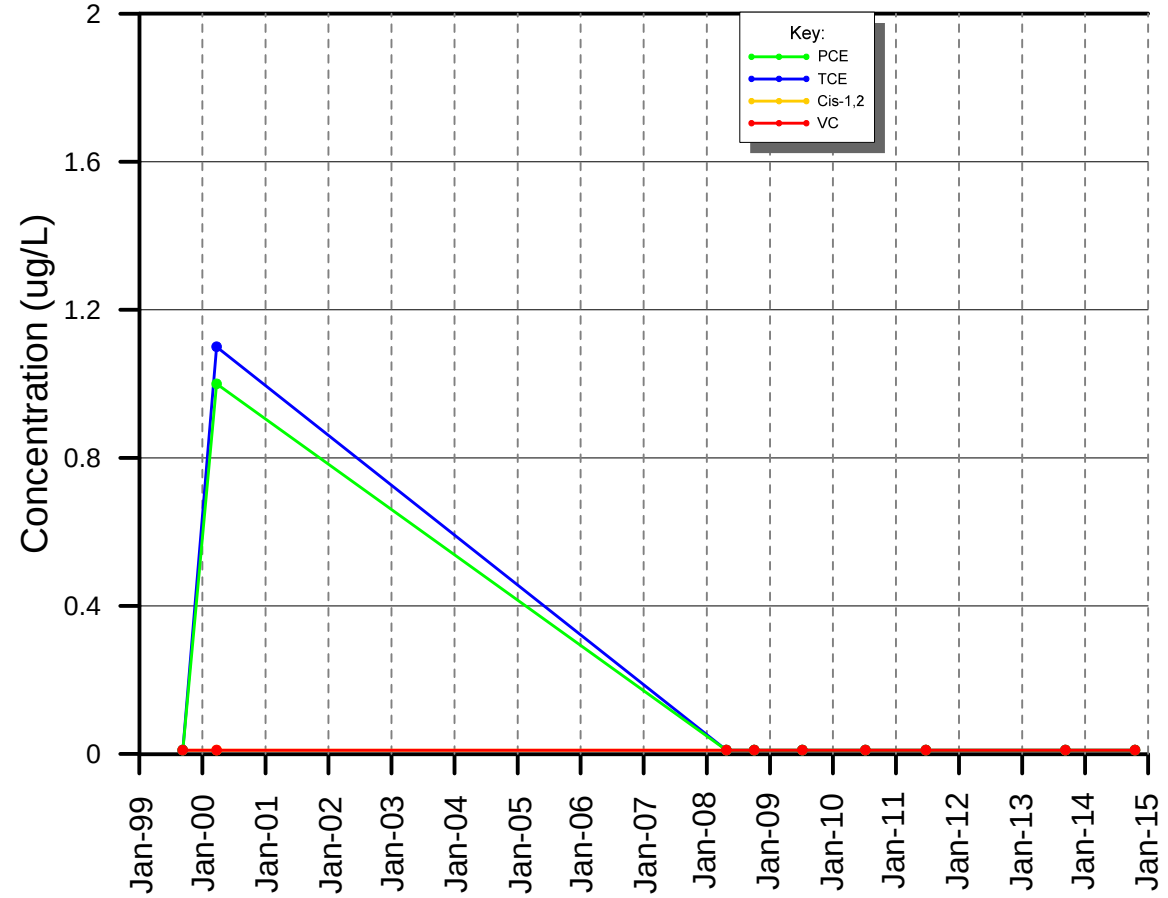
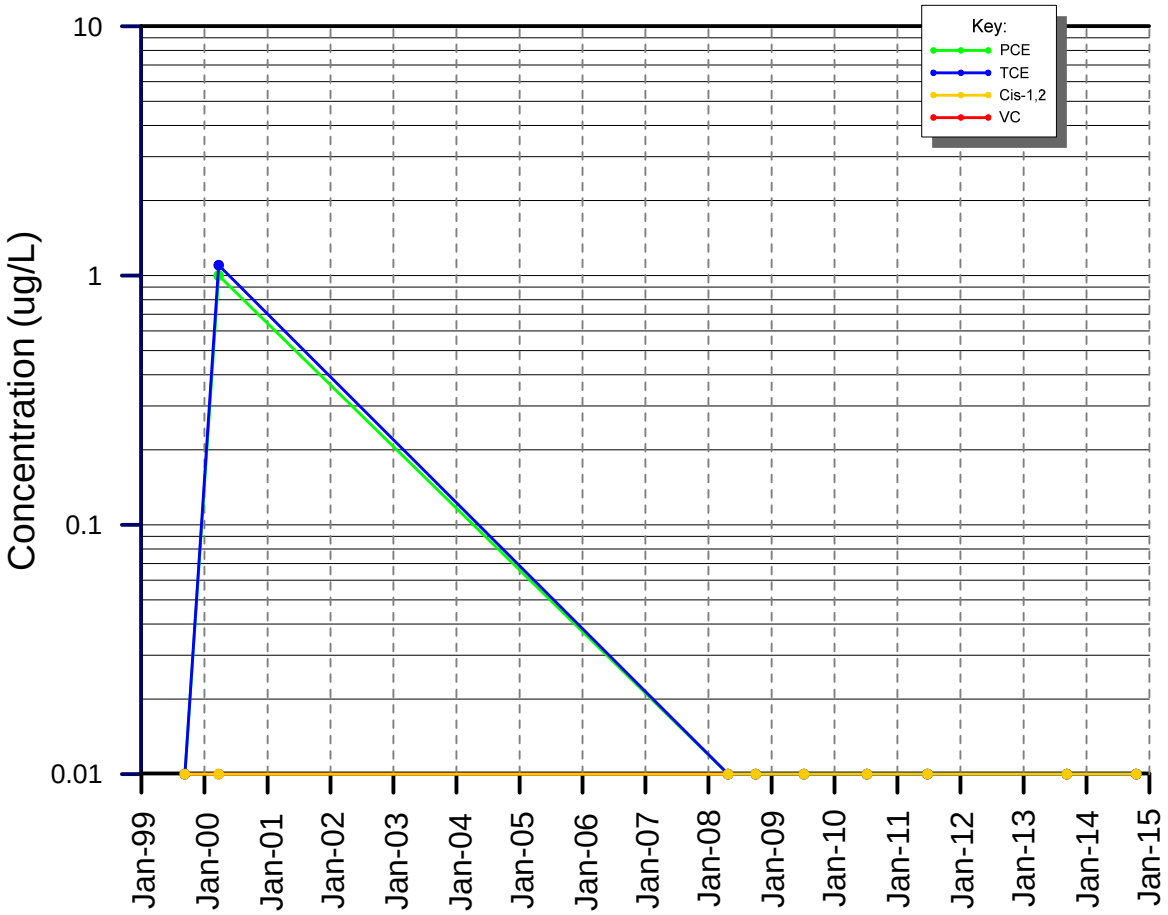
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15

MW-77


Key:
PCE
TCE
Cis-1,2
VC
Concentration (ug/L)
2
1.6
1.2
0.8
0.4
0
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15


Key:
PCE
TCE
Cis-1,2
VC
Concentration (ug/L)
10
1
0.1
0.01
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
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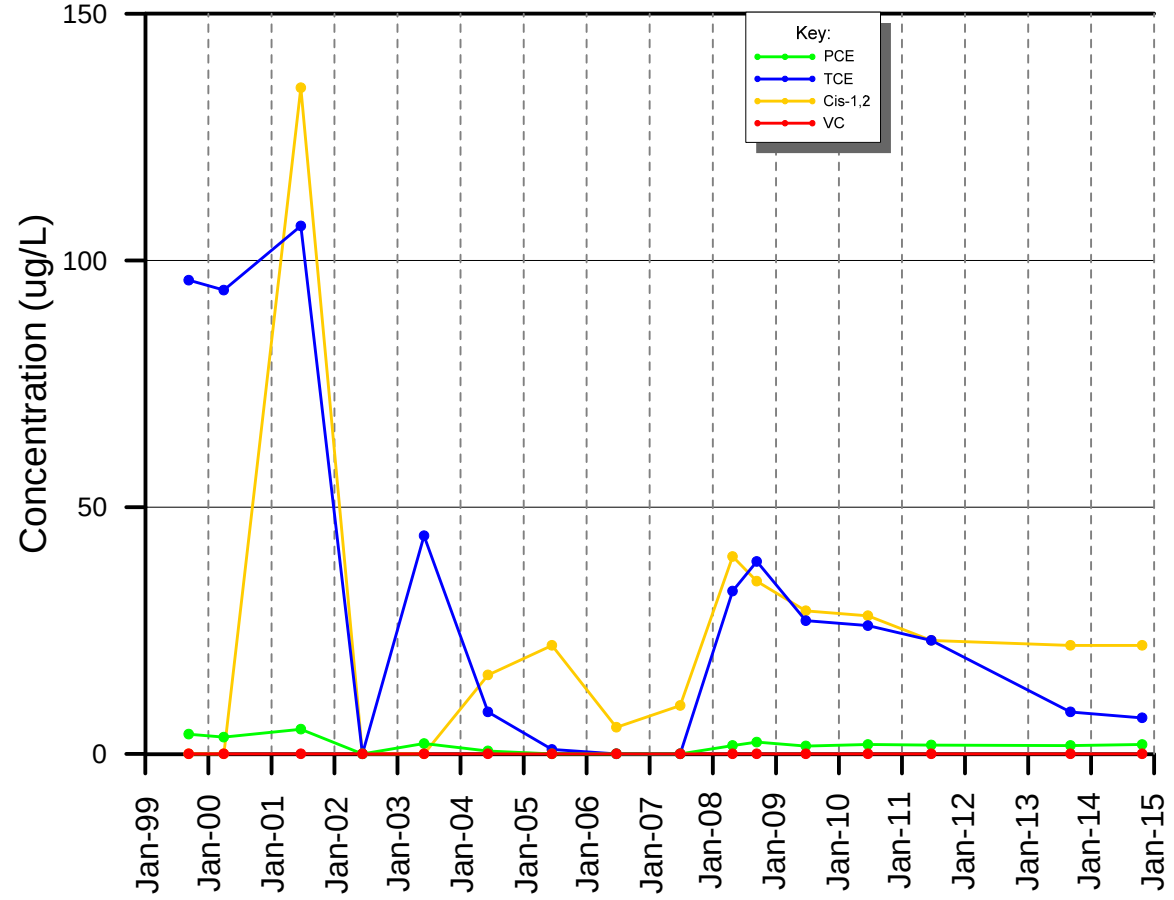
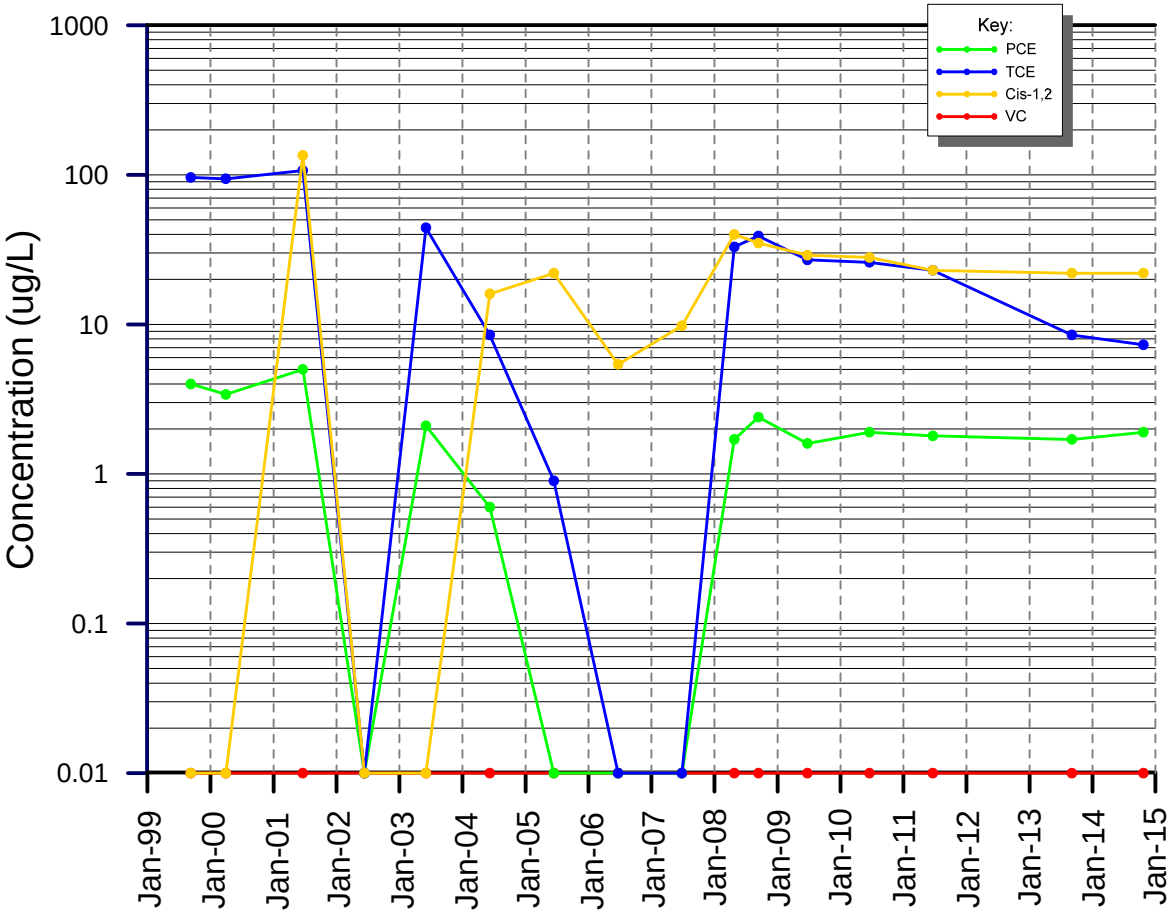
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15

MW-82


Key:
PCE
TCE
Cis-1,2
VC
Concentration (ug/L)
150
100
50
0
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15


Key:
PCE
TCE
Cis-1,2
VC
Concentration (ug/L)
1000
100
10
1
0.1
0.01
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
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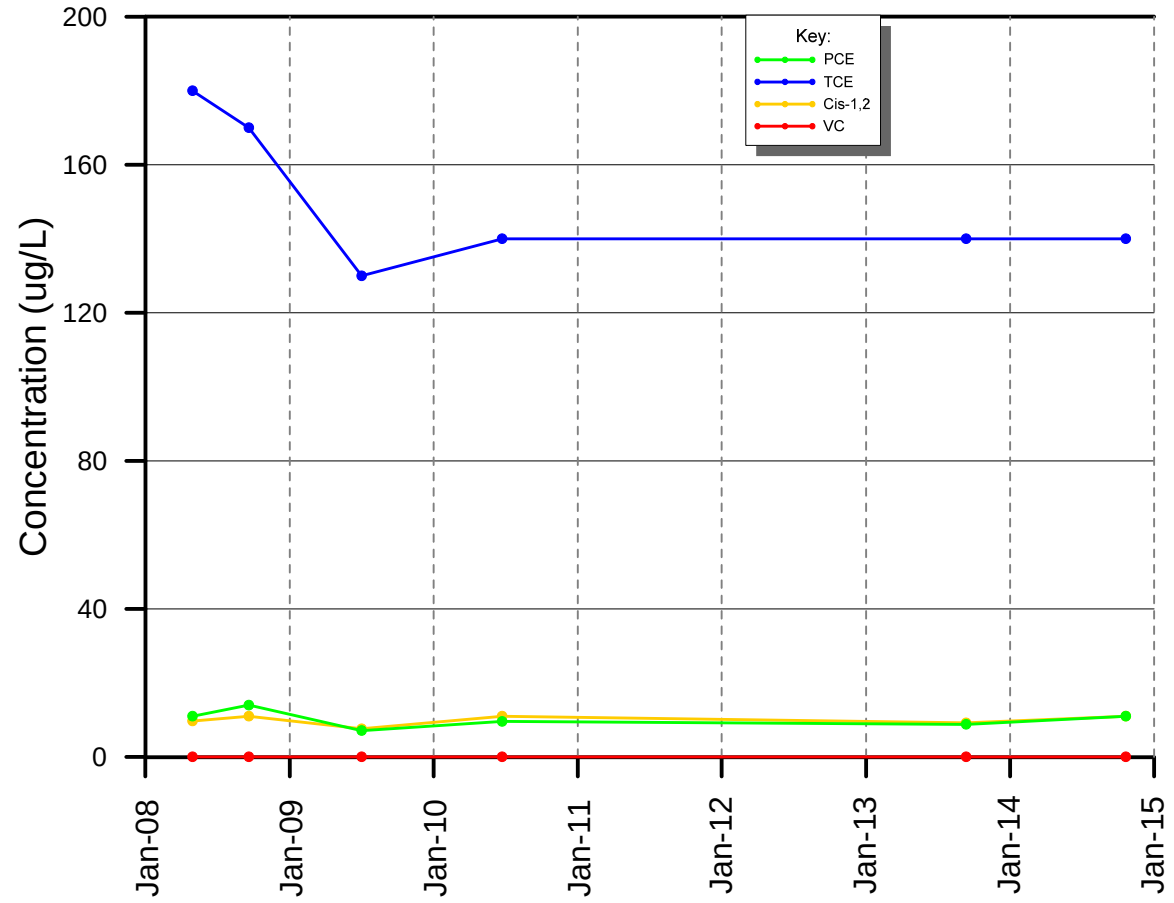
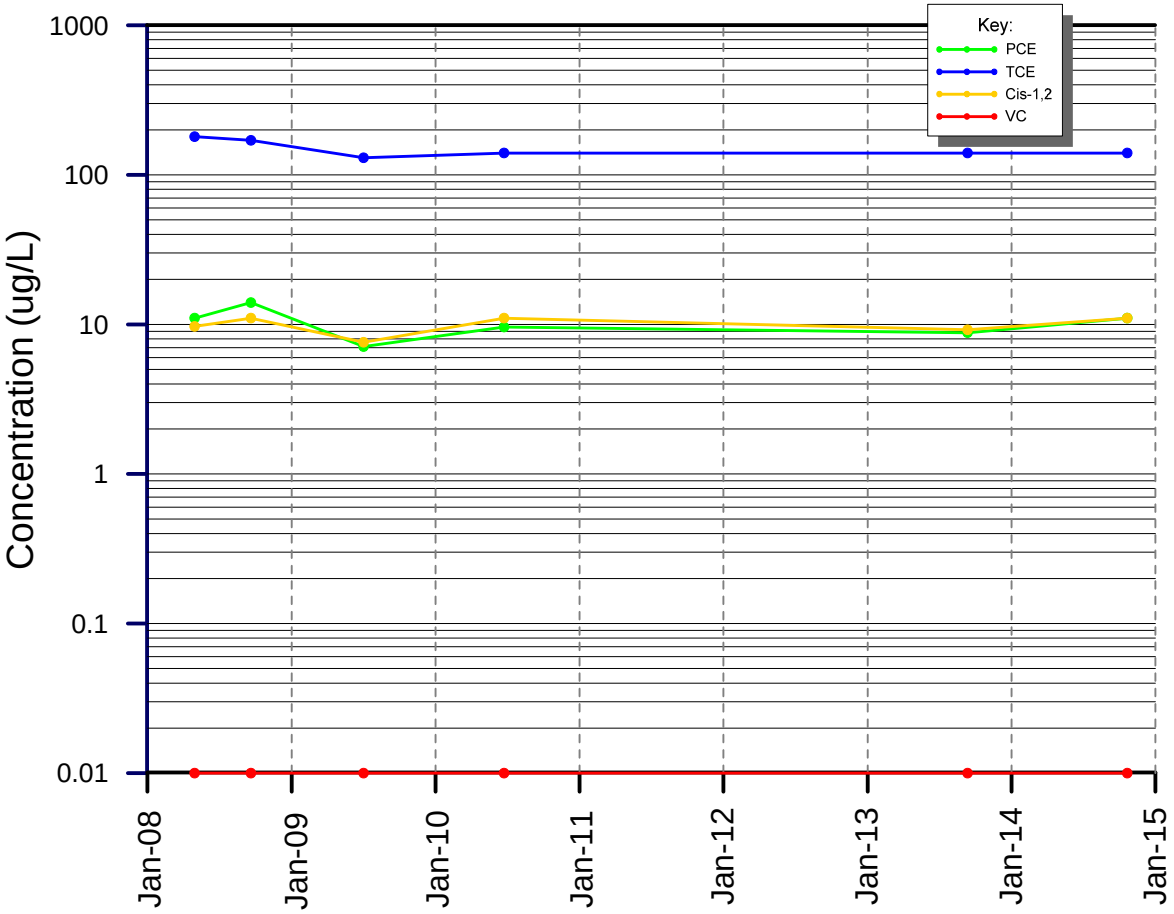
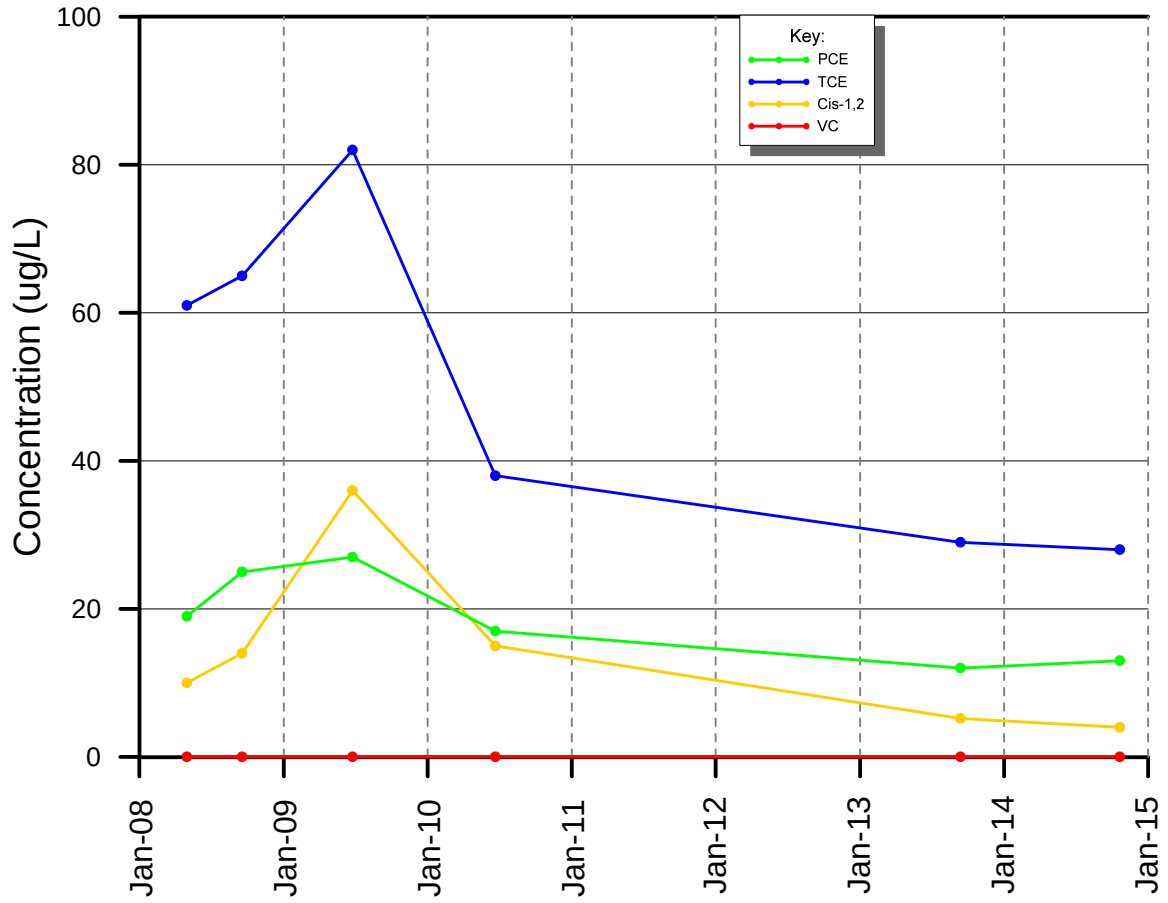
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15

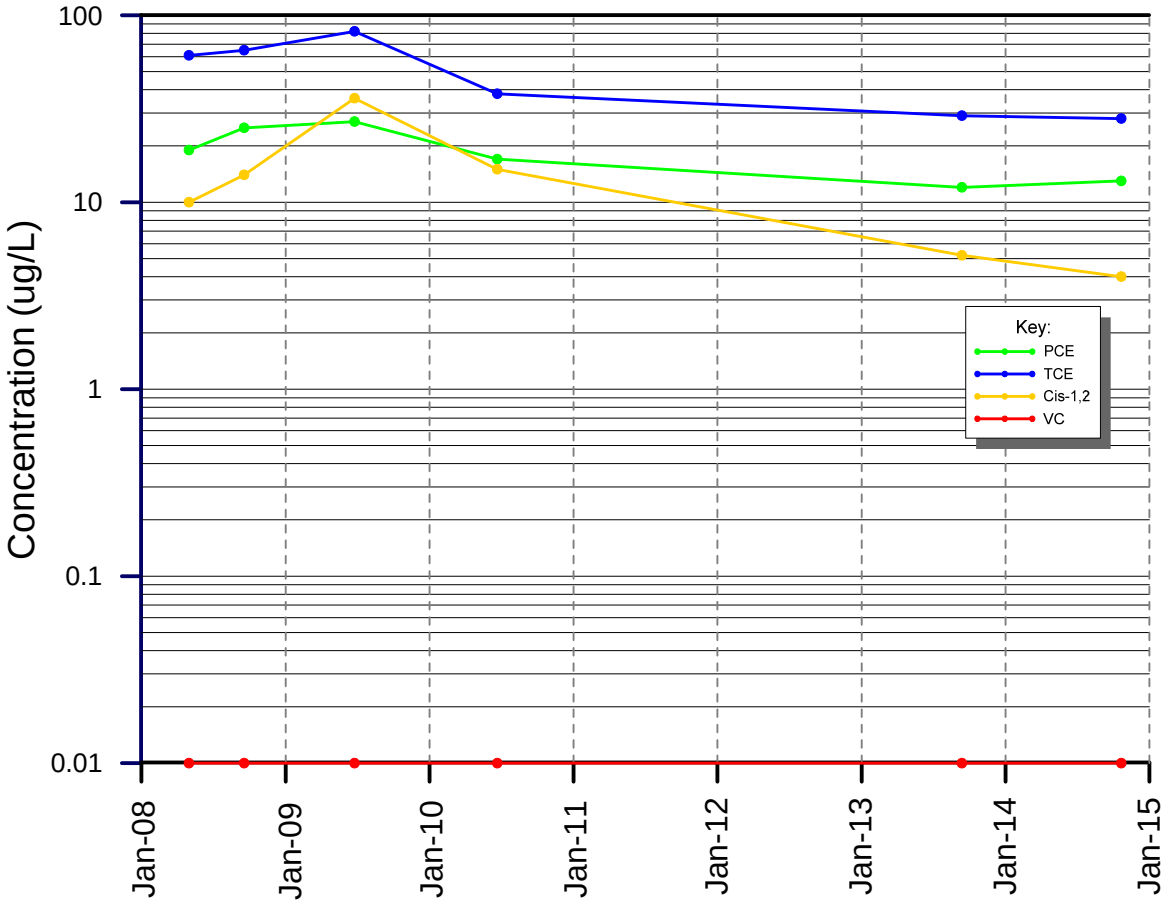
MW-102D


Key:
PCE
TCE
Cis-1,2
VC
Concentration (ug/L)
200
160
120
80
40
0
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15

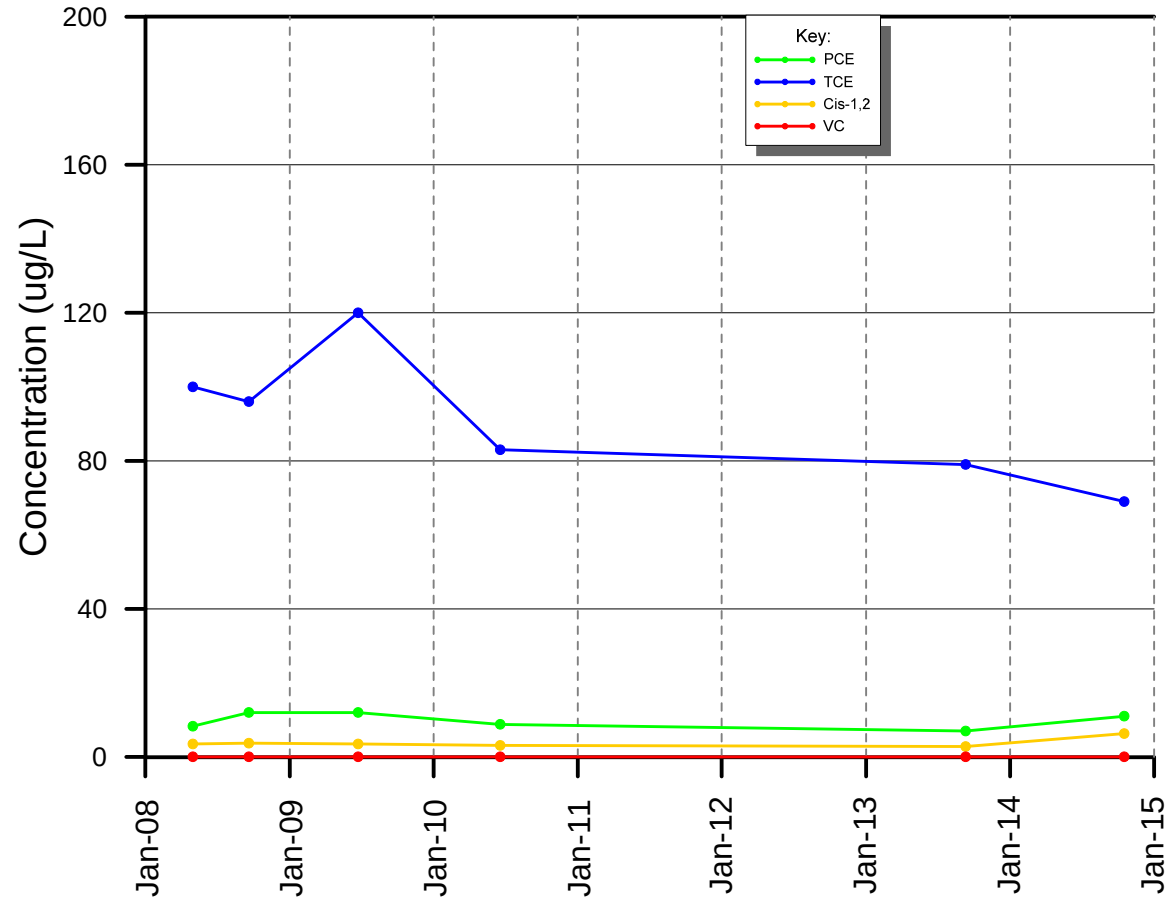

Key:
PCE
TCE
Cis-1,2
VC
Concentration (ug/L)
1000
100
10
1
0.1
0.01
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15

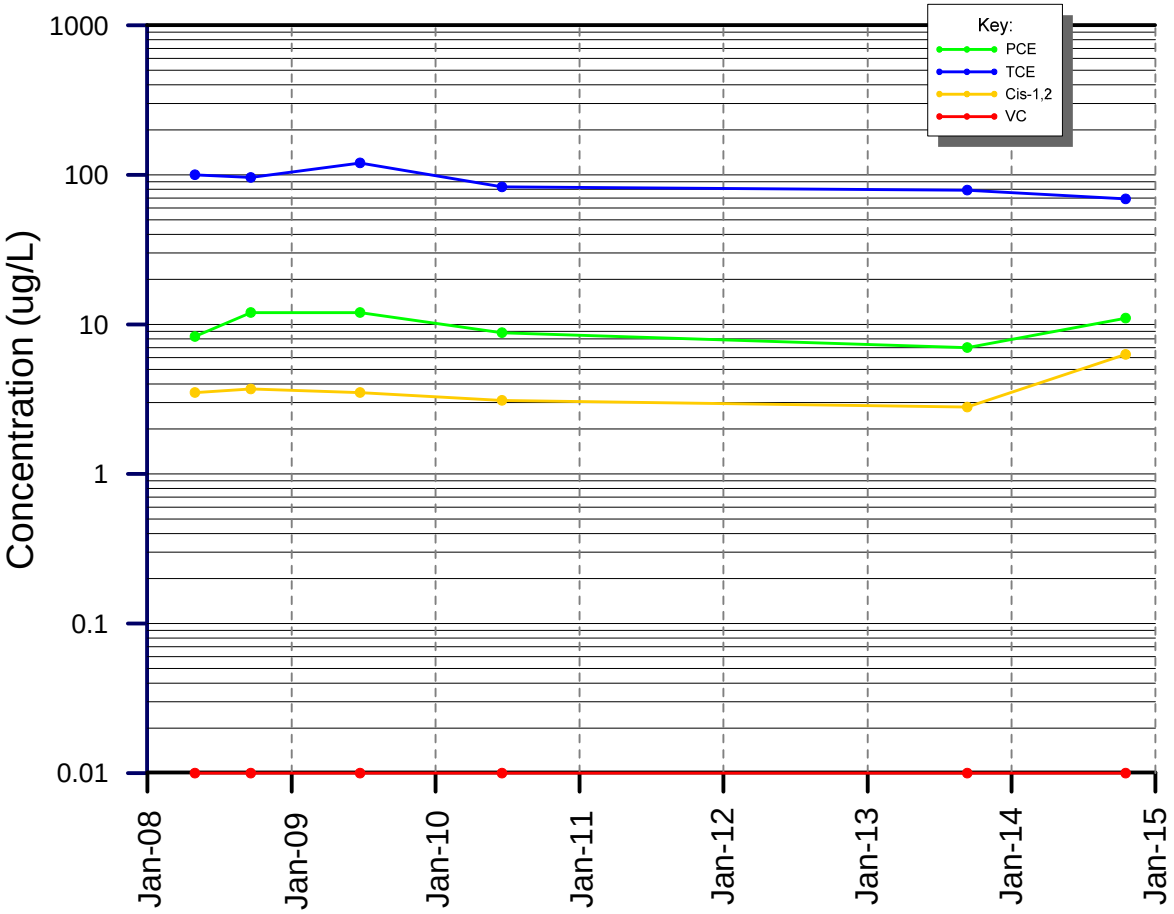
MW-102S


Key:
PCE
TCE
Cis-1,2
VC
Concentration (ug/L)
100
80
60
40
20
0
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15

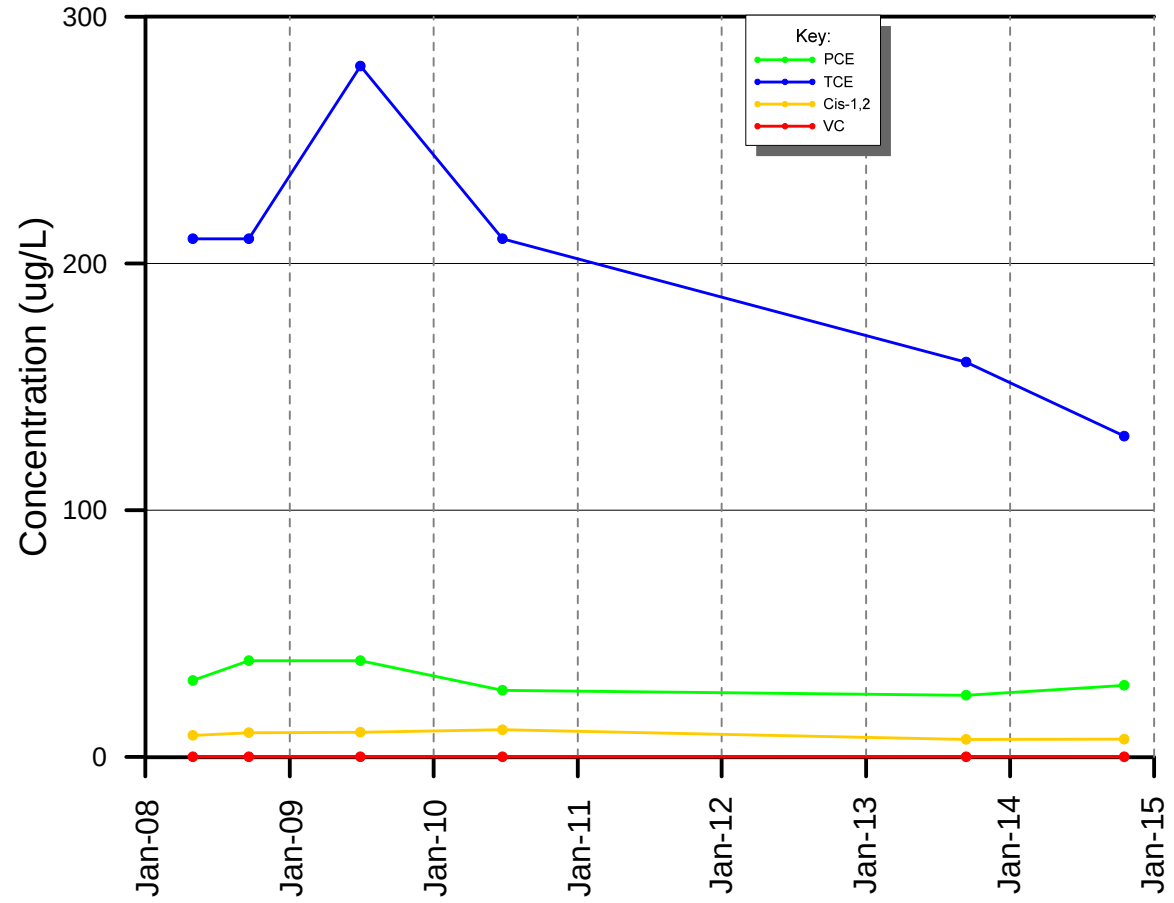

Key:
PCE
TCE
Cis-1,2
VC
Concentration (ug/L)
100
10
1
0.1
0.01
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15

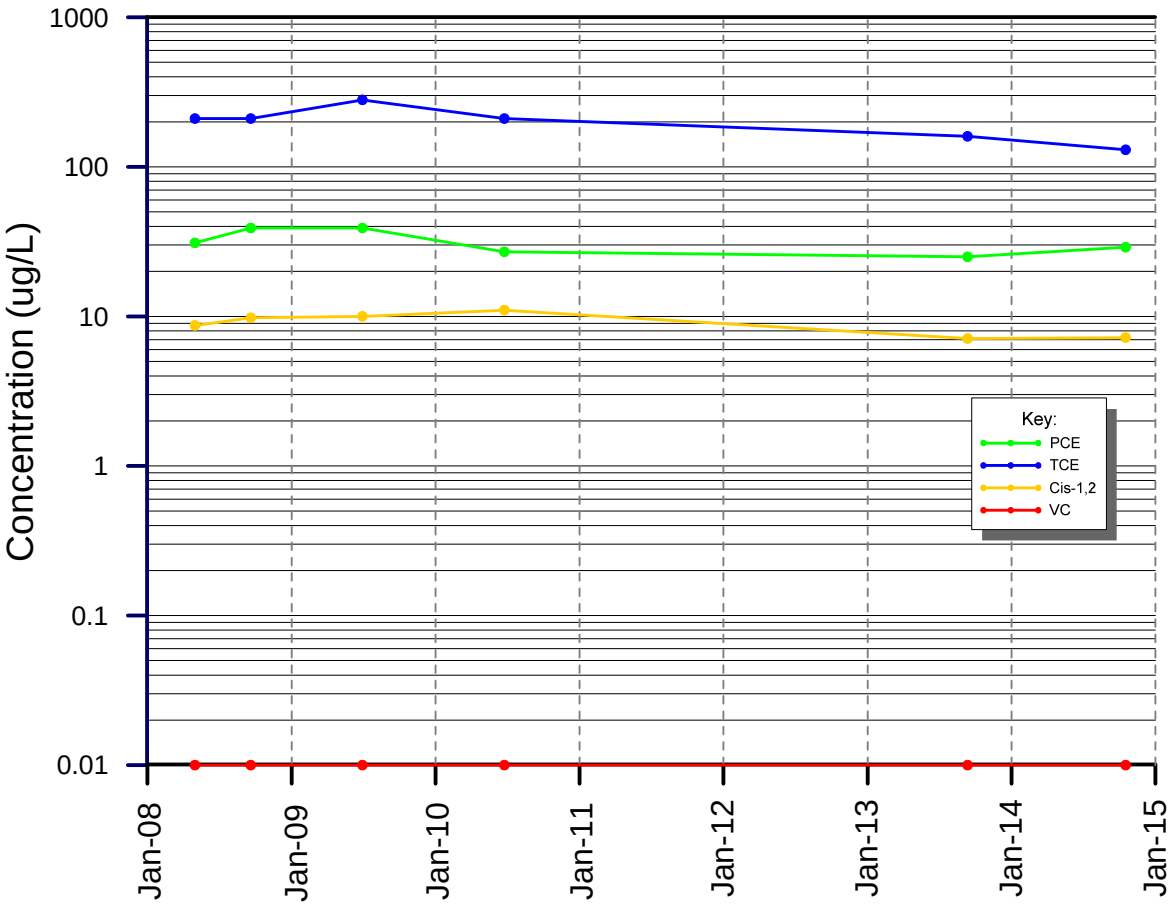
MW-103D


Key:
PCE
TCE
Cis-1,2
VC
Concentration (ug/L)
200
160
120
80
40
0
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15

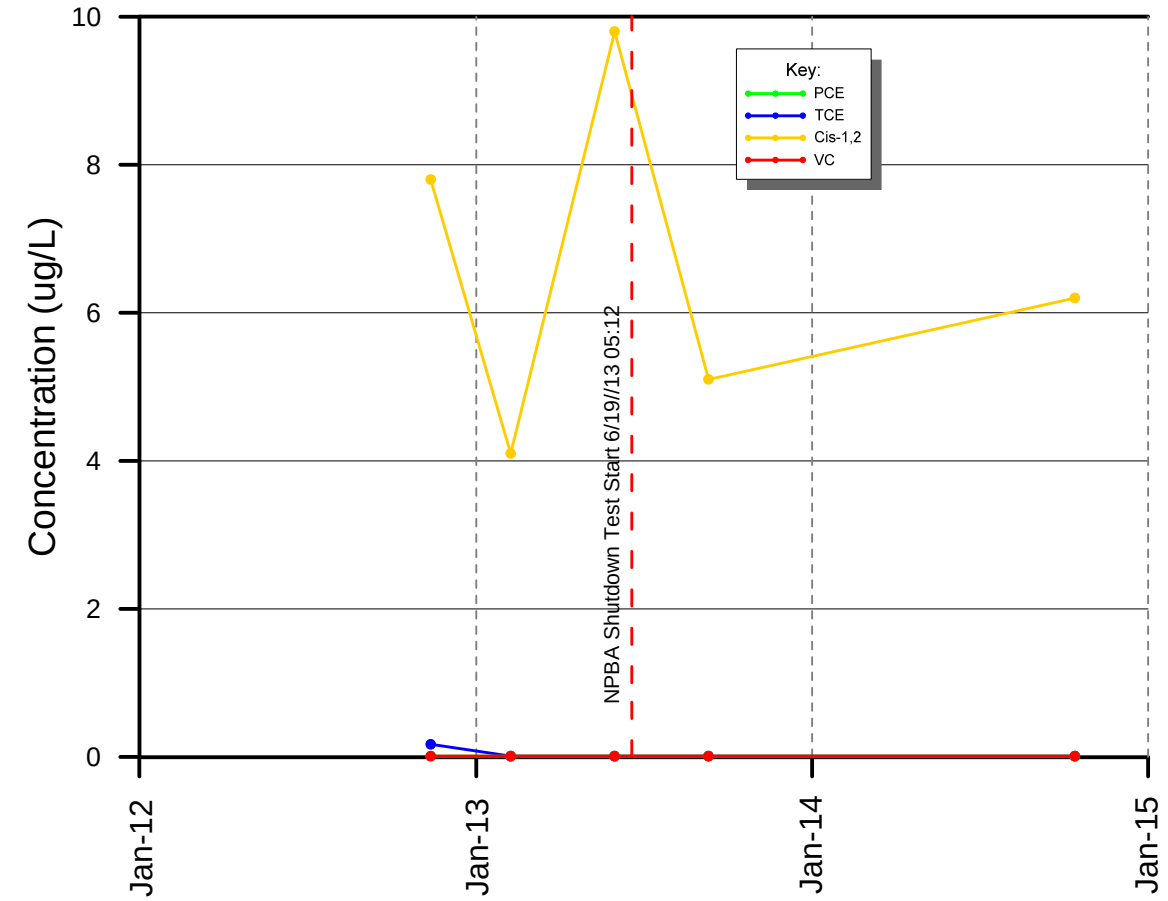

Key:
PCE
TCE
Cis-1,2
VC
Concentration (ug/L)
1000
100
10
1
0.1
0.01
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15

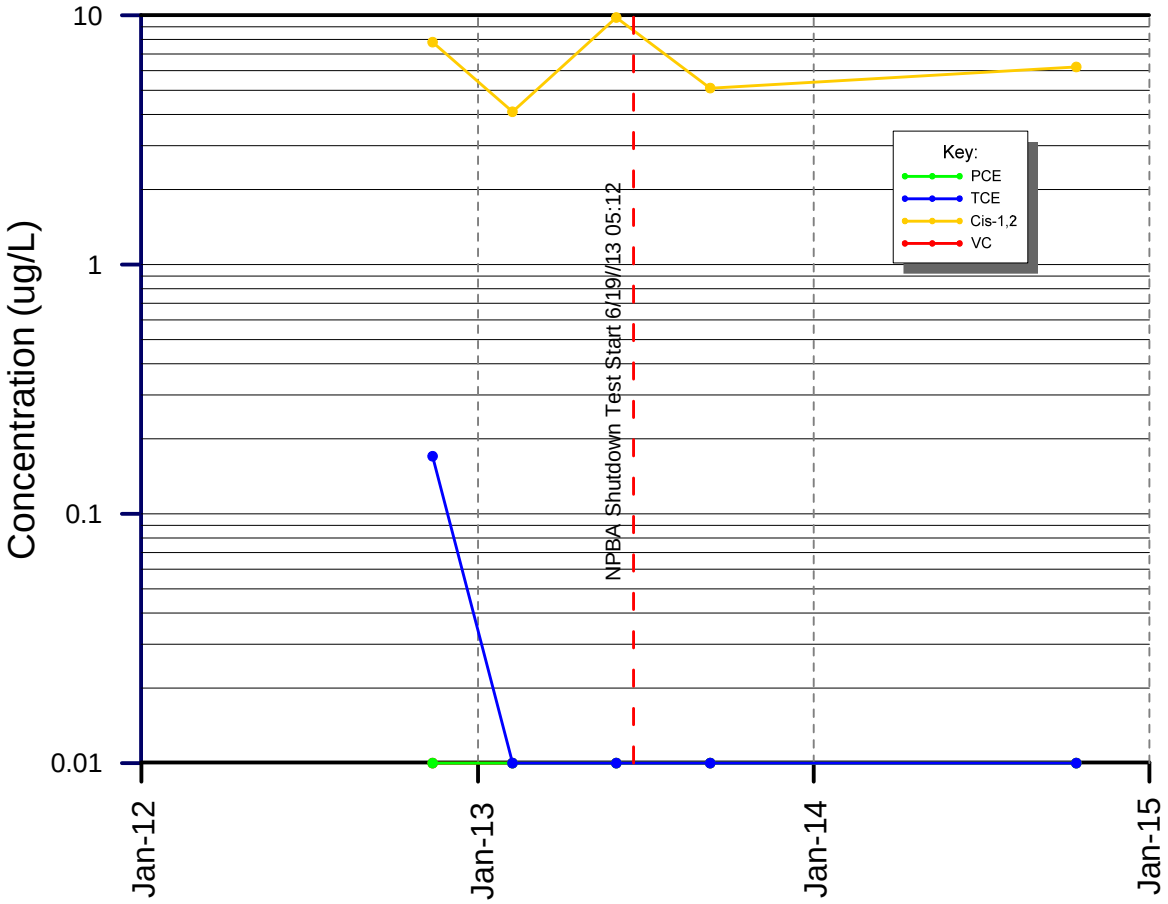
MW-103S


Key:
PCE
TCE
Cis-1,2
VC
Concentration (ug/L)
300
200
100
0
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15

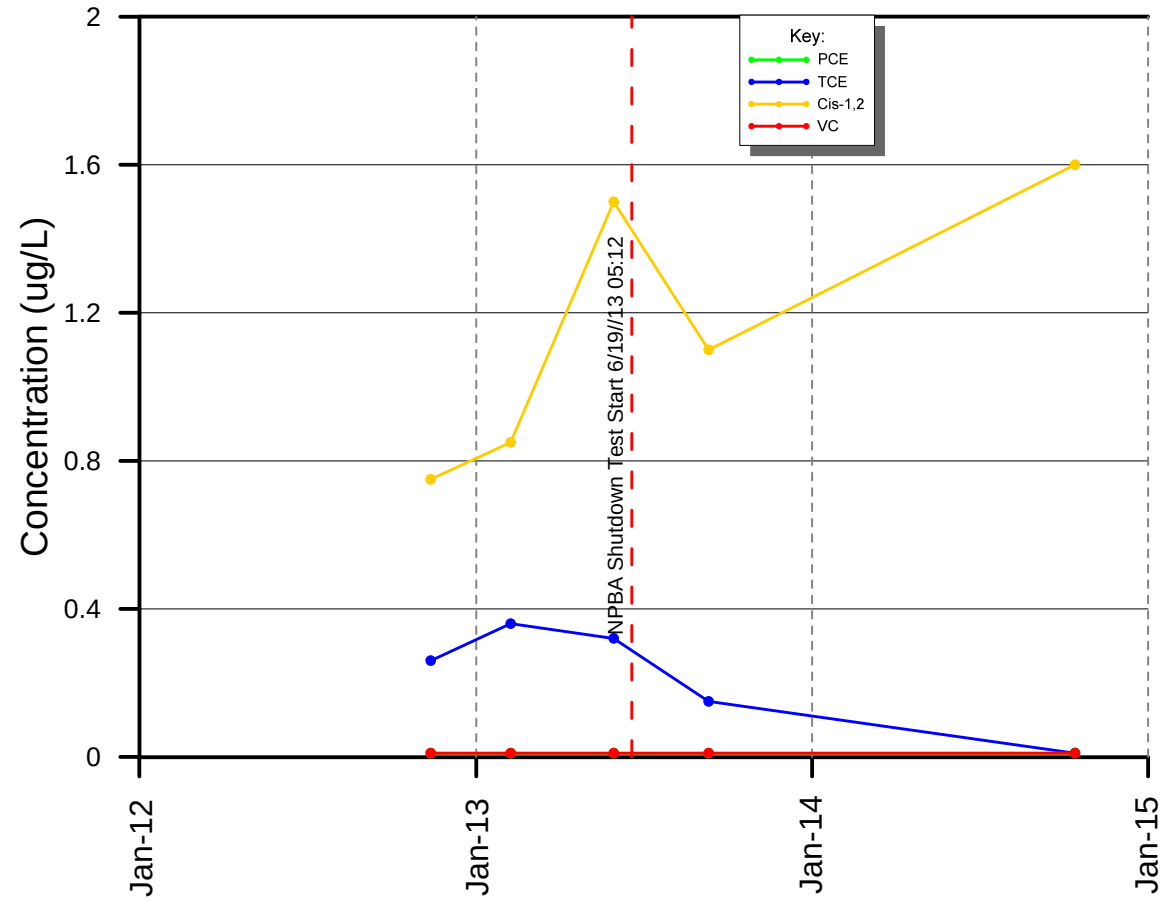

Key:
PCE
TCE
Cis-1,2
VC
Concentration (ug/L)
1000
100
10
1
0.1
0.01
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15

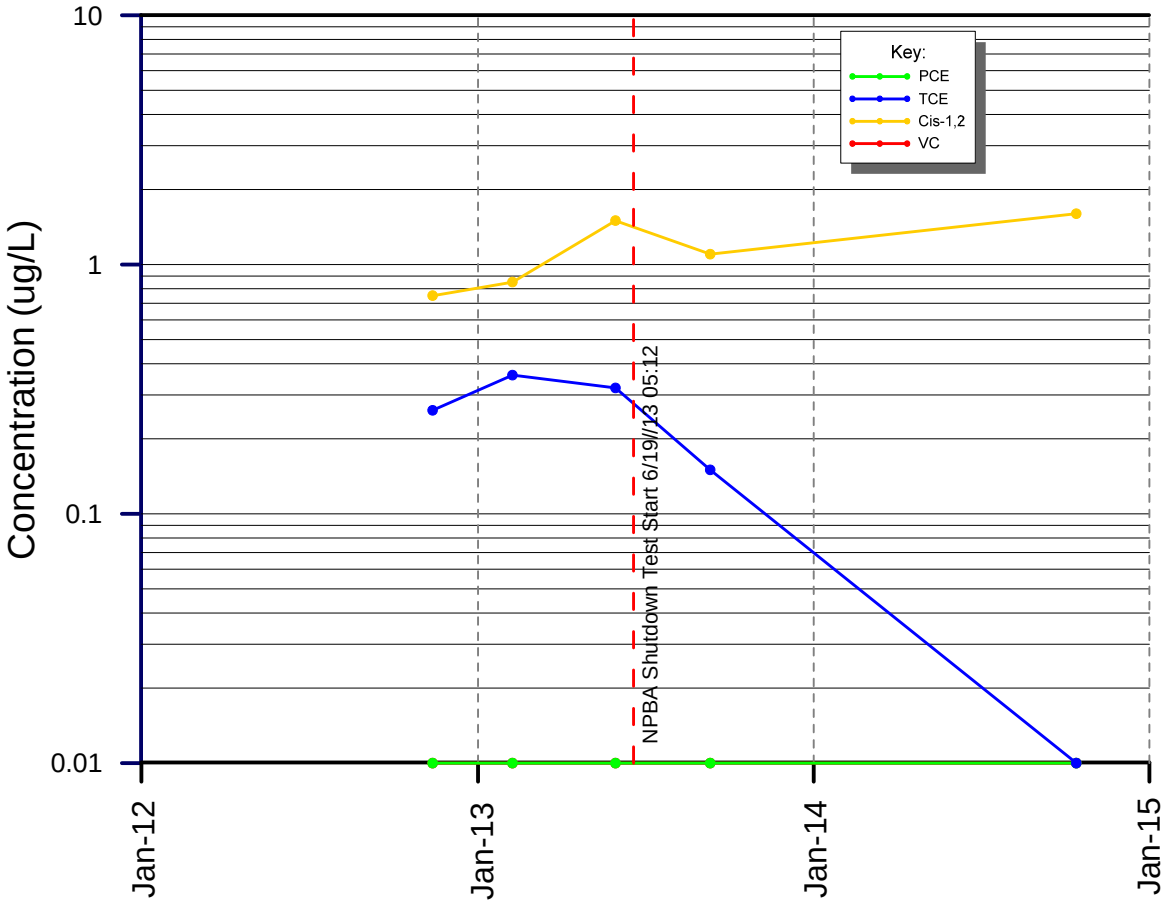
MW-142D


Concentration (ug/L)
10
8
6
4
2
0
Jan-12
Jan-13
Jan-14
Jan-15
NPBA Shutdown Test Start 6/19//13 05:12
Key:
PCE
TCE
Cis-1,2
VC

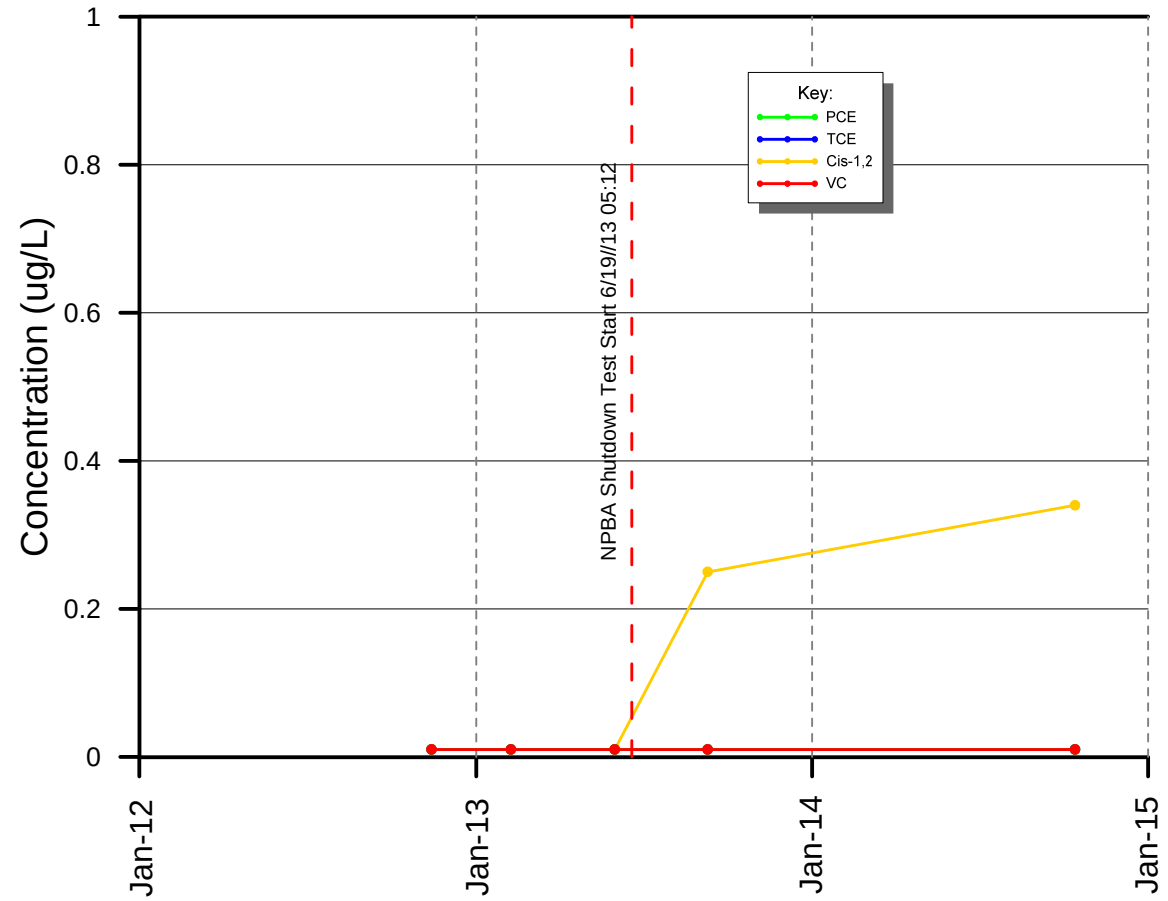

Concentration (ug/L)
10
1
0.1
0.01
Jan-12
Jan-13
Jan-14
Jan-15
NPBA Shutdown Test Start 6/19//13 05:12
Key:
PCE
TCE
Cis-1,2
VC

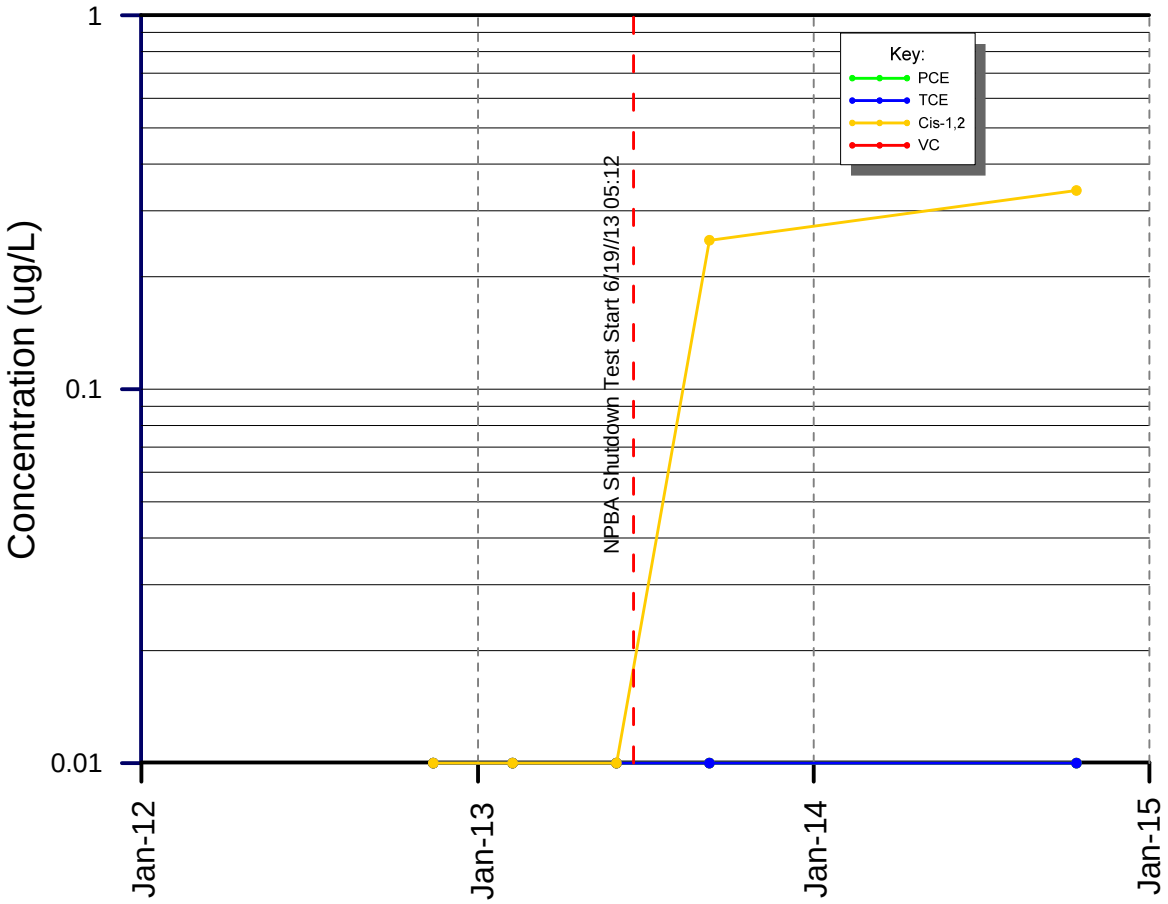
MW-142S


Key:
PCE
TCE
Cis-1,2
VC
Concentration (ug/L)
2
1.6
1.2
0.8
0.4
0
NPBA Shutdown Test Start 6/19//13 05:12
Jan-12
Jan-13
Jan-14
Jan-15

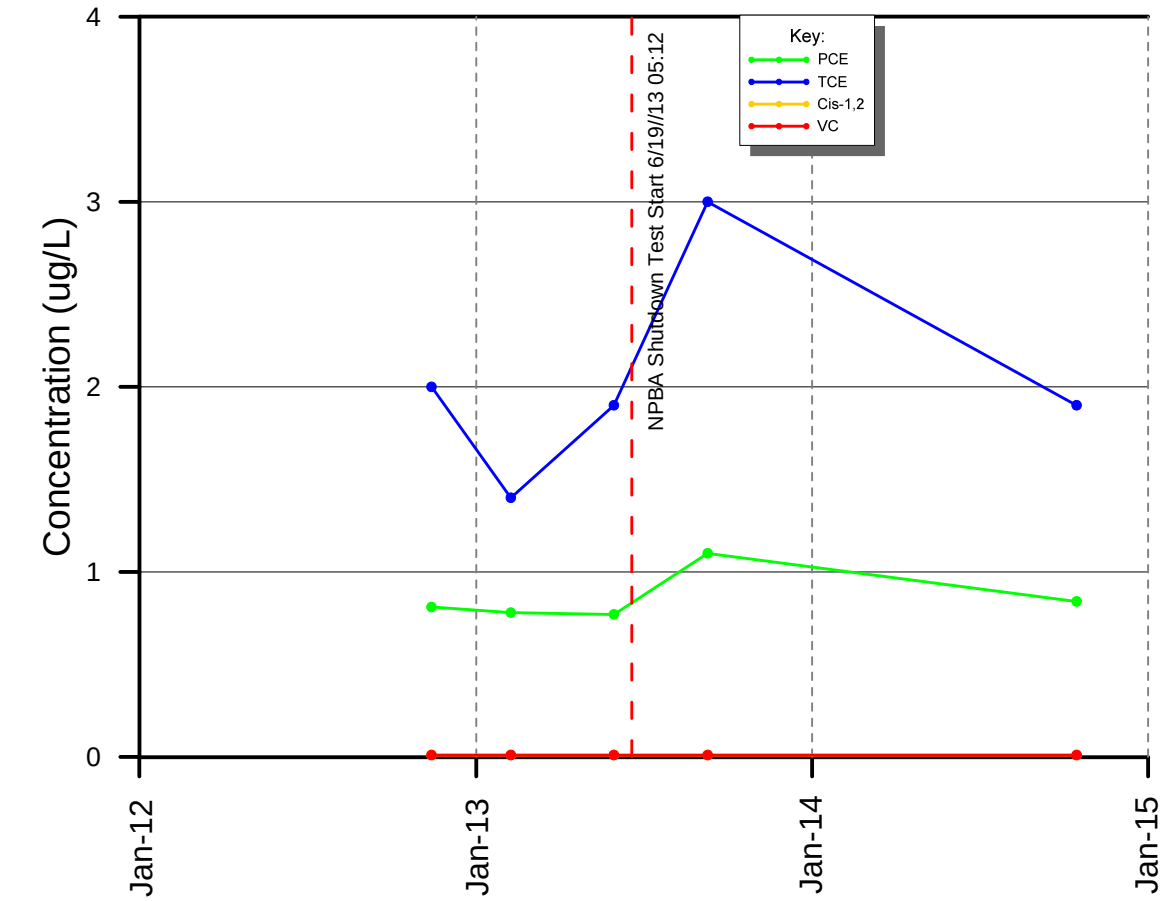

Key:
PCE
TCE
Cis-1,2
VC
Concentration (ug/L)
10
1
0.1
0.01
NPBA Shutdown Test Start 6/19//13 05:12
Jan-12
Jan-13
Jan-14
Jan-15

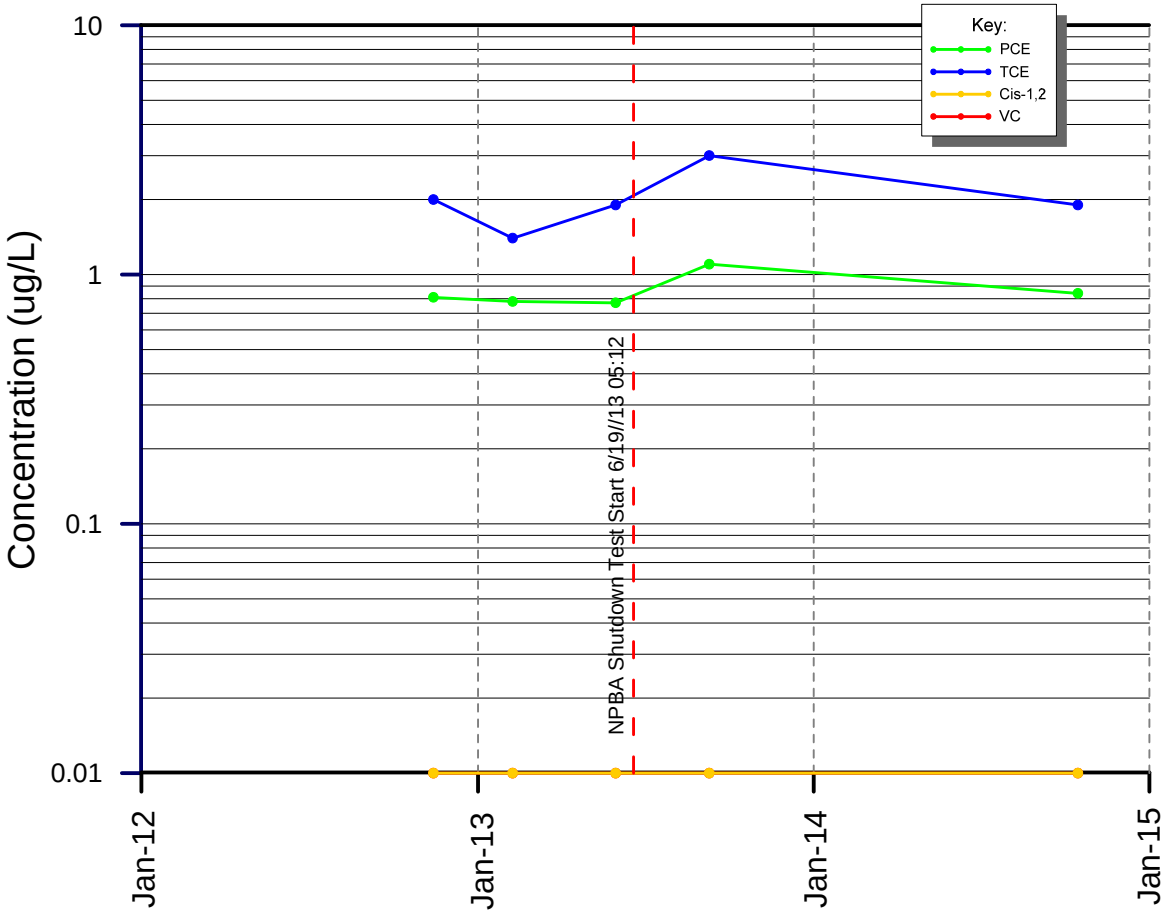
MW-143D


Concentration (ug/L)
1
0.8
0.6
0.4
0.2
0
Jan-12
Jan-13
Jan-14
Jan-15
NPBA Shutdown Test Start 6/19//13 05:12
Key:
PCE
TCE
Cis-1,2
VC

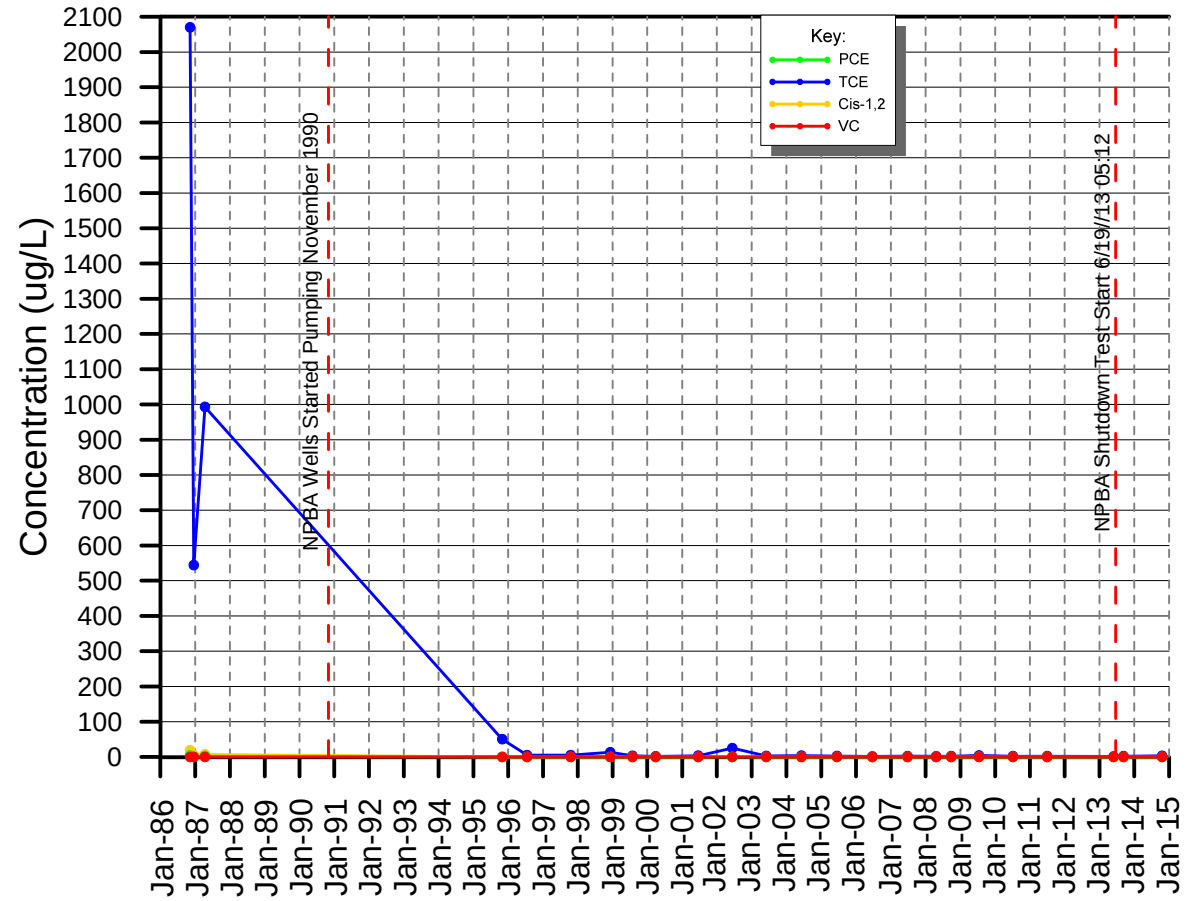

Concentration (ug/L)
1
0.1
0.01
Jan-12
Jan-13
Jan-14
Jan-15
NPBA Shutdown Test Start 6/19//13 05:12
Key:
PCE
TCE
Cis-1,2
VC

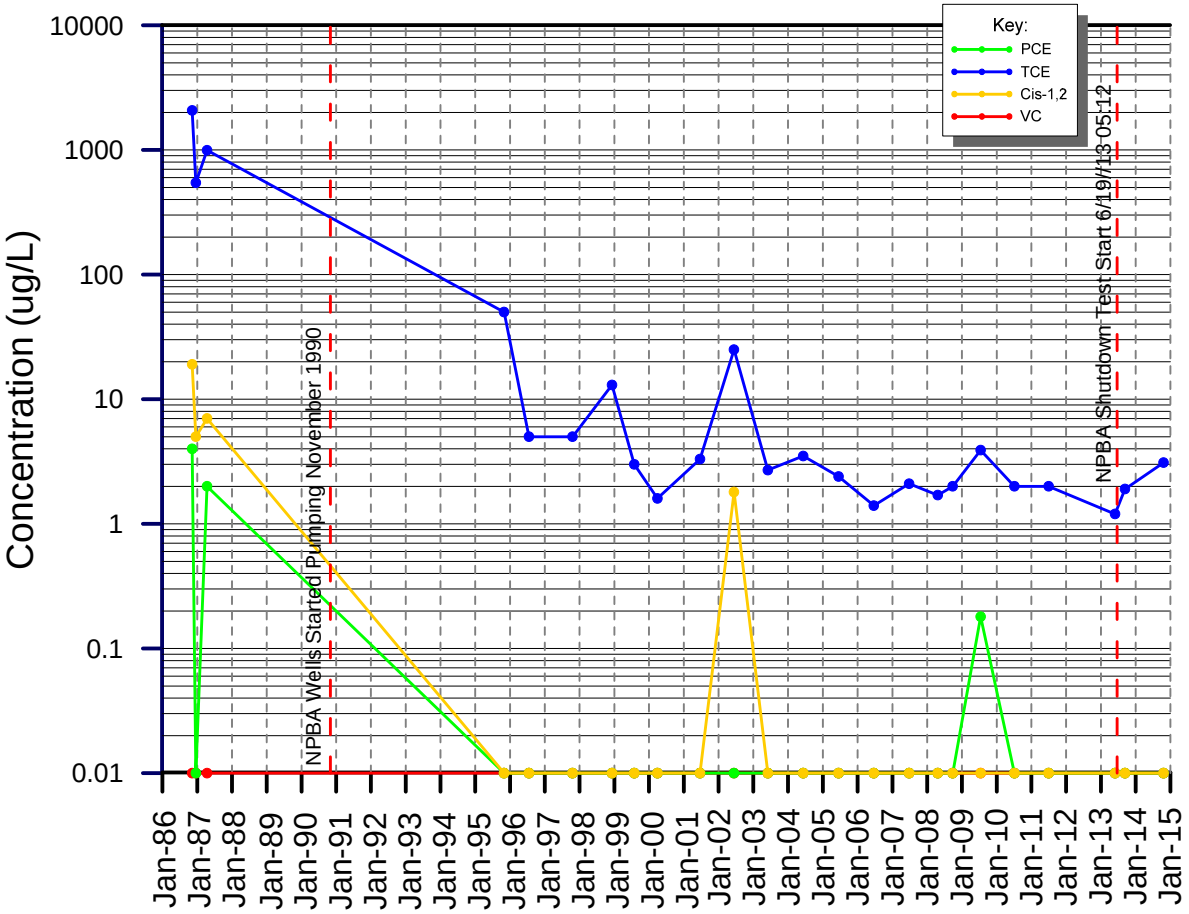
MW-143S


Key:
PCE
TCE
Cis-1,2
VC
Concentration (ug/L)
4
3
2
1
0
NPBA Shutdown Test Start 6/19//13 05:12
Jan-12
Jan-13
Jan-14
Jan-15

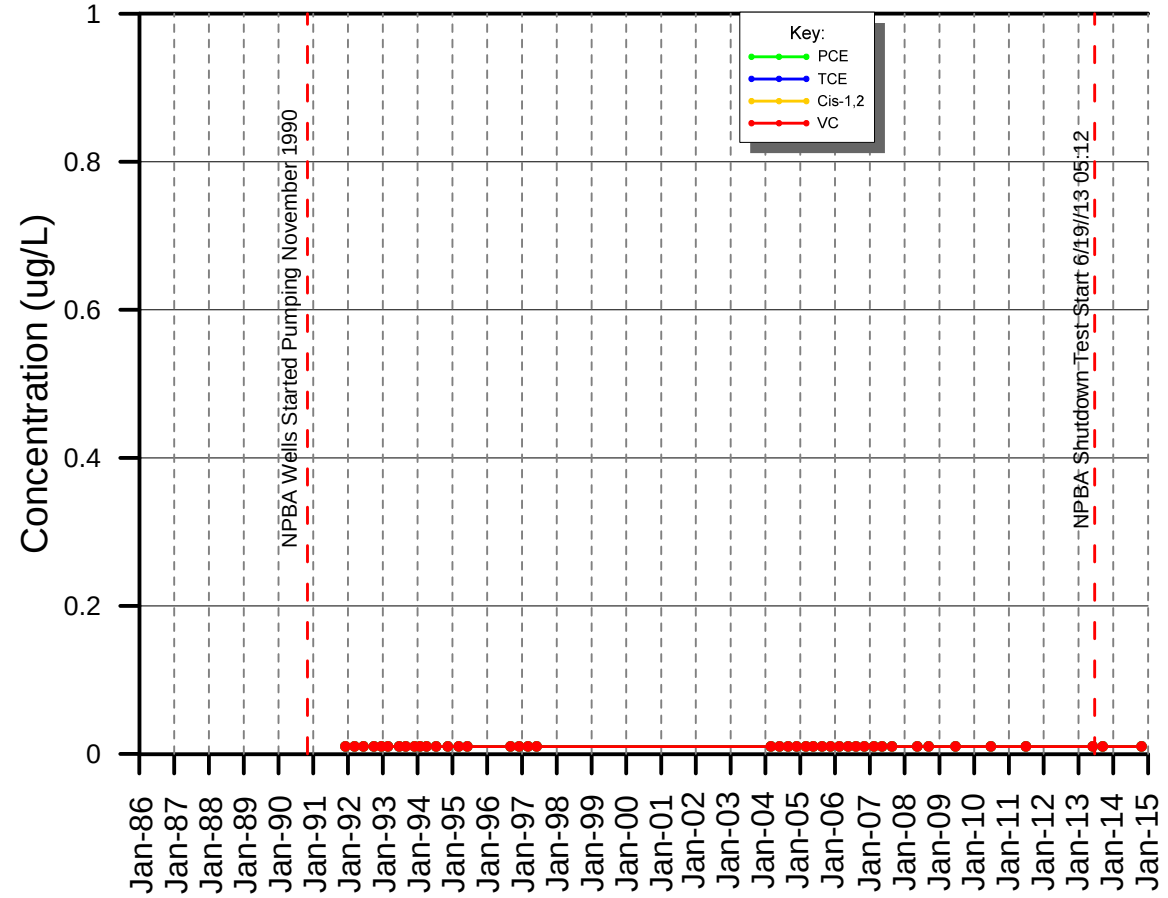

Key:
PCE
TCE
Cis-1,2
VC
Concentration (ug/L)
10
1
0.1
0.01
NPBA Shutdown Test Start 6/19//13 05:12
Jan-12
Jan-13
Jan-14
Jan-15

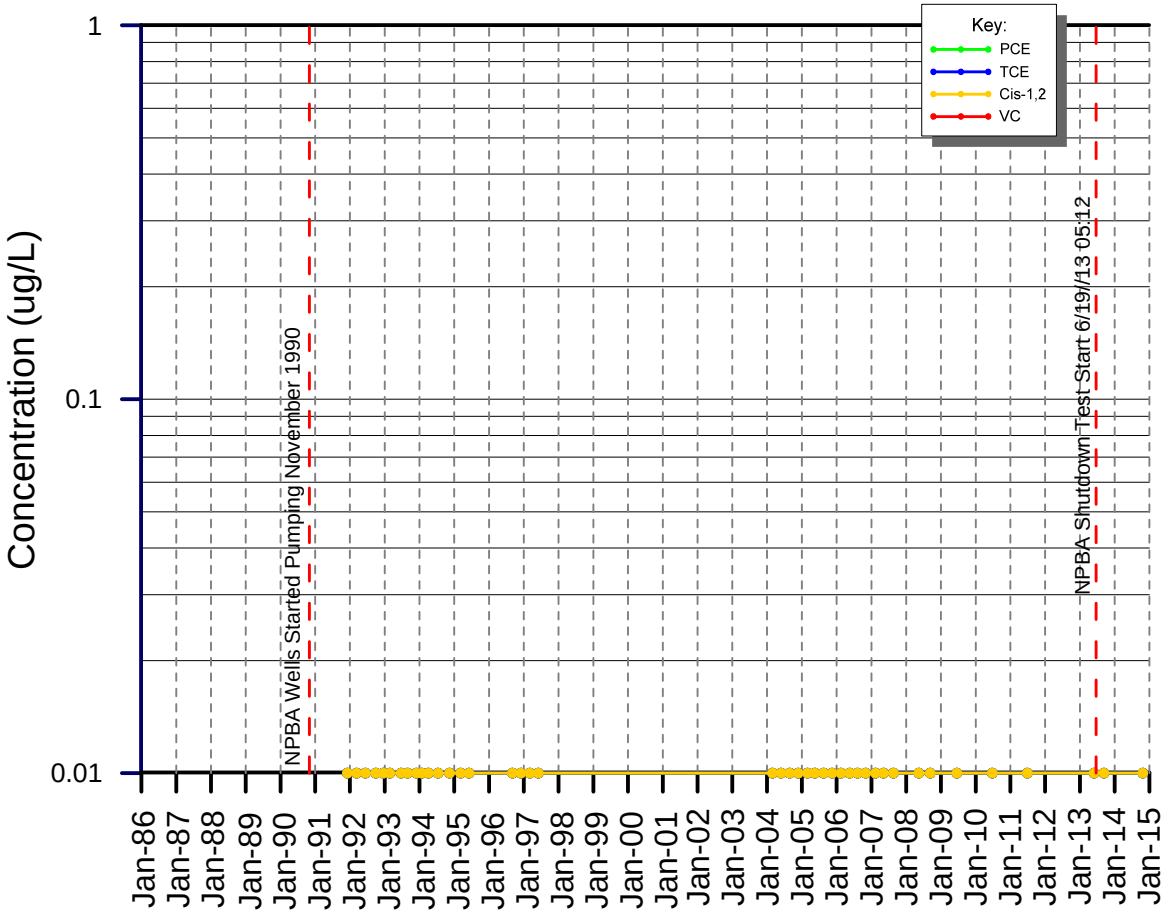
RW-2


Key:
PCE
TCE
Cis-1,2
VC
Concentration (ug/L)
2100
2000
1900
1800
1700
1600
1500
1400
1300
1200
1100
1000
900
800
700
600
500
400
300
200
100
0
NPBA Wells Started Pumping November 1990
NPBA Shutdown Test Start 6/19/13 05:12
Jan-86
Jan-87
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15


Key:
PCE
TCE
Cis-1,2
VC
Concentration (ug/L)
10000
1000
100
10
1
0.1
0.01
NPBA Wells Started Pumping November 1990
NPBA Shutdown Test Start 6/19/13 05:12
Jan-86
Jan-87
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15

RW-4 (Folk)


Key:
PCE
TCE
Cis-1,2
VC
Concentration (ug/L)
1
0.8
0.6
0.4
0.2
0
NPBA Wells Started Pumping November 1990
NPBA Shutdown Test Start 6/19//13 05:12
Jan-86
Jan-87
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15


Key:
PCE
TCE
Cis-1,2
VC
Concentration (ug/L)
1
0.1
0.01
NPBA Wells Started Pumping November 1990
NPBA Shutdown Test Start 6/19//13 05:12
Jan-86
Jan-87
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15

Appendix B

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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-3 4/29/1986	MW-3 7/22/1986	MW-3 4/15/1987	MW-3 9/22/1999	MW-3 3/20/2000	MW-3 4/3/2000	MW-3 5/7/2008	MW-3 9/11/2013	MW-3 10/14/2014	MW-9 12/4/1986	MW-9 4/15/1987	MW-9 6/16/2005
TOTAL VOC																
Total VOC					644	709	595	1099	72.5	72	42.75	36.29	34.91	161	318	338.2
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.57							1 U	1 U	1.0 U			
1,1,1-Trichloroethane	200	200	200	8000	7	8	8	5 U	0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	10 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1 U	1 U	1 U	5 U		1 U	1 U	1 U	1.0 U	1 U	1 U	2 U
1,1,2-Trichloroethane	5	5	5	0.28	1 U	1 U	1 U	5 U	0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	6 U
1,1,2-Trichlorofluoromethane	2000	2000		1100						1 U						
1,1,2-Trichlorotrifluoroethane	63000	170000		55000			1								1	
1,1-Dichloroethane	31	160		2.7	1 U	1 U	1 U	5 U	0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	10 U
1,1-Dichloroethene	7	7	7	280	1 U	1 U	1 U	5 U	0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	4 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0075							1 U	1 U	1.0 U			
1,2-Dichloroethane	5	5	5	0.17	1 U	1 U	1 U	5 U	0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	4 U
1,2-Dichloroethene	70	70	70					5 U								
1,2-Dichloropropane	5	5	5	0.44	1 U	1 U	1 U	5 U		1 U	1 U	1 U	1.0 U	1 U	1 U	2 U
1,3,5-Trimethylbenzene	13	53		120												
1,3-Dichlorobenzene	600	600								2 U						
1,3-Dichloropropene	6.6	26		0.47												
1,4-Dioxane	6.4	32		0.78							200 U	200 U	200 U			2000 U
2-Butanone	4000	4000		5600				100 U			10 U	5 U	5.0 U			10 U
2-Chloroethyl Vinyl Ether					10 U	10 U	10 U			1 U				10 U	10 U	10 U
2-Hexanone	11	44		38				100 U			10 U	5 U	5.0 U			
4-Methyl-2-Pentanone	2900	8200		1200				50 U			10 U	5 U	5.0 U			
Acetone	33000	92000		14000				100 U			10 U	5 U	5.0 U			
Acrolein	0.042	0.18		0.042												200 U
Acrylonitrile	0.72	3.7		0.052							20 U	20 U	20 U			100 U
Benzene	5	5	5	0.45	2 U	2 U	2 U	5 U			1 U	1 U	1.0 U	2 U	2 U	2 U
Bromochloromethane	90	90		83							1 U	1 U	1.0 U			
Bromodichloromethane	80	80		0.13				5 U		1 U	1 U	1 U	1.0 U			2 U
Bromoform	80	80		9.2	1 U	2 U	2 U	5 U		1 U	1 U	1 U	1.0 U	2 U	2 U	8 U
Bromomethane	10	10		7.5	5 U	5 U	5 U	5 U		2 U	1 U	1 U	1.0 U	5 U	5 U	10 U
Carbon Disulfide	1500	6200		810				50 U			1 U	1 U	1.0 U			
Carbon Tetrachloride	5	5	5	0.45	1 U	1 U	1 U	5 U		1 U	1 U	1 U	1.0 U	1 U	1 U	4 U
Chlorobenzene	100	100	100	78	1 U	1 U	1 U	5 U		2 U	1 U	1 U	1.0 U	1 U	1 U	10 U
Chlorodibromomethane	80	80		0.17	1 U	2 U	2 U	5 U		1 U	1 U	1 U	1.0 U	2 U	2 U	10 U
Chloroethane	230	900		21000	1 U	1 U	1 U	5 U		2 U	1 U	1 U	1.0 U	1 U	1 U	10 U
Chloroform	80	80		0.22	1 U	1 U	1 U	5 U	0 U	1 U	2.2	2.9	2.6	1 U	1 U	10 U
Chloromethane				190	5 U	5 U	5 U	5 U			1 U	1 U	1.0 U	5 U	5 U	10 U
cis-1,2-Dichloroethene	70	70	70	36	1 U	2	1 U				0.75 J	0.66 J	0.75 J	1	2	69
cis-1,3-Dichloropropene	6.6	26		0.47	1 U	1 U	1 U	5 U		1 U	1 U	1 U	1.0 U	1 U	1 U	10 U
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	5 U			1 U	1 U	1.0 U	1 U	1 U	8 U
Isopropylbenzene	840	3500		450												
Methyl tert-butyl ether	20	20		14							0.45 J	0.26 J	0.23 J			
Methylene chloride	5	5		11	1 U	2 U	2 U	5 U	0 U	1 U	1 U	1 U	1.0 U	2 U	2 U	6 U

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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-3 4/29/1986	MW-3 7/22/1986	MW-3 4/15/1987	MW-3 9/22/1999	MW-3 3/20/2000	MW-3 4/3/2000	MW-3 5/7/2008	MW-3 9/11/2013	MW-3 10/14/2014	MW-9 12/4/1986	MW-9 4/15/1987	MW-9 6/16/2005
Naphthalene	100	100		0.17												
Petroleum Hydrocarbons (TPH)				60000				1000								
P-Xylene	10000	10000	10000	190												
Styrene	100	100	100	1200				5 U			1 U	1 U	1.0 U			
Tetrachloroethene	5	5	5	11	5	4	4	5 U	0 U	1 U	0.35 J	0.47 J	0.33 J	1 U	1 U	0.9 J
Toluene	1000	1000	1000	1100	2 U	2 U	2 U	5 U			1 U	1 U	1.0 U	2 U	2 U	10 U
trans-1,2-Dichloroethene	100	100	100	360					0 U	1 U	1 U	1 U	1.0 U			10 U
trans-1,3-Dichloropropene	6.6	26		0.47				5 U		1 U	1 U	1 U	1.0 U			10 U
Trichloroethene	5	5	5	0.49	632	695	582	99	72.5	72	39	32	31	160	315	260
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.019	1 U	1 U	1 U	5 U	0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	8.3 J
VOC Library Search								0 U								
Xylenes (Total)	10000	10000	10000	190				5 U			3 U	3 U	3.0 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.

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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-9 5/9/2008	MW-9 6/10/2013	MW-9 9/12/2013	MW-9 10/16/2014	MW-11 5/26/1987	MW-11 10/31/1990	MW-11 2/6/1991	MW-11 4/25/1991	MW-11 6/16/2005	MW-11 Dup 6/16/2005	MW-11 4/24/2008	MW-11 6/10/2013
TOTAL VOC																
Total VOC					188.64	110	76	71.22	1102	431	282	352	9.2	0	5.58	5.07
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.57	5 U	5 U	5 U	1.0 UJ							1 U	1 U
1,1,1-Trichloroethane	200	200	200	8000	5 U	5 U	5 U	1.0 UJ	1 U	1 U	1 U	1 U	5 U		1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	5 U	5 U	5 U	1.0 UJ	1 U	1 U	1 U	1 U	1 U		1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.28	5 U	5 U	5 U	1.0 UJ	10 U	5 U	1 U	5 U	3 U		1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1100												
1,1,2-Trichlorotrifluoroethane	63000	170000		55000					1 U	1 U	1 U	1 U				
1,1-Dichloroethane	31	160		2.7	5 U	5 U	5 U	1.0 UJ	1 U	1 U	1 U	1 U	5 U		1 U	1 U
1,1-Dichloroethene	7	7	7	280	5 U	5 U	5 U	1.0 UJ	1 U	1 U	1 U	1 U	2 U		1 U	1 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	5 U	5 U	5 U	1.0 UJ							1 U	1 U
1,2-Dichloroethane	5	5	5	0.17	5 U	5 U	5 U	1.0 UJ	1 U	1 U	1 U	1 U	2 U		1 U	1 U
1,2-Dichloroethene	70	70	70													
1,2-Dichloropropane	5	5	5	0.44	5 U	5 U	5 U	1.0 UJ	1 U	1 U	1 U	1 U	1 U		1 U	1 U
1,3,5-Trimethylbenzene	13	53		120												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.47												
1,4-Dioxane	6.4	32		0.78	1000 U	1000 U	1000 U	200 UJ					1000 U		200 U	200 U
2-Butanone	4000	4000		5600	50 U	25 U	25 U	5.0 UJ					5 U		10 U	5 U
2-Chloroethyl Vinyl Ether									10 U	10 U	10 U	10 U	5 U			
2-Hexanone	11	44		38	50 U	25 U	25 U	5.0 UJ							10 U	5 U
4-Methyl-2-Pentanone	2900	8200		1200	50 U	25 U	25 U	5.0 UJ							10 U	5 U
Acetone	33000	92000		14000	50 U	25 U	25 U	5.0 UJ							10 U	5 U
Acrolein	0.042	0.18		0.042									100 U			
Acrylonitrile	0.72	3.7		0.052	100 U	100 U	100 U	20 UJ					50 U		20 U	20 U
Benzene	5	5	5	0.45	5 U	5 U	5 U	1.0 UJ	2 U	2 U	10 U	10 U	1 U		1 U	1 U
Bromochloromethane	90	90		83	5 U	5 U	5 U	1.0 UJ							1 U	1 U
Bromodichloromethane	80	80		0.13	5 U	5 U	5 U	1.0 UJ					1 U		1 U	1 U
Bromoform	80	80		9.2	5 U	5 U	5 U	1.0 UJ	2 U	2 U	2 U	2 U	4 U		1 U	1 U
Bromomethane	10	10		7.5	5 U	5 U	5 U	1.0 UJ	5 U	5 U	5 U	5 U	5 U		1 U	1 U
Carbon Disulfide	1500	6200		810	5 U	5 U	5 U	1.0 UJ							1 U	1 U
Carbon Tetrachloride	5	5	5	0.45	5 U	5 U	5 U	1.0 UJ	1 U	1 U	1 U	1 U	2 U		1 U	1 U
Chlorobenzene	100	100	100	78	5 U	5 U	5 U	1.0 UJ	1 U	1 U	1 U	1 U	5 U		1 U	1 U
Chlorodibromomethane	80	80		0.17	5 U	5 U	5 U	1.0 UJ	20 U	10 U	2 U	10 U	5 U		1 U	1 U
Chloroethane	230	900		21000	5 U	5 U	5 U	1.0 UJ	1 U	1 U	1 U	1 U	5 U		1 U	1 U
Chloroform	80	80		0.22	5 U	5 U	5 U	1.0 UJ	1 U	1 U	1 U	1 U	5 U		0.37 J	0.31 J
Chloromethane				190	5 U	5 U	5 U	1.0 UJ	5 U	5 U	5 U	5 U	5 U		1 U	1 U
cis-1,2-Dichloroethene	70	70	70	36	32	34	32	30 J	1 U	2 U	1 U	1 U	5 U		1 U	1 U
cis-1,3-Dichloropropene	6.6	26		0.47	5 U	5 U	5 U	1.0 UJ	1 U	1 U	1 U	1 U	5 U		1 U	1 U
Ethylbenzene	700	700	700	1.5	0.34 J	5 U	5 U	1.0 UJ	1 U	1 U	1 U	1 U	4 U		1 U	1 U
Isopropylbenzene	840	3500		450												
Methyl tert-butyl ether	20	20		14	5 U	5 U	5 U	1.0 UJ							1 U	1 U
Methylene chloride	5	5		11	1.8 J	5 U	1 U	1.0 UJ	5 U	2 U	2 U	2 U	3 U		1 U	1 U

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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-9 5/9/2008	MW-9 6/10/2013	MW-9 9/12/2013	MW-9 10/16/2014	MW-11 5/26/1987	MW-11 10/31/1990	MW-11 2/6/1991	MW-11 4/25/1991	MW-11 6/16/2005	MW-11 Dup 6/16/2005	MW-11 4/24/2008	MW-11 6/10/2013
Naphthalene	100	100		0.17												
Petroleum Hydrocarbons (TPH)				60000												
P-Xylene	10000	10000	10000	190												
Styrene	100	100	100	1200	5 U	5 U	5 U	1.0 UJ							1 U	1 U
Tetrachloroethene	5	5	5	11	2.2 J	5 U	5 U	0.22 J	2	1	2	2	0.8 J		0.31 J	0.26 J
Toluene	1000	1000	1000	1100	5 U	5 U	5 U	1.0 UJ	2 U	2 U	2 U	2 U	5 U		1 U	1 U
trans-1,2-Dichloroethene	100	100	100	360	5 U	5 U	5 U	1.0 UJ					5 U		1 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.47	5 U	5 U	5 U	1.0 UJ					5 U		1 U	1 U
Trichloroethene	5	5	5	0.49	150	76	44	41 J	1100	430	280	350	8.4		4.9	4.5
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.019	2.3 J	5 U	5 U	1.0 UJ	1 U	1 U	1 U	1 U	5 U		1 U	1 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	190	15 U	15 U	15 U	3.0 UJ							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.

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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 9/10/2013	MW-11 10/16/2014	MW-12 5/26/1987	MW-12 10/31/1990	MW-12 2/6/1991	MW-12 4/25/1991	MW-12 1/29/1992	MW-12 6/22/1993	MW-12 7/14/1994	MW-12 7/14/1994	MW-12 10/11/1995
TOTAL VOC															
Total VOC					5.69	4.05	1041	3008	581	599	980	326	220	220	387
Volatile Organic Compound															
1,1,1,2-Tetrachloroethane	70	70		0.57	1 U	1.0 U									
1,1,1-Trichloroethane	200	200	200	8000	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	2 U			
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1 U	1.0 U	1 U	1 U	1 U	1 U	2 U	2 U			
1,1,2-Trichloroethane	5	5	5	0.28	1 U	1.0 U	10 U	60 U	5 U	5 U	1 U	2 U			
1,1,2-Trichlorofluoromethane	2000	2000		1100											
1,1,2-Trichlorotrifluoroethane	63000	170000		55000			1 U	1 U	1 U	1 U	1 U				
1,1-Dichloroethane	31	160		2.7	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	2 U			
1,1-Dichloroethene	7	7	7	280	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	2 U			
1,2,4-Trimethylbenzene	15	62		15											
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	1 U	1.0 U									
1,2-Dichloroethane	5	5	5	0.17	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	2 U			
1,2-Dichloroethene	70	70	70												
1,2-Dichloropropane	5	5	5	0.44	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	2 U			
1,3,5-Trimethylbenzene	13	53		120											
1,3-Dichlorobenzene	600	600													
1,3-Dichloropropene	6.6	26		0.47											
1,4-Dioxane	6.4	32		0.78	200 U	200 U									
2-Butanone	4000	4000		5600	5 U	5.0 U									
2-Chloroethyl Vinyl Ether							10 U	10 U	10 U	10 U	10 U	20 U			
2-Hexanone	11	44		38	5 U	5.0 U									
4-Methyl-2-Pentanone	2900	8200		1200	5 U	5.0 U									
Acetone	33000	92000		14000	5 U	5.0 U									
Acrolein	0.042	0.18		0.042											
Acrylonitrile	0.72	3.7		0.052	20 U	20 U									
Benzene	5	5	5	0.45	1 U	1.0 U	20 U	5 U	25 U	10 U	20 U	2 U			
Bromochloromethane	90	90		83	1 U	1.0 U									
Bromodichloromethane	80	80		0.13	1 U	1.0 U									
Bromoform	80	80		9.2	1 U	1.0 U	2 U	2 U	2 U	2 U	2 U	2 U			
Bromomethane	10	10		7.5	1 U	1.0 U	5 U	5 U	5 U	5 U	5 U				
Carbon Disulfide	1500	6200		810	1 U	1.0 U									
Carbon Tetrachloride	5	5	5	0.45	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	2 U			
Chlorobenzene	100	100	100	78	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	2 U			
Chlorodibromomethane	80	80		0.17	1 U	1.0 U	20 U	60 U	10 U	10 U	20 U	2 U			
Chloroethane	230	900		21000	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	4 U			
Chloroform	80	80		0.22	0.45 J	0.41 J	1 U	5 U	1 U	1 U	1 U	2 U			
Chloromethane				190	1 U	1.0 U	5 U	5 U	5 U	5 U	5 U				
cis-1,2-Dichloroethene	70	70	70	36	1 U	1.0 U	36	190	32	29	75	24			
cis-1,3-Dichloropropene	6.6	26		0.47	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	2 U			
Ethylbenzene	700	700	700	1.5	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	2 U			
Isopropylbenzene	840	3500		450											
Methyl tert-butyl ether	20	20		14	1 U	1.0 U									
Methylene chloride	5	5		11	1 U	1.0 U	2 U	2 U	2 U	2 U	2 U	4 U			

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Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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 9/10/2013	MW-11 10/16/2014	MW-12 5/26/1987	MW-12 10/31/1990	MW-12 2/6/1991	MW-12 4/25/1991	MW-12 1/29/1992	MW-12 6/22/1993	MW-12 7/14/1994	MW-12 7/14/1994	MW-12 10/11/1995
Naphthalene	100	100		0.17											
Petroleum Hydrocarbons (TPH)				60000											
P-Xylene	10000	10000	10000	190											
Styrene	100	100	100	1200	1 U	1.0 U									
Tetrachloroethene	5	5	5	11	0.34 J	0.24 J	5	18	9	7	5	2			
Toluene	1000	1000	1000	1100	1 U	1.0 U	2 U	2 U	2 U	3	2 U	2 U			
trans-1,2-Dichloroethene	100	100	100	360	1 U	1.0 U						2 U			27
trans-1,3-Dichloropropene	6.6	26		0.47	1 U	1.0 U									
Trichloroethene	5	5	5	0.49	4.9	3.4	1000	2800	540	560	900	300	220	220	360
Vinyl Acetate	420	1800		410											
Vinyl Chloride	2	2	2	0.019	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	4 U			
VOC Library Search															
Xylenes (Total)	10000	10000	10000	190	3 U	3.0 U									

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Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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 7/18/1996	MW-12 10/23/1997	MW-12 12/8/1998	MW-12 9/20/1999	MW-12 4/3/2000	MW-12 6/20/2001	MW-12 6/18/2002	MW-12 6/4/2003	MW-12 6/8/2004	MW-12 6/16/2005	MW-12 6/23/2006	MW-12 497.79 6/28/2007
TOTAL VOC																
Total VOC					310	325	124	1160	99.1	516.8	345.2	182.4	222.3	213.2	207.2	155.3
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.57												
1,1,1-Trichloroethane	200	200	200	8000	10 U	0 U	0 U	5 U	1 U	0 U	0 U	0 U	10 U	10 U	5 U	5 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	10 U			5 U	1 U				2 U	2 U	5 U	5 U
1,1,2-Trichloroethane	5	5	5	0.28	10 U	0 U	0 U	5 U	1 U	0 U	0 U	0 U	6 U	6 U	5 U	5 U
1,1,2-Trichlorofluoromethane	2000	2000		1100					1 U							
1,1,2-Trichlorotrifluoroethane	63000	170000		55000												
1,1-Dichloroethane	31	160		2.7	10 U	0 U	0 U	5 U	1 U	0 U	0 U	0 U	10 U	10 U	5 U	5 U
1,1-Dichloroethene	7	7	7	280	10 U	0 U	0 U	5 U	1 U	0 U	0 U	0 U	4 U	4 U	5 U	5 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0075												
1,2-Dichloroethane	5	5	5	0.17	10 U	0 U	0 U	5 U	1 U	0 U	0 U	0 U	4 U	4 U	5 U	5 U
1,2-Dichloroethene	70	70	70					9								
1,2-Dichloropropane	5	5	5	0.44	10 U			5 U	1 U				2 U	2 U	5 U	5 U
1,3,5-Trimethylbenzene	13	53		120												
1,3-Dichlorobenzene	600	600							2 U							
1,3-Dichloropropene	6.6	26		0.47												
1,4-Dioxane	6.4	32		0.78									2000 U	2000 U	1000 U	1000 U
2-Butanone	4000	4000		5600	200 U			100 U					10 U	10 U	5 U	5 U
2-Chloroethyl Vinyl Ether					100 U				1 U				10 U	10 U	10 U	10 U
2-Hexanone	11	44		38	100 U			100 U								
4-Methyl-2-Pentanone	2900	8200		1200	100 U			50 U								
Acetone	33000	92000		14000	200 U	0 U	0 U	100 U		0 U	0 U					
Acrolein	0.042	0.18		0.042									200 U	200 U	100 U	100 U
Acrylonitrile	0.72	3.7		0.052									100 U	100 U	100 U	100 U
Benzene	5	5	5	0.45	10 U	0 U	0 U	5 U		0 U	0 U	0 U	2 U	2 U	5 U	5 U
Bromochloromethane	90	90		83												
Bromodichloromethane	80	80		0.13	10 U	0 U	0 U	5 U	1 U	0 U	0 U	0 U	2 U	2 U	5 U	5 U
Bromoform	80	80		9.2	10 U			5 U	1 U				8 U	8 U	5 U	5 U
Bromomethane	10	10		7.5	20 U			5 U	2 U				10 U	10 U	5 U	5 U
Carbon Disulfide	1500	6200		810	10 U	0 U	0 U	50 U		0 U	0 U					
Carbon Tetrachloride	5	5	5	0.45	10 U	0 U	0 U	5 U	1 U	0 U	0 U	0 U	4 U	4 U	5 U	5 U
Chlorobenzene	100	100	100	78	10 U	0 U	0 U	5 U	2 U	0 U	0 U	0 U	10 U	10 U	5 U	5 U
Chlorodibromomethane	80	80		0.17	10 U			5 U	1 U				10 U	10 U	5 U	5 U
Chloroethane	230	900		21000	20 U	0 U	0 U	5 U	2 U	0 U	0 U	0 U	10 U	10 U	5 U	5 U
Chloroform	80	80		0.22	10 U	0 U	0 U	5 U	1 U	0 U	0 U	0 U	10 U	10 U	5 U	5 U
Chloromethane				190	20 U			5 U					10 U	10 U	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	36	10		14		0 U	60	32		6.2 J	8.2 J	14	11
cis-1,3-Dichloropropene	6.6	26		0.47	10 U			5 U	1 U				10 U	10 U	5 U	5 U
Ethylbenzene	700	700	700	1.5	10 U	0 U	0 U	5 U		0 U	0 U	0 U	8 U	8 U	5 U	5 U
Isopropylbenzene	840	3500		450												
Methyl tert-butyl ether	20	20		14												
Methylene chloride	5	5		11	20 U	0 U	0 U	5 U	1 U	0 U	0 U	0 U	6 U	6 U	5 U	5 U

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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 7/18/1996	MW-12 10/23/1997	MW-12 12/8/1998	MW-12 9/20/1999	MW-12 4/3/2000	MW-12 6/20/2001	MW-12 6/18/2002	MW-12 6/4/2003	MW-12 6/8/2004	MW-12 6/16/2005	MW-12 6/23/2006	MW-12 497.79 6/28/2007
Naphthalene	100	100		0.17												
Petroleum Hydrocarbons (TPH)				60000				1000								
P-Xylene	10000	10000	10000	190												
Styrene	100	100	100	1200	10 U			5 U								
Tetrachloroethene	5	5	5	11	10 U	5	0 U	11	3.1	8.5	4.2	2.4	6.1	5	3.2 J	4.3 J
Toluene	1000	1000	1000	1100	10 U	0 U	0 U	5 U		0 U	0 U	0 U	10 U	10 U	5 U	5 U
trans-1,2-Dichloroethene	100	100	100	360	10 U	0 U	0 U		1 U	0.3 J	0 U	0 U	10 U	10 U	5 U	5 U
trans-1,3-Dichloropropene	6.6	26		0.47	10 U			5 U	1 U				10 U	10 U	5 U	5 U
Trichloroethene	5	5	5	0.49	300	320	110	140	96	448	309	180	210	200	190	140
Vinyl Acetate	420	1800		410	100 U											
Vinyl Chloride	2	2	2	0.019	20 U	0 U	0 U	5 U	1 U	0 U	0 U	0 U	10 U	10 U	5 U	5 U
VOC Library Search								0 U								
Xylenes (Total)	10000	10000	10000	190	50 U	0 U	0 U	5 U		0 U	0 U					

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Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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 5/6/2008	MW-12 9/16/2008	MW-12 6/23/2009	MW-12 5/31/2013	MW-12 Dup 5/31/2013	MW-12 9/12/2013	MW-12 10/17/2014	MW-16D 4/5/1988	MW-16D 5/13/2008	MW-16D 6/16/2010	MW-16D 6/11/2013	MW-16D 9/10/2013
TOTAL VOC																
Total VOC					59.4	60.89	52.1	116.8	84.8	179	142.4	320	38.1	30.08	23.9	23.8
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.57	2 U	2 U	2 U	4 U	2 U	5 U	1.0 UJ		1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	200	200	200	8000	2 U	2 U	2 U	4 UJ	2 U	5 U	1.0 UJ	11	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	2 U	2 U	2 U	4 U	2 U	5 U	1.0 UJ	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.28	2 U	2 U	2 U	4 U	2 U	5 U	1.0 UJ	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1100												
1,1,2-Trichlorotrifluoroethane	63000	170000		55000								1 U				
1,1-Dichloroethane	31	160		2.7	2 U	0.91 J	2 U	4 U	2 U	5 U	1.0 UJ	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	280	2 U	2 U	2 U	4 UJ	2 U	5 U	1.0 UJ	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	2 U	2 U	2 U	4 U	2 U	5 U	1.0 UJ		1 U	1 U	1 U	1 U
1,2-Dichloroethane	5	5	5	0.17	2 U	2 U	2 U	4 UJ	2 U	5 U	1.0 UJ	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70													
1,2-Dichloropropane	5	5	5	0.44	2 U	2 U	2 U	4 U	2 U	5 U	1.0 UJ	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	13	53		120												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.47												
1,4-Dioxane	6.4	32		0.78	400 U	400 U	400 U	800 U	400 U	1000 U	200 UJ		200 U	200 U	200 U	200 U
2-Butanone	4000	4000		5600	20 U	20 U	20 U	20 U	10 U	25 U	5.0 UJ		10 U	10 U	5 U	5 U
2-Chloroethyl Vinyl Ether												10 U				
2-Hexanone	11	44		38	20 U	20 U	20 U	20 UJ	10 U	25 U	5.0 UJ		10 U	10 U	5 U	5 U
4-Methyl-2-Pentanone	2900	8200		1200	20 U	20 U	20 U	20 UJ	10 U	25 U	5.0 UJ		10 U	10 U	5 U	5 U
Acetone	33000	92000		14000	20 U	20 U	20 U	20 UJ	10 U	25 U	5.0 UJ		10 U	10 U	5 U	5 U
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.052	40 U	40 U	40 U	80 U	40 U	100 U	20 UJ		20 U	20 U	20 U	20 U
Benzene	5	5	5	0.45	2 U	2 U	2 U	4 U	2 U	5 U	1.0 UJ	2 U	1 U	1 U	1 U	1 U
Bromochloromethane	90	90		83	2 U	2 U	2 U	4 U	2 U	5 U	1.0 UJ		1 U	1 U	1 U	1 U
Bromodichloromethane	80	80		0.13	2 U	2 U	2 U	4 U	2 U	5 U	1.0 UJ		1 U	1 U	1 U	1 U
Bromoform	80	80		9.2	2 U	2 U	2 U	4 U	2 U	5 U	1.0 UJ	2 U	1 U	1 U	1 U	1 U
Bromomethane	10	10		7.5	2 U	2 U	2 U	4 U	2 U	5 U	1.0 UJ	5 U	1 U	1 U	1 U	1 U
Carbon Disulfide	1500	6200		810	2 U	2 U	2 U	4 UJ	2 U	5 U	1.0 UJ		1 U	0.28 J B	1 U	1 U
Carbon Tetrachloride	5	5	5	0.45	2 U	2 U	2 U	4 UJ	2 U	5 U	1.0 UJ	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	78	2 U	2 U	2 U	4 U	2 U	5 U	1.0 UJ	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.17	2 U	2 U	2 U	4 U	2 U	5 U	1.0 UJ	2 U	1 U	1 U	1 U	1 U
Chloroethane	230	900		21000	2 U	2 U	2 U	4 U	2 U	5 U	1.0 UJ	1 U	1 U	1 U	1 U	1 U
Chloroform	80	80		0.22	2 U	2 U	2 U	4 U	2 U	5 U	1.0 UJ	1 U	1 U	1 U	1 U	1 U
Chloromethane				190	2 U	2 U	2 U	4 U	2 U	5 U	1.0 UJ	5 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	70	70	70	36	0.9 J	13	2 U	47 J	25	42	47 J	9	5.1	3.8	3.9	7.8
cis-1,3-Dichloropropene	6.6	26		0.47	2 U	2 U	2 U	4 U	2 U	5 U	1.0 UJ	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	2 U	2 U	2 U	4 U	2 U	5 U	1.0 UJ	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	840	3500		450												
Methyl tert-butyl ether	20	20		14	2 U	2 U	2 U	4 UJ	2 U	5 U	1.0 UJ		1 U	1 U	1 U	1 U
Methylene chloride	5	5		11	0.4 J	0.88 J B	2 U	1.1 J	2 U	5 U	1.0 UJ	2 U	1 U	1 U	1 U	1 U

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Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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 5/6/2008	MW-12 9/16/2008	MW-12 6/23/2009	MW-12 5/31/2013	MW-12 Dup 5/31/2013	MW-12 9/12/2013	MW-12 10/17/2014	MW-16D 4/5/1988	MW-16D 5/13/2008	MW-16D 6/16/2010	MW-16D 6/11/2013	MW-16D 9/10/2013
Naphthalene	100	100		0.17												
Petroleum Hydrocarbons (TPH)				60000												
P-Xylene	10000	10000	10000	190												
Styrene	100	100	100	1200	2 U	2 U	2 U	4 U	2 U	5 U	1.0 UJ		1 U	1 U	1 U	1 U
Tetrachloroethene	5	5	5	11	2.1	2.1	2.1	1.9 J	1.4 J	4.7 J	5.4 J	1 U	1 U	1 U	1 U	1 U
Toluene	1000	1000	1000	1100	2 U	2 U	2 U	4 U	2 U	5 U	1.0 UJ	2 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	100	100	100	360	2 U	2 U	2 U	4 UJ	0.47 J	2.3 J	1.0 UJ		1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.47	2 U	2 U	2 U	4 U	2 U	5 U	1.0 UJ		1 U	1 U	1 U	1 U
Trichloroethene	5	5	5	0.49	56	44	50	63	57	130	90 J	300	33	26	20	16
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.019	2 U	2 U	2 U	3.8 J	0.93 J	5 U	1.0 UJ	1 U	1 U	1 U	1 U	1 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	190	6 U	6 U	6 U	12 U	6 U	15 U	3.0 UJ		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.

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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-16D Dup 9/10/2013	MW-16D 10/16/2014	MW-16S 4/5/1988	MW-16S 5/15/2008	MW-16S 10/2/2008	MW-16S 6/28/2010	MW-16S 9/10/2013	MW-16S 10/22/2014	MW-18D 4/5/1988	MW-18D 4/23/2008	MW-18D 10/7/2008
TOTAL VOC															
Total VOC					25.8	18.4	831	341.8	633	2270.4	527.2	157.3	0	2084.32	2494
Volatile Organic Compound															
1,1,1,2-Tetrachloroethane	70	70		0.57	1 U	1.0 U		20 U	20 U	20 U	25 U	1.0 U		1 U	100 U
1,1,1-Trichloroethane	200	200	200	8000	1 U	1.0 U	1	20 U	20 U	20 U	25 U	1.0 U	1 U	1 U	100 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1 U	1.0 U	50 U	20 U	20 U	20 U	25 U	1.0 U	1 U	1 U	100 U
1,1,2-Trichloroethane	5	5	5	0.28	1 U	1.0 U	1 U	20 U	20 U	20 U	25 U	1.0 U	1 U	0.14 J	100 U
1,1,2-Trichlorofluoromethane	2000	2000		1100											
1,1,2-Trichlorotrifluoroethane	63000	170000		55000			1 U						1 U		
1,1-Dichloroethane	31	160		2.7	1 U	1.0 U	1 U	20 U	20 U	20 U	25 U	1.0 U	1 U	1 U	100 U
1,1-Dichloroethene	7	7	7	280	1 U	1.0 U	1 U	20 U	20 U	20 U	25 U	1.0 U	1 U	3.4	100 U
1,2,4-Trimethylbenzene	15	62		15											
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	1 U	1.0 U		20 U	20 U	20 U	25 U	1.0 U		1 U	100 U
1,2-Dichloroethane	5	5	5	0.17	1 U	1.0 U	1 U	20 U	20 U	20 U	25 U	1.0 U	1 U	1 U	100 U
1,2-Dichloroethene	70	70	70												
1,2-Dichloropropane	5	5	5	0.44	1 U	1.0 U	1 U	20 U	20 U	20 U	25 U	1.0 U	1 U	1 U	100 U
1,3,5-Trimethylbenzene	13	53		120											
1,3-Dichlorobenzene	600	600													
1,3-Dichloropropene	6.6	26		0.47											
1,4-Dioxane	6.4	32		0.78	200 U	200 U		4000 U	4000 U	4000 U	5000 U	200 U		200 U	20000 U
2-Butanone	4000	4000		5600	5 U	5.0 U		200 U	200 U	200 U	130 U	5.0 U		10 U	1000 U
2-Chloroethyl Vinyl Ether							10 U						10 U		
2-Hexanone	11	44		38	5 U	5.0 U		200 U	200 U	200 U	130 U	5.0 U		10 U	1000 U
4-Methyl-2-Pentanone	2900	8200		1200	5 U	5.0 U		200 U	200 U	200 U	130 U	5.0 U		10 U	1000 U
Acetone	33000	92000		14000	5 U	5.0 U		200 U	200 U	200 U	130 U	5.0 U		10 U	1000 U
Acrolein	0.042	0.18		0.042											
Acrylonitrile	0.72	3.7		0.052	20 U	20 U		400 U	400 U	400 U	500 U	20 U		20 U	2000 U
Benzene	5	5	5	0.45	1 U	1.0 U	2 U	20 U	20 U	20 U	25 U	1.0 U	2 U	1 U	100 U
Bromochloromethane	90	90		83	1 U	1.0 U		20 U	20 U	20 U	25 U	1.0 U		1 U	100 U
Bromodichloromethane	80	80		0.13	1 U	1.0 U		20 U	20 U	20 U	25 U	1.0 U		1 U	100 U
Bromoform	80	80		9.2	1 U	1.0 U	2 U	20 U	20 U	20 U	25 U	1.0 U	2 U	1 U	100 U
Bromomethane	10	10		7.5	1 U	1.0 U	5 U	20 U	20 U	20 U	25 U	1.0 U	5 U	1 U	100 U
Carbon Disulfide	1500	6200		810	1 U	1.0 U		20 U	20 U	7.4 J	25 U	1.0 U		1 U	100 U
Carbon Tetrachloride	5	5	5	0.45	1 U	1.0 U	1 U	20 U	20 U	20 U	25 U	1.0 U	1 U	1 U	100 U
Chlorobenzene	100	100	100	78	1 U	1.0 U	1 U	20 U	20 U	20 U	25 U	1.0 U	1 U	1 U	100 U
Chlorodibromomethane	80	80		0.17	1 U	1.0 U	2 U	20 U	20 U	20 U	25 U	1.0 U	2 U	1 U	100 U
Chloroethane	230	900		21000	1 U	1.0 U	1 U	20 U	20 U	20 U	25 U	1.0 U	1 U	1 U	100 U
Chloroform	80	80		0.22	1 U	1.0 U	1 U	20 U	20 U	20 U	6.2 J	1.0 U	1 U	0.077 J	100 U
Chloromethane				190	1 U	1.0 U	5 U	20 U	20 U	20 U	25 U	1.0 U	5 U	1 U	100 U
cis-1,2-Dichloroethene	70	70	70	36	6.8	3.4	30	6.9 J	20 U	12 J	40	38	1 U	650	760
cis-1,3-Dichloropropene	6.6	26		0.47	1 U	1.0 U	1 U	20 U	20 U	20 U	25 U	1.0 U	1 U	1 U	100 U
Ethylbenzene	700	700	700	1.5	1 U	1.0 U	1 U	20 U	20 U	20 U	25 U	1.0 U	1 U	1 U	100 U
Isopropylbenzene	840	3500		450											
Methyl tert-butyl ether	20	20		14	1 U	1.0 U		20 U	20 U	20 U	25 U	1.0 U		1 U	100 U
Methylene chloride	5	5		11	1 U	1.0 U	2 U	5.9 J	20 U	13 J	12 J	1.0 U	2 U	1 U	34 J

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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-16D Dup 9/10/2013	MW-16D 10/16/2014	MW-16S 4/5/1988	MW-16S 5/15/2008	MW-16S 10/2/2008	MW-16S 6/28/2010	MW-16S 9/10/2013	MW-16S 10/22/2014	MW-18D 4/5/1988	MW-18D 4/23/2008	MW-18D 10/7/2008
Naphthalene	100	100		0.17											
Petroleum Hydrocarbons (TPH)				60000											
P-Xylene	10000	10000	10000	190											
Styrene	100	100	100	1200	1 U	1.0 U		20 U	20 U	20 U	25 U	1.0 U		1 U	100 U
Tetrachloroethene	5	5	5	11	1 U	1.0 U	244	310	620	2200	450	110	1 U	1.3	100 U
Toluene	1000	1000	1000	1100	1 U	1.0 U	2 U	20 U	20 U	20 U	25 U	1.0 U	2 U	1 U	100 U
trans-1,2-Dichloroethene	100	100	100	360	1 U	1.0 U		20 U	20 U	20 U	25 U	1.0 U		3.4	100 U
trans-1,3-Dichloropropene	6.6	26		0.47	1 U	1.0 U		20 U	20 U	20 U	25 U	1.0 U		1 U	100 U
Trichloroethene	5	5	5	0.49	19	15	556	19 J	13 J	38	19 J	9.3	1 U	1400	1700 J
Vinyl Acetate	420	1800		410											
Vinyl Chloride	2	2	2	0.019	1 U	1.0 U	1 U	20 U	20 U	20 U	25 U	1.0 U	1 U	26	100 U
VOC Library Search															
Xylenes (Total)	10000	10000	10000	190	3 U	3.0 U		60 U	60 U	60 U	75 U	3.0 U		3 U	300 U

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Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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-18D 7/9/2009	MW-18D 7/1/2010	MW-18D 2/7/2013	MW-18D 6/11/2013	MW-18D 9/10/2013	MW-18D 10/23/2014	MW-18S 4/8/1988	MW-18S 5/1/2008	MW-18S Dup 5/1/2008	MW-18S 10/3/2008	MW-18S 7/9/2009	MW-18S 6/29/2010
TOTAL VOC																
Total VOC					2594	42.82	1354	937	112.9	22.68	50	1735	1722.7	990	970	50.12
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.57	100 U	1 U	40 U	40 U	5 U	1.0 U		50 U	50 U	50 U	50 U	1 U
1,1,1-Trichloroethane	200	200	200	8000	100 U	1 U	40 U	40 U	5 U	1.0 U	10 U	50 U	50 U	50 U	50 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	100 U	1 U	40 U	40 U	5 U	1.0 U	10 U	50 U	50 U	50 U	50 U	1 U
1,1,2-Trichloroethane	5	5	5	0.28	100 U	1 U	40 U	40 U	5 U	1.0 U	10 U	50 U	50 U	50 U	50 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1100												
1,1,2-Trichlorotrifluoroethane	63000	170000		55000							10 U					
1,1-Dichloroethane	31	160		2.7	100 U	1 U	40 U	40 U	5 U	1.0 U	10 U	50 U	50 U	50 U	50 U	1 U
1,1-Dichloroethene	7	7	7	280	100 U	1 U	40 U	40 U	5 U	1.0 U	10 U	50 U	50 U	50 U	50 U	1 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	100 U	1 U	40 U	40 U	5 U	1.0 U		50 U	50 U	50 U	50 U	1 U
1,2-Dichloroethane	5	5	5	0.17	100 U	1 U	40 U	40 U	5 U	1.0 U	10 U	50 U	50 U	50 U	50 U	1 U
1,2-Dichloroethene	70	70	70													
1,2-Dichloropropane	5	5	5	0.44	100 U	1 U	40 U	40 U	5 U	1.0 U	10 U	50 U	50 U	50 U	50 U	1 U
1,3,5-Trimethylbenzene	13	53		120												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.47												
1,4-Dioxane	6.4	32		0.78	20000 U	200 U	8000 U	8000 U	1000 U	200 U		10000 U	10000 U	10000 U	10000 U	200 U
2-Butanone	4000	4000		5600	1000 U	10 U	200 U	200 U	25 U	5.0 U		500 U	500 U	500 U	500 U	10 U
2-Chloroethyl Vinyl Ether											100 U					
2-Hexanone	11	44		38	1000 U	10 U	200 U	200 U	25 U	5.0 U		500 U	500 U	500 U	500 U	10 U
4-Methyl-2-Pentanone	2900	8200		1200	1000 U	10 U	200 U	200 U	25 U	5.0 U		500 U	500 U	500 U	500 U	10 U
Acetone	33000	92000		14000	1000 U	10 U	200 U	200 U	25 U	5.0 U		500 U	500 U	500 U	500 U	10 U
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.052	2000 U	20 U	800 U	800 U	100 U	20 U		1000 U	1000 U	1000 U	1000 U	20 U
Benzene	5	5	5	0.45	100 U	1 U	40 U	40 U	5 U	1.0 U	20 U	50 U	50 U	50 U	50 U	1 U
Bromochloromethane	90	90		83	100 U	1 U	40 U	40 U	5 U	1.0 U		50 U	50 U	50 U	50 U	1 U
Bromodichloromethane	80	80		0.13	100 U	1 U	40 U	40 U	5 U	1.0 U		50 U	50 U	50 U	50 U	1 U
Bromoform	80	80		9.2	100 U	1 U	40 U	40 U	5 U	1.0 U	20 U	50 U	50 U	50 U	50 U	1 U
Bromomethane	10	10		7.5	100 U	1 U	40 U	40 U	5 U	1.0 U	50 U	50 U	50 U	50 U	50 U	1 U
Carbon Disulfide	1500	6200		810	100 U	1 U	40 U	40 U	5 U	1.0 U		50 U	50 U	50 U	50 U	0.42 J
Carbon Tetrachloride	5	5	5	0.45	100 U	1 U	40 U	40 U	5 U	1.0 U	10 U	50 U	50 U	50 U	50 U	1 U
Chlorobenzene	100	100	100	78	100 U	1 U	40 U	40 U	5 U	1.0 U	10 U	50 U	50 U	50 U	50 U	1 U
Chlorodibromomethane	80	80		0.17	100 U	1 U	40 U	40 U	5 U	1.0 U	20 U	50 U	50 U	50 U	50 U	1 U
Chloroethane	230	900		21000	100 U	1 U	40 U	40 U	5 U	1.0 U	10 U	50 U	50 U	50 U	50 U	1 U
Chloroform	80	80		0.22	100 U	1 U	40 U	40 U	1.2 J	1.0 U	10 U	50 U	50 U	50 U	50 U	1 U
Chloromethane				190	100 U	1 U	40 U	40 U	5 U	1.0 U	50 U	50 U	50 U	50 U	50 U	1 U
cis-1,2-Dichloroethene	70	70	70	36	770	21	340	350	66	14	10 U	520	500	320	300	25
cis-1,3-Dichloropropene	6.6	26		0.47	100 U	1 U	40 U	40 U	5 U	1.0 U	10 U	50 U	50 U	50 U	50 U	1 U
Ethylbenzene	700	700	700	1.5	100 U	1 U	40 U	40 U	5 U	1.0 U	10 U	50 U	50 U	50 U	50 U	1 U
Isopropylbenzene	840	3500		450												
Methyl tert-butyl ether	20	20		14	100 U	1 U	40 U	40 U	5 U	1.0 U		50 U	50 U	50 U	50 U	1 U
Methylene chloride	5	5		11	100 U	1 U	40 U	17 J B	2.1 J	1.0 U	20 U	15 J	15 J	50 U	50 U	1 U

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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-18D 7/9/2009	MW-18D 7/1/2010	MW-18D 2/7/2013	MW-18D 6/11/2013	MW-18D 9/10/2013	MW-18D 10/23/2014	MW-18S 4/8/1988	MW-18S 5/1/2008	MW-18S Dup 5/1/2008	MW-18S 10/3/2008	MW-18S 7/9/2009	MW-18S 6/29/2010
Naphthalene	100	100		0.17												
Petroleum Hydrocarbons (TPH)				60000												
P-Xylene	10000	10000	10000	190												
Styrene	100	100	100	1200	100 U	1 U	40 U	40 U	5 U	1.0 U		50 U	50 U	50 U	50 U	1 U
Tetrachloroethene	5	5	5	11	100 U	1 U	40 U	40 U	5 U	1.0 U	10 U	50 U	50 U	50 U	50 U	1 U
Toluene	1000	1000	1000	1100	100 U	1 U	40 U	40 U	5 U	1.0 U	20 U	50 U	50 U	50 U	50 U	1 U
trans-1,2-Dichloroethene	100	100	100	360	100 U	1 U	40 U	40 U	5 U	1.0 U		50 U	50 U	50 U	50 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.47	100 U	1 U	40 U	40 U	5 U	1.0 U		50 U	50 U	50 U	50 U	1 U
Trichloroethene	5	5	5	0.49	1800	21	1000	560	42	8.1	50	1200	1200	670	670	24
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.019	24 J	0.82 J	14 J	10 J	1.6 J	0.58 J	10 U	50 U	7.7 J	50 U	50 U	0.7 J
VOC Library Search																
Xylenes (Total)	10000	10000	10000	190	300 U	3 U	120 U	120 U	15 U	3.0 U		150 U	150 U	150 U	150 U	3 U

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Parameter / Location/ID / Depth (ft.) / 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-18S 2/7/2013	MW-18S 6/11/2013	MW-18S 9/9/2013	MW-18S 10/23/2014	MW-20D 4/8/1988	MW-20D 5/7/2008	MW-20D 9/5/2008	MW-20D 6/18/2013	MW-20D 9/11/2013	MW-20D 10/23/2014	MW-20M 4/8/1988	MW-20M 5/19/2008
TOTAL VOC																
Total VOC					296.3	333.8	119.7	12.84	174	0.24	0.13	0.61	0.8	0.34	2200	31.62
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.57	10 U	10 U	5 U	1.0 U		1 U	1 U	1 U	1 U	1.0 U		1 U
1,1,1-Trichloroethane	200	200	200	8000	10 U	10 U	5 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	10	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	10 U	10 U	5 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	10 U	1 U
1,1,2-Trichloroethane	5	5	5	0.28	10 U	10 U	5 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	10 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1100												
1,1,2-Trichlorotrifluoroethane	63000	170000		55000					1 U						10 U	
1,1-Dichloroethane	31	160		2.7	10 U	10 U	5 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	10 U	1 U
1,1-Dichloroethene	7	7	7	280	10 U	10 U	5 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	10 U	1 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	10 U	10 U	5 U	1.0 U		1 U	1 U	1 U	1 U	1.0 U		1 U
1,2-Dichloroethane	5	5	5	0.17	10 U	10 U	5 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	40	1 U
1,2-Dichloroethene	70	70	70													
1,2-Dichloropropane	5	5	5	0.44	10 U	10 U	5 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	10 U	1 U
1,3,5-Trimethylbenzene	13	53		120												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.47												
1,4-Dioxane	6.4	32		0.78	2000 U	2000 U	1000 U	200 U		200 U	200 U	200 U	200 U	200 U		200 U
2-Butanone	4000	4000		5600	50 U	50 U	25 U	5.0 U		10 U	10 U	5 U	5 U	5.0 U		10 U
2-Chloroethyl Vinyl Ether									10 U						100 U	
2-Hexanone	11	44		38	50 U	50 U	25 U	5.0 U		10 U	10 U	5 U	5 U	5.0 U		10 U
4-Methyl-2-Pentanone	2900	8200		1200	50 U	50 U	25 U	5.0 U		10 U	10 U	5 U	5 U	5.0 U		10 U
Acetone	33000	92000		14000	50 U	50 U	25 U	5.0 U		10 U	10 U	5 U	5 U	5.0 U		10 U
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.052	200 U	200 U	100 U	20 U		20 U	20 U	20 U	20 U	20 U		20 U
Benzene	5	5	5	0.45	10 U	10 U	5 U	1.0 U	2 U	1 U	1 U	1 U	1 U	1.0 U	20 U	1 U
Bromochloromethane	90	90		83	10 U	10 U	5 U	1.0 U		1 U	1 U	1 U	1 U	1.0 U		1 U
Bromodichloromethane	80	80		0.13	10 U	10 U	5 U	1.0 U		1 U	1 U	1 U	1 U	1.0 U		1 U
Bromoform	80	80		9.2	10 U	10 U	5 U	1.0 U	2 U	1 U	1 U	1 U	1 U	1.0 U	20 U	1 U
Bromomethane	10	10		7.5	10 U	10 U	5 U	1.0 U	5 U	1 U	1 U	1 U	1 U	1.0 U	50 U	1 U
Carbon Disulfide	1500	6200		810	10 U	10 U	5 U	1.0 U		1 U	1 U	1 U	1 U	1.0 U		1 U
Carbon Tetrachloride	5	5	5	0.45	10 U	10 U	5 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	10 U	1 U
Chlorobenzene	100	100	100	78	10 U	10 U	5 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	10 U	1 U
Chlorodibromomethane	80	80		0.17	10 U	10 U	5 U	1.0 U	2 U	1 U	1 U	1 U	1 U	1.0 U	20 U	1 U
Chloroethane	230	900		21000	10 U	10 U	5 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	10 U	1 U
Chloroform	80	80		0.22	10 U	10 U	5 U	1.0 U	1 U	1 U	0.13 J	0.45 J	0.46 J	0.34 J	10 U	0.78 J
Chloromethane				190	10 U	10 U	5 U	1.0 U	5 U	1 U	1 U	1 U	1 U	1.0 U	50 U	1 U
cis-1,2-Dichloroethene	70	70	70	36	79	110	71	7	2	1 U	1 U	1 U	1 U	1.0 U	30	0.12 J
cis-1,3-Dichloropropene	6.6	26		0.47	10 U	10 U	5 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	10 U	1 U
Ethylbenzene	700	700	700	1.5	10 U	10 U	5 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	50 U	1 U
Isopropylbenzene	840	3500		450												
Methyl tert-butyl ether	20	20		14	10 U	10 U	5 U	1.0 U		1 U	1 U	1 U	1 U	1.0 U		1 U
Methylene chloride	5	5		11	3.7 J	10 U	2 J	1.0 U	2 U	1 U	1 U	1 U	1 U	1.0 U	80	0.36 J

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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 2/7/2013	MW-18S 6/11/2013	MW-18S 9/9/2013	MW-18S 10/23/2014	MW-20D 4/8/1988	MW-20D 5/7/2008	MW-20D 9/5/2008	MW-20D 6/18/2013	MW-20D 9/11/2013	MW-20D 10/23/2014	MW-20M 4/8/1988	MW-20M 5/19/2008
Naphthalene	100	100		0.17												
Petroleum Hydrocarbons (TPH)				60000												
P-Xylene	10000	10000	10000	190												
Styrene	100	100	100	1200	10 U	10 U	5 U	1.0 U		1 U	1 U	1 U	1 U	1.0 U		1 U
Tetrachloroethene	5	5	5	11	10 U	10 U	5 U	1.0 U	1	1 U	1 U	1 U	1 U	1.0 U	10 U	0.36 J
Toluene	1000	1000	1000	1100	10 U	10 U	5 U	1.0 U	2 U	1 U	1 U	0.16 J	0.34 J	1.0 U	20 U	1 U
trans-1,2-Dichloroethene	100	100	100	360	10 U	10 U	5 U	1.0 U		1 U	1 U	1 U	1 U	1.0 U		1 U
trans-1,3-Dichloropropene	6.6	26		0.47	10 U	10 U	5 U	1.0 U		1 U	1 U	1 U	1 U	1.0 U		1 U
Trichloroethene	5	5	5	0.49	210	220	45	5.5	171	0.24 J	1 U	1 U	1 U	1.0 U	2040	30
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.019	3.6 J	3.8 J	1.7 J	0.34 J	1 U	1 U	1 U	1 U	1 U	1.0 U	10 U	1 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	190	30 U	30 U	15 U	3.0 U		3 U	3 U	3 U	3 U	3.0 U		3 U

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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-20M 9/11/2008	MW-20M 9/13/2013	MW-20M 10/29/2014	MW-20S 4/8/1988	MW-20S 10/31/1990	MW-20S 2/7/1991	MW-20S 4/25/1991	MW-20S 5/20/2008	MW-20S 10/1/2008	MW-20S 6/6/2013	MW-20S 9/11/2013	MW-20S 10/17/2014
TOTAL VOC																
Total VOC					15.56	21.6	0.85	9970	7955	8130	6225	1007.7	501	237.4	95.5	119.1
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.57	1 U	1 U	1.0 U					25 U	40 U	5 U	5 U	1.0 UJ
1,1,1-Trichloroethane	200	200	200	8000	1 U	1 U	1.0 U	5 U	5	5 U	25 U	25 U	40 U	5 U	5 U	1.0 UJ
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1 U	1 U	1.0 U	5 U	5 U	20 U	10 U	25 U	40 U	5 U	5 U	1.0 UJ
1,1,2-Trichloroethane	5	5	5	0.28	1 U	1 U	1.0 U	5 U	75 U	50 U	100 U	25 U	40 U	5 U	5 U	1.0 UJ
1,1,2-Trichlorofluoromethane	2000	2000		1100												
1,1,2-Trichlorotrifluoroethane	63000	170000		55000				5 U	5 U	5 U	5 U					
1,1-Dichloroethane	31	160		2.7	1 U	1 U	1.0 U	5 U	5 U	5 U	5 U	25 U	40 U	5 U	5 U	1.0 UJ
1,1-Dichloroethene	7	7	7	280	1 U	1 U	1.0 U	5 U	5 U	5 U	5 U	25 U	40 U	5 U	5 U	1.0 UJ
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	1 U	1 U	1.0 U					25 U	40 U	5 U	5 U	1.0 UJ
1,2-Dichloroethane	5	5	5	0.17	1 U	1 U	1.0 U	5 U	5 U	5 U	5 U	25 U	40 U	5 U	5 U	1.0 UJ
1,2-Dichloroethene	70	70	70													
1,2-Dichloropropane	5	5	5	0.44	1 U	1 U	1.0 U	5 U	5 U	5 U	5 U	25 U	40 U	5 U	5 U	1.0 UJ
1,3,5-Trimethylbenzene	13	53		120												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.47												
1,4-Dioxane	6.4	32		0.78	200 U	200 U	200 U					5000 U	8000 U	1000 U	1000 U	200 UJ
2-Butanone	4000	4000		5600	10 U	5 U	5.0 U					250 U	400 U	25 U	25 U	5.0 UJ
2-Chloroethyl Vinyl Ether								50 U	50 U	50 U	50 U					
2-Hexanone	11	44		38	10 U	5 U	5.0 U					250 U	400 U	25 U	25 U	5.0 UJ
4-Methyl-2-Pentanone	2900	8200		1200	10 U	5 U	5.0 U					250 U	400 U	25 U	25 U	5.0 UJ
Acetone	33000	92000		14000	10 U	5 U	5.0 U					250 U	400 U	25 U	25 U	5.0 UJ
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.052	20 U	20 U	20 U					500 U	800 U	100 U	100 U	20 UJ
Benzene	5	5	5	0.45	1 U	1 U	1.0 U	10 U	10 U	400 U	200 U	25 U	40 U	5 U	5 U	1.0 UJ
Bromochloromethane	90	90		83	1 U	1 U	1.0 U					25 U	40 U	5 U	5 U	1.0 UJ
Bromodichloromethane	80	80		0.13	1 U	1 U	1.0 U					25 U	40 U	5 U	5 U	1.0 UJ
Bromoform	80	80		9.2	1 U	1 U	1.0 U	10 U	10 U	10 U	10 U	25 U	40 U	5 U	5 U	1.0 UJ
Bromomethane	10	10		7.5	1 U	1 U	1.0 U	25 U	25 U	25 U	25 U	25 U	40 U	5 U	5 U	1.0 UJ
Carbon Disulfide	1500	6200		810	1 U	1 U	1.0 U					25 U	40 U	5 U	5 U	1.0 UJ
Carbon Tetrachloride	5	5	5	0.45	1 U	1 U	1.0 U	5 U	5 U	5 U	5 U	25 U	40 U	5 U	5 U	1.0 UJ
Chlorobenzene	100	100	100	78	1 U	1 U	1.0 U	5 U	5 U	5 U	5 U	25 U	40 U	5 U	5 U	1.0 UJ
Chlorodibromomethane	80	80		0.17	1 U	1 U	1.0 U	10 U	150 U	100 U	200 U	25 U	40 U	5 U	5 U	1.0 UJ
Chloroethane	230	900		21000	1 U	1 U	1.0 U	5 U	5 U	5 U	5 U	25 U	40 U	5 U	5 U	1.0 UJ
Chloroform	80	80		0.22	0.56 J	1.4	1.0 U	5 U	5	10	10 U	25 U	40 U	1.1 J	2.8 J	1.7 J
Chloromethane				190	1 U	1 U	1.0 U	25 U	25 U	25 U	25 U	25 U	40 U	5 U	5 U	1.0 UJ
cis-1,2-Dichloroethene	70	70	70	36	1 U	1 U	1.0 U	410	280	265	180	8.7 J	14 J	4.1 J	5 U	1.6 J
cis-1,3-Dichloropropene	6.6	26		0.47	1 U	1 U	1.0 U	5 U	5 U	5 U	5 U	25 U	40 U	5 U	5 U	1.0 UJ
Ethylbenzene	700	700	700	1.5	1 U	1 U	1.0 U	5 U	5 U	5 U	5 U	25 U	40 U	5 U	5 U	1.0 UJ
Isopropylbenzene	840	3500		450												
Methyl tert-butyl ether	20	20		14	1 U	1 U	1.0 U					25 U	40 U	5 U	5 U	1.0 UJ
Methylene chloride	5	5		11	1 U	1 U	1.0 U	10 U	10 U	10 U	10 U	20 J	40 U	2.2 J B	3.8 U	1.0 UJ

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

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Naphthalene	100	100		0.17												
Petroleum Hydrocarbons (TPH)				60000												
P-Xylene	10000	10000	10000	190												
Styrene	100	100	100	1200	1 U	1 U	1.0 U					25 U	40 U	5 U	5 U	1.0 UJ
Tetrachloroethene	5	5	5	11	1 U	1 U	1.0 U	40	65	55	45	29	17 J	10	2.7 J	5.8 J
Toluene	1000	1000	1000	1100	1 U	2.2	1.0 U	10 U	10 U	10 U	10 U	25 U	40 U	5 U	5 U	1.0 UJ
trans-1,2-Dichloroethene	100	100	100	360	1 U	1 U	1.0 U					25 U	40 U	5 U	5 U	1.0 UJ
trans-1,3-Dichloropropene	6.6	26		0.47	1 U	1 U	1.0 U					25 U	40 U	5 U	5 U	1.0 UJ
Trichloroethene	5	5	5	0.49	15	18	0.85 J	9520	7600	7800	6000	950	470	220	90	110 J
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.019	1 U	1 U	1.0 U	5 U	5 U	5 U	5 U	25 U	40 U	5 U	5 U	1.0 UJ
VOC Library Search																
Xylenes (Total)	10000	10000	10000	190	3 U	3 U	3.0 U					75 U	120 U	15 U	15 U	3.0 UJ

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Location/ID Depth (ft.) 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-77 9/10/1999	MW-77 3/24/2000	MW-77 4/24/2008	MW-77 10/2/2008	MW-77 7/8/2009	MW-77 7/8/2010	MW-77 6/24/2011	MW-77 8/1/2012	MW-77 9/9/2013	MW-77 10/17/2014	MW-82 9/10/1999	MW-82 3/31/2000
TOTAL VOC																
Total VOC					6697	23.1	3110	2067.5	2980	2948	2230	3031	1968	1748.8	1195	97.4
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.57			100 U	100 U	100 U	100 U	50 U		50 U	5.0 UJ		
1,1,1-Trichloroethane	200	200	200	8000	1 U	1 U	100 U	100 U	100 U	100 U	50 U		50 U	5.0 UJ	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1 U	1 U	100 U	100 U	100 U	100 U	50 U		50 U	5.0 UJ	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.28	1 U	1 U	100 U	100 U	100 U	100 U	50 U		50 U	5.0 UJ	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1100		1 U										1 U
1,1,2-Trichlorotrifluoroethane	63000	170000		55000												
1,1-Dichloroethane	31	160		2.7	1 U	1 U	100 U	100 U	100 U	100 U	50 U		50 U	5.0 UJ	1 U	1 U
1,1-Dichloroethene	7	7	7	280	1 U	1 U	100 U	100 U	100 U	100 U	50 U		50 U	5.0 UJ	1 U	1 U
1,2,4-Trimethylbenzene	15	62		15			35 J	44				33 J				
1,2-Dibromoethane	0.05	0.05	0.05	0.0075			100 U	100 U	100 U	100 U	50 U		50 U	5.0 UJ		
1,2-Dichloroethane	5	5	5	0.17	1 U	21	100 U	100 U	100 U	100 U	50 U		50 U	5.0 UJ	1 U	1 U
1,2-Dichloroethene	70	70	70		1 U										95	
1,2-Dichloropropane	5	5	5	0.44	1 U	1 U	100 U	100 U	100 U	100 U	50 U		50 U	5.0 UJ	1 U	1 U
1,3,5-Trimethylbenzene	13	53		120			100 U	8.5 J				13 J				
1,3-Dichlorobenzene	600	600			10 U	2 U									10 U	2 U
1,3-Dichloropropene	6.6	26		0.47												
1,4-Dioxane	6.4	32		0.78			20000 U	20000 U	20000 U	20000 U	10000 U		10000 U	1000 UJ		
2-Butanone	4000	4000		5600	20 U		1000 U	1000 U	1000 U	1000 U	250 U		250 U	25 UJ	20 U	
2-Chloroethyl Vinyl Ether						1 U										1 U
2-Hexanone	11	44		38	20 U		1000 U	1000 U	1000 U	1000 U	250 U		250 U	25 UJ	20 U	
4-Methyl-2-Pentanone	2900	8200		1200	10 U		1000 U	1000 U	1000 U	1000 U	250 U		250 U	25 UJ	10 U	
Acetone	33000	92000		14000	20 U		1000 U	1000 U	1000 U	1000 U	250 U		250 U	25 UJ	20 U	
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.052			2000 U	2000 U	2000 U	2000 U	1000 U		1000 U	100 UJ		
Benzene	5	5	5	0.45	2100		1900	1200	2000	2000	1500	2000	1300	1200 J	1 U	
Bromochloromethane	90	90		83			100 U	100 U	100 U	100 U	50 U		50 U	5.0 UJ		
Bromodichloromethane	80	80		0.13	1 U	1 U	100 U	100 U	100 U	100 U	50 U		50 U	5.0 UJ	1 U	1 U
Bromoform	80	80		9.2	1 U	1 U	100 U	100 U	100 U	100 U	50 U		50 U	5.0 UJ	1 U	1 U
Bromomethane	10	10		7.5	1 U	2 U	100 U	100 U	100 U	100 U	50 U		50 U	5.0 UJ	1 U	2 U
Carbon Disulfide	1500	6200		810	10 U		100 U	100 U	100 U	78 J	50 U		50 U	5.0 UJ	10 U	
Carbon Tetrachloride	5	5	5	0.45	1 U	1 U	100 U	100 U	100 U	100 U	50 U		50 U	5.0 UJ	1 U	1 U
Chlorobenzene	100	100	100	78	1 U	2 U	100 U	100 U	100 U	100 U	50 U		50 U	5.0 UJ	1 U	2 U
Chlorodibromomethane	80	80		0.17	1 U	1 U	100 U	100 U	100 U	100 U	50 U		50 U	5.0 UJ	1 U	1 U
Chloroethane	230	900		21000	1 U	2 U	100 U	100 U	100 U	100 U	50 U		50 U	5.0 UJ	1 U	2 U
Chloroform	80	80		0.22	1 U	1 U	100 U	100 U	100 U	100 U	50 U		50 U	5.0 UJ	1 U	1 U
Chloromethane				190	1 U		100 U	100 U	100 U	100 U	50 U		50 U	9.8 J	1 U	
cis-1,2-Dichloroethene	70	70	70	36			100 U	100 U	100 U	100 U	50 U		50 U	5.0 UJ		
cis-1,3-Dichloropropene	6.6	26		0.47	1 U	1 U	100 U	100 U	100 U	100 U	50 U		50 U	5.0 UJ	1 U	1 U
Ethylbenzene	700	700	700	1.5	100		87 J	58 J	110	120	80	140	99	92 J	1 U	
Isopropylbenzene	840	3500		450			100 U	24				24 J				
Methyl tert-butyl ether	20	20		14	67 J		790	470	610	700	520	540	380	350 J		
Methylene chloride	5	5		11	1 U	1 U	100 U	100 U	100 U	100 U	50 U		41 J B	5.0 UJ	1 U	1 U

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

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Naphthalene	100	100		0.17			66 J	110				41 J				
Petroleum Hydrocarbons (TPH)				60000	3500										1000	
P-Xylene	10000	10000	10000	190	150 J											
Styrene	100	100	100	1200	1 U		100 U	100 U	100 U	100 U	50 U		50 U	5.0 UJ	1 U	
Tetrachloroethene	5	5	5	11	1 U	1	100 U	100 U	100 U	100 U	50 U		50 U	5.0 UJ	4	3.4
Toluene	1000	1000	1000	1100	180		82 J	53 J	100	50 J	56	110	70	45 J	1 U	
trans-1,2-Dichloroethene	100	100	100	360		1 U	100 U	100 U	100 U	100 U	50 U		50 U	5.0 UJ		1 U
trans-1,3-Dichloropropene	6.6	26		0.47	1 U	1 U	100 U	100 U	100 U	100 U	50 U		50 U	5.0 UJ	1 U	1 U
Trichloroethene	5	5	5	0.49	1 U	1.1	100 U	100 U	100 U	100 U	50 UJ		50 U	5.0 UJ	96	94
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.019	1 U	1 U	100 U	100 U	100 U	100 U	50 U		50 U	5.0 UJ	1 U	1 U
VOC Library Search					0 U										0 U	
Xylenes (Total)	10000	10000	10000	190	600		150 J	100 J	160 J	300 U	74 J	130 J	78 J	52 J	1 U	

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

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TOTAL VOC																
Total VOC					248.7	0	46.3	25.1	22.9	5.4	9.8	75.25	80.78	59.21	56.92	48.43
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.57								1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	200	200	200	8000	0 U	0 U	0 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076				1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.28	0 U	0 U	0 U	3 U	3 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1100												
1,1,2-Trichlorotrifluoroethane	63000	170000		55000												
1,1-Dichloroethane	31	160		2.7	0 U	0 U	0 U	5 U	5 U	5 U	5 U	0.24 J	0.36 J	0.21 J	0.3 J	0.24 J
1,1-Dichloroethene	7	7	7	280	0 U	0 U	0 U	2 U	2 U	5 U	5 U	1 U	0.32 J	1 U	1 U	1 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0075								1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	5	5	5	0.17	0 U	0 U	0 U	2 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70													
1,2-Dichloropropane	5	5	5	0.44				1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	13	53		120												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.47												
1,4-Dioxane	6.4	32		0.78				1000 U	1000 U	1000 U	1000 U	200 U	200 U	200 U	200 U	200 U
2-Butanone	4000	4000		5600				5 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U	5 U
2-Chloroethyl Vinyl Ether								5 U	5 U	10 U	10 U					
2-Hexanone	11	44		38								10 U	10 U	10 U	10 U	5 U
4-Methyl-2-Pentanone	2900	8200		1200								10 U	10 U	10 U	10 U	5 U
Acetone	33000	92000		14000	0 U	0 U						10 U	3.7 J	10 U	10 U	5 U
Acrolein	0.042	0.18		0.042				100 U	100 U	100 U	100 U					
Acrylonitrile	0.72	3.7		0.052				50 U	50 U	100 U	100 U	20 U	20 U	20 U	20 U	20 U
Benzene	5	5	5	0.45	0 U	0 U	0 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	90	90		83								1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	80	80		0.13	0 U	0 U	0 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Bromoform	80	80		9.2				4 U	4 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	10	10		7.5				5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	1500	6200		810	0 U	0 U						1 U	1 U	1 U	0.31 J	1 U
Carbon Tetrachloride	5	5	5	0.45	0 U	0 U	0 U	2 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	78	0 U	0 U	0 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.17				5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	230	900		21000	0 U	0 U	0 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Chloroform	80	80		0.22	0 U	0 U	0 U	5 U	5 U	5 U	5 U	0.15 J	1 U	1 U	1 U	1 U
Chloromethane				190				5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	70	70	70	36	135	0 U		16	22	5.4	9.8	40	35	29	28	23
cis-1,3-Dichloropropene	6.6	26		0.47				5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	0 U	0 U	0 U	4 U	4 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	840	3500		450												
Methyl tert-butyl ether	20	20		14								1 U	1 U	1 U	1 U	1 U
Methylene chloride	5	5		11	0 U	0 U	0 U	3 U	3 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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-82 6/20/2001	MW-82 6/12/2002	MW-82 6/4/2003	MW-82 6/8/2004	MW-82 6/14/2005	MW-82 6/22/2006	MW-82 345.58 6/26/2007	MW-82 4/25/2008	MW-82 9/12/2008	MW-82 6/23/2009	MW-82 6/18/2010	MW-82 6/20/2011
Naphthalene	100	100		0.17												
Petroleum Hydrocarbons (TPH)				60000												
P-Xylene	10000	10000	10000	190												
Styrene	100	100	100	1200								1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	5	5	11	5	0 U	2.1	0.6 J	1 U	5 U	5 U	1.7	2.4	1.6	1.9	1.8
Toluene	1000	1000	1000	1100	0 U	0 U	0 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	100	100	100	360	1.7	0 U	0 U	5 U	5 U	5 U	5 U	0.16 J	1 U	1.4	0.41 J	0.39 J
trans-1,3-Dichloropropene	6.6	26		0.47				5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	5	5	0.49	107	0 U	44.2	8.5	0.9 J	5 U	5 U	33	39	27	26	23
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.019	0 U	0 U	0 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	190	0 U	0 U						3 U	3 U	3 U	3 U	3 U

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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-82 9/3/2013	MW-82 10/23/2014	MW-82 Dup 10/23/2014	MW-102D 4/29/2008	MW-102D 9/19/2008	MW-102D 7/2/2009	MW-102D Dup 7/2/2009	MW-102D 6/23/2010	MW-102D 9/11/2013	MW-102D 10/21/2014	MW-102S 4/30/2008
TOTAL VOC															
Total VOC					32.68	32.19	30.39	202.9	200	151.3	130.8	170.9	158	162.35	138.98
Volatile Organic Compound															
1,1,1,2-Tetrachloroethane	70	70		0.57	1 U	1.0 U	1.0 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	3 U
1,1,1-Trichloroethane	200	200	200	8000	1 U	1.0 U	1.0 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	26
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1 U	1.0 U	1.0 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	3 U
1,1,2-Trichloroethane	5	5	5	0.28	1 U	1.0 U	1.0 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	3 U
1,1,2-Trichlorofluoromethane	2000	2000		1100											
1,1,2-Trichlorotrifluoroethane	63000	170000		55000											
1,1-Dichloroethane	31	160		2.7	0.48 J	0.58 J	1.0 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	2.4 J
1,1-Dichloroethene	7	7	7	280	1 U	0.41 J	0.39 J	10 U	10 U	10 U	10 U	10 U	10 U	1 U	20
1,2,4-Trimethylbenzene	15	62		15											
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	1 U	1.0 U	1.0 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	3 U
1,2-Dichloroethane	5	5	5	0.17	1 U	1.0 U	1.0 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	3 U
1,2-Dichloroethene	70	70	70												
1,2-Dichloropropane	5	5	5	0.44	1 U	1.0 U	1.0 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	3 U
1,3,5-Trimethylbenzene	13	53		120											
1,3-Dichlorobenzene	600	600													
1,3-Dichloropropene	6.6	26		0.47											
1,4-Dioxane	6.4	32		0.78	200 U	200 U	200 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	200 U	600 U
2-Butanone	4000	4000		5600	5 U	5.0 U	5.0 U	100 U	100 U	100 U	100 U	100 U	50 U	5 U	30 U
2-Chloroethyl Vinyl Ether															
2-Hexanone	11	44		38	5 U	5.0 U	5.0 U	100 U	100 U	100 U	100 U	100 U	50 U	5 U	30 U
4-Methyl-2-Pentanone	2900	8200		1200	5 U	5.0 U	5.0 U	100 U	100 U	100 U	100 U	100 U	50 U	5 U	30 U
Acetone	33000	92000		14000	5 U	5.0 U	5.0 U	100 U	100 U	100 U	100 U	100 U	50 U	5 U	30 U
Acrolein	0.042	0.18		0.042											
Acrylonitrile	0.72	3.7		0.052	20 U	20 U	20 U	200 U	200 U	200 U	200 U	200 U	200 U	20 U	60 U
Benzene	5	5	5	0.45	1 U	1.0 U	1.0 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	3 U
Bromochloromethane	90	90		83	1 U	1.0 U	1.0 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	3 U
Bromodichloromethane	80	80		0.13	1 U	1.0 U	1.0 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	3 U
Bromoform	80	80		9.2	1 U	1.0 U	1.0 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	3 U
Bromomethane	10	10		7.5	1 U	1.0 U	1.0 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	3 U
Carbon Disulfide	1500	6200		810	1 U	1.0 U	1.0 U	10 U	10 U	10 U	10 U	7.1 J	10 U	1 U	3 U
Carbon Tetrachloride	5	5	5	0.45	1 U	1.0 U	1.0 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	3 U
Chlorobenzene	100	100	100	78	1 U	1.0 U	1.0 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	3 U
Chlorodibromomethane	80	80		0.17	1 U	1.0 U	1.0 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	3 U
Chloroethane	230	900		21000	1 U	1.0 U	1.0 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	3 U
Chloroform	80	80		0.22	1 U	1.0 U	1.0 U	10 U	10 U	10 U	10 U	10 U	10 U	0.35 J	3 U
Chloromethane				190	1 U	1.0 U	1.0 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	3 U
cis-1,2-Dichloroethene	70	70	70	36	22	22	21	9.7 J	11	7.6 J	8.5 J	11	9.2 J	11	10
cis-1,3-Dichloropropene	6.6	26		0.47	1 U	1.0 U	1.0 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	3 U
Ethylbenzene	700	700	700	1.5	1 U	1.0 U	1.0 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	3 U
Isopropylbenzene	840	3500		450											
Methyl tert-butyl ether	20	20		14	1 U	1.0 U	1.0 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	3 U
Methylene chloride	5	5		11	1 U	1.0 U	1.0 U	2.2 J	5 J B	6.6 J	3.2 J B	3.2 J	2.3 U	1 U	0.58 J

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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-82 9/3/2013	MW-82 10/23/2014	MW-82 Dup 10/23/2014	MW-102D 4/29/2008	MW-102D 9/19/2008	MW-102D 7/2/2009	MW-102D Dup 7/2/2009	MW-102D 6/23/2010	MW-102D 9/11/2013	MW-102D 10/21/2014	MW-102S 4/30/2008
Naphthalene	100	100		0.17											
Petroleum Hydrocarbons (TPH)				60000											
P-Xylene	10000	10000	10000	190											
Styrene	100	100	100	1200	1 U	1.0 U	1.0 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	3 U
Tetrachloroethene	5	5	5	11	1.7	1.9	1.7	11	14	7.1 J	9.1 J	9.6 J	8.8 J	11	19
Toluene	1000	1000	1000	1100	1 U	1.0 U	1.0 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	3 U
trans-1,2-Dichloroethene	100	100	100	360	1 U	1.0 U	1.0 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	3 U
trans-1,3-Dichloropropene	6.6	26		0.47	1 U	1.0 U	1.0 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	3 U
Trichloroethene	5	5	5	0.49	8.5	7.3	7.3	180	170	130	110	140	140	140	61
Vinyl Acetate	420	1800		410											
Vinyl Chloride	2	2	2	0.019	1 U	1.0 U	1.0 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	3 U
VOC Library Search															
Xylenes (Total)	10000	10000	10000	190	3 U	3.0 U	3.0 U	30 U	30 U	30 U	30 U	30 U	30 U	3 U	9 U

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Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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-102S 9/17/2008	MW-102S 6/24/2009	MW-102S 6/21/2010	MW-102S 9/12/2013	MW-102S 10/21/2014	MW-102S Dup 10/21/2014	MW-103D 4/30/2008	MW-103D 9/19/2008	MW-103D 6/23/2009	MW-103D 6/18/2010	MW-103D 9/10/2013
TOTAL VOC															
Total VOC					167	321.79	169.8	70.9	64.32	70.3	113.27	113.9	135.5	98.1	92.07
Volatile Organic Compound															
1,1,1,2-Tetrachloroethane	70	70		0.57	2.5 U	3 U	3 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U
1,1,1-Trichloroethane	200	200	200	8000	31	97	58	14	9.5	11	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	2.5 U	3 U	3 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5	5	5	0.28	2.5 U	3 U	3 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichlorofluoromethane	2000	2000		1100											
1,1,2-Trichlorotrifluoroethane	63000	170000		55000											
1,1-Dichloroethane	31	160		2.7	2 J	17	7.8	1.6	0.92 J	1	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	7	7	7	280	29	62	34	9.1	8.9	9.8	5 U	5 U	5 U	5 U	5 U
1,2,4-Trimethylbenzene	15	62		15											
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	2.5 U	3 U	3 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	5	5	5	0.17	2.5 U	3 U	3 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene	70	70	70												
1,2-Dichloropropane	5	5	5	0.44	2.5 U	3 U	3 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U
1,3,5-Trimethylbenzene	13	53		120											
1,3-Dichlorobenzene	600	600													
1,3-Dichloropropene	6.6	26		0.47											
1,4-Dioxane	6.4	32		0.78	500 U	600 U	600 U	200 U	200 U	200 U	1000 U	1000 U	1000 U	1000 U	1000 U
2-Butanone	4000	4000		5600	25 U	30 U	30 U	5 U	5 U	5 U	50 U	50 U	50 U	50 U	25 U
2-Chloroethyl Vinyl Ether															
2-Hexanone	11	44		38	25 U	30 U	30 U	5 U	5 U	5 U	50 U	50 U	50 U	50 U	25 U
4-Methyl-2-Pentanone	2900	8200		1200	25 U	30 U	30 U	5 U	5 U	5 U	50 U	50 U	50 U	50 U	25 U
Acetone	33000	92000		14000	25 U	30 U	30 U	5 U	5 U	5 U	50 U	50 U	50 U	50 U	25 U
Acrolein	0.042	0.18		0.042											
Acrylonitrile	0.72	3.7		0.052	50 U	60 U	60 U	20 U	20 U	20 U	100 U	100 U	100 U	100 U	100 U
Benzene	5	5	5	0.45	2.5 U	3 U	3 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U
Bromochloromethane	90	90		83	2.5 U	3 U	3 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U
Bromodichloromethane	80	80		0.13	2.5 U	3 U	3 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U
Bromoform	80	80		9.2	2.5 U	3 U	3 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U
Bromomethane	10	10		7.5	2.5 U	3 U	3 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U
Carbon Disulfide	1500	6200		810	2.5 U	3 U	3 U	1 U	1 U	1 U	5 U	5 U	5 U	3.2 J	5 U
Carbon Tetrachloride	5	5	5	0.45	2.5 U	3 U	3 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	100	100	100	78	2.5 U	3 U	3 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U
Chlorodibromomethane	80	80		0.17	2.5 U	3 U	3 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U
Chloroethane	230	900		21000	2.5 U	3 U	3 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U
Chloroform	80	80		0.22	2.5 U	3 U	3 U	1 U	1 U	1 U	0.48 J	5 U	5 U	5 U	0.97 J
Chloromethane				190	2.5 U	3 U	3 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	36	14	36	15	5.2	4	4.5	3.5 J	3.7 J	3.5 J	3.1 J	2.8 J
cis-1,3-Dichloropropene	6.6	26		0.47	2.5 U	3 U	3 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	700	700	700	1.5	2.5 U	3 U	3 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U
Isopropylbenzene	840	3500		450											
Methyl tert-butyl ether	20	20		14	2.5 U	3 U	3 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U
Methylene chloride	5	5		11	1 J B	0.79 J	3 U	1 U	1 U	1 U	0.99 J	2.2 J B	5 U	5 U	2.3 J B

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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-102S 9/17/2008	MW-102S 6/24/2009	MW-102S 6/21/2010	MW-102S 9/12/2013	MW-102S 10/21/2014	MW-102S Dup 10/21/2014	MW-103D 4/30/2008	MW-103D 9/19/2008	MW-103D 6/23/2009	MW-103D 6/18/2010	MW-103D 9/10/2013
Naphthalene	100	100		0.17											
Petroleum Hydrocarbons (TPH)				60000											
P-Xylene	10000	10000	10000	190											
Styrene	100	100	100	1200	2.5 U	3 U	3 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	5	5	5	11	25	27	17	12	13	14	8.3	12	12	8.8	7
Toluene	1000	1000	1000	1100	2.5 U	3 U	3 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U
trans-1,2-Dichloroethene	100	100	100	360	2.5 U	3 U	3 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	6.6	26		0.47	2.5 U	3 U	3 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5	5	5	0.49	65	82	38	29	28	30	100	96	120	83	79
Vinyl Acetate	420	1800		410											
Vinyl Chloride	2	2	2	0.019	2.5 U	3 U	3 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U
VOC Library Search															
Xylenes (Total)	10000	10000	10000	190	7.5 U	9 U	9 U	3 U	3 U	3 U	15 U	15 U	15 U	15 U	15 U

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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-103D 10/17/2014	MW-103D Dup 10/17/2014	MW-103S 4/30/2008	MW-103S 9/19/2008	MW-103S 6/29/2009	MW-103S 6/24/2010	MW-103S 9/11/2013	MW-103S 10/17/2014	MW-142D 11/12/2012	MW-142D 2/7/2013	MW-142D 5/31/2013
TOTAL VOC															
Total VOC					86.89	86.87	258.2	271.8	336.9	257.5	194.7	169.93	7.97	4.1	9.8
Volatile Organic Compound															
1,1,1,2-Tetrachloroethane	70	70		0.57	1.0 UJ	1.0 UJ	10 U	10 U	10 U	10 U	10 U	1.0 UJ	1 U	1 U	1 U
1,1,1-Trichloroethane	200	200	200	8000	1.0 UJ	1.0 UJ	3.6 J	3.5 J	5.1 J	10 U	10 U	1.3 J	1 U	1 U	1 UJ
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1.0 UJ	1.0 UJ	10 U	10 U	10 U	10 U	10 U	1.0 UJ	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.28	1.0 UJ	1.0 UJ	10 U	10 U	10 U	10 U	10 U	1.0 UJ	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1100											
1,1,2-Trichlorotrifluoroethane	63000	170000		55000											
1,1-Dichloroethane	31	160		2.7	1.0 UJ	1.0 UJ	10 U	10 U	10 U	10 U	10 U	0.22 J	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	280	1.0 UJ	1.0 UJ	2.6 J	10 U	10 U	10 U	10 U	1.7 J	1 U	1 U	1 UJ
1,2,4-Trimethylbenzene	15	62		15											
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	1.0 UJ	1.0 UJ	10 U	10 U	10 U	10 U	10 U	1.0 UJ	1 U	1 U	1 U
1,2-Dichloroethane	5	5	5	0.17	1.0 UJ	1.0 UJ	10 U	10 U	10 U	10 U	10 U	1.0 UJ	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70												
1,2-Dichloropropane	5	5	5	0.44	1.0 UJ	1.0 UJ	10 U	10 U	10 U	10 U	10 U	1.0 UJ	1 U	1 U	1 U
1,3,5-Trimethylbenzene	13	53		120											
1,3-Dichlorobenzene	600	600													
1,3-Dichloropropene	6.6	26		0.47											
1,4-Dioxane	6.4	32		0.78	200 UJ	200 UJ	2000 U	2000 U	2000 U	2000 U	2000 U	200 UJ	200 U	200 U	200 U
2-Butanone	4000	4000		5600	5.0 UJ	5.0 UJ	100 U	100 U	100 U	100 U	50 U	5.0 UJ	5 U	5 U	5 UJ
2-Chloroethyl Vinyl Ether															
2-Hexanone	11	44		38	5.0 UJ	5.0 UJ	100 U	100 U	100 U	100 U	50 U	5.0 UJ	5 U	5 U	5 UJ
4-Methyl-2-Pentanone	2900	8200		1200	5.0 UJ	5.0 UJ	100 U	100 U	100 U	100 U	50 U	5.0 UJ	5 U	5 U	5 UJ
Acetone	33000	92000		14000	5.0 UJ	5.0 UJ	100 U	100 U	100 U	100 U	50 U	5.0 UJ	5 U	5 U	5 UJ
Acrolein	0.042	0.18		0.042											
Acrylonitrile	0.72	3.7		0.052	20 UJ	20 UJ	200 U	200 U	200 U	200 U	200 U	20 UJ	20 U	20 U	20 U
Benzene	5	5	5	0.45	1.0 UJ	1.0 UJ	10 U	10 U	10 U	10 U	10 U	1.0 UJ	1 U	1 U	1 U
Bromochloromethane	90	90		83	1.0 UJ	1.0 UJ	10 U	10 U	10 U	10 U	10 U	1.0 UJ	1 U	1 U	1 U
Bromodichloromethane	80	80		0.13	1.0 UJ	1.0 UJ	10 U	10 U	10 U	10 U	10 U	1.0 UJ	1 U	1 U	1 U
Bromoform	80	80		9.2	1.0 UJ	1.0 UJ	10 U	10 U	10 U	10 U	10 U	1.0 UJ	1 U	1 U	1 U
Bromomethane	10	10		7.5	1.0 UJ	1.0 UJ	10 U	10 U	10 U	10 U	10 U	1.0 UJ	1 U	1 U	1 U
Carbon Disulfide	1500	6200		810	1.0 UJ	1.0 UJ	10 U	10 U	10 U	9.5 J	10 U	1.0 UJ	1 U	1 U	1 UJ
Carbon Tetrachloride	5	5	5	0.45	1.0 UJ	1.0 UJ	10 U	10 U	10 U	10 U	10 U	1.0 UJ	1 U	1 U	1 UJ
Chlorobenzene	100	100	100	78	1.0 UJ	1.0 UJ	10 U	10 U	10 U	10 U	10 U	1.0 UJ	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.17	1.0 UJ	1.0 UJ	10 U	10 U	10 U	10 U	10 U	1.0 UJ	1 U	1 U	1 U
Chloroethane	230	900		21000	1.0 UJ	1.0 UJ	10 U	10 U	10 U	10 U	10 U	1.0 UJ	1 U	1 U	1 U
Chloroform	80	80		0.22	0.59 J	0.57 J	10 U	10 U	10 U	10 U	2.6 J	0.51 J	1 U	1 U	1 U
Chloromethane				190	1.0 UJ	1.0 UJ	10 U	10 U	10 U	10 U	10 U	1.0 UJ	1 U	1 U	1 U
cis-1,2-Dichloroethene	70	70	70	36	6.3 J	5.5 J	8.7 J	9.8 J	10	11	7.1 J	7.2 J	7.8	4.1	9.8
cis-1,3-Dichloropropene	6.6	26		0.47	1.0 UJ	1.0 UJ	10 U	10 U	10 U	10 U	10 U	1.0 UJ	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	1.0 UJ	1.0 UJ	10 U	10 U	10 U	10 U	10 U	1.0 UJ	1 U	1 U	1 U
Isopropylbenzene	840	3500		450											
Methyl tert-butyl ether	20	20		14	1.0 UJ	1.0 UJ	10 U	10 U	10 U	10 U	10 U	1.0 UJ	1 U	1 U	1 UJ
Methylene chloride	5	5		11	1.0 UJ	1.0 UJ	2.3 J	9.5 J	2.8 J	10 U	9.7 U	1.0 UJ	1 U	1 U	1 UJ

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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-103D 10/17/2014	MW-103D Dup 10/17/2014	MW-103S 4/30/2008	MW-103S 9/19/2008	MW-103S 6/29/2009	MW-103S 6/24/2010	MW-103S 9/11/2013	MW-103S 10/17/2014	MW-142D 11/12/2012	MW-142D 2/7/2013	MW-142D 5/31/2013
Naphthalene	100	100		0.17											
Petroleum Hydrocarbons (TPH)				60000											
P-Xylene	10000	10000	10000	190											
Styrene	100	100	100	1200	1.0 UJ	1.0 UJ	10 U	10 U	10 U	10 U	10 U	1.0 UJ	1 U	1 U	1 U
Tetrachloroethene	5	5	5	11	11 J	9.8 J	31	39	39	27	25	29 J	1 U	1 U	1 U
Toluene	1000	1000	1000	1100	1.0 UJ	1.0 UJ	10 U	10 U	10 U	10 U	10 U	1.0 UJ	1 U	1 U	1 U
trans-1,2-Dichloroethene	100	100	100	360	1.0 UJ	1.0 UJ	10 U	10 U	10 U	10 U	10 U	1.0 UJ	1 U	1 U	1 UJ
trans-1,3-Dichloropropene	6.6	26		0.47	1.0 UJ	1.0 UJ	10 U	10 U	10 U	10 U	10 U	1.0 UJ	1 U	1 U	1 U
Trichloroethene	5	5	5	0.49	69 J	71 J	210	210	280	210	160	130 J	0.17 J	1 U	1 U
Vinyl Acetate	420	1800		410											
Vinyl Chloride	2	2	2	0.019	1.0 UJ	1.0 UJ	10 U	10 U	10 U	10 U	10 U	1.0 UJ	1 U	1 U	1 U
VOC Library Search															
Xylenes (Total)	10000	10000	10000	190	3.0 UJ	3.0 UJ	30 U	30 U	30 U	30 U	30 U	3.0 UJ	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.

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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-142D 9/10/2013	MW-142D 10/13/2014	MW-142S 11/12/2012	MW-142S Dup 11/12/2012	MW-142S 2/7/2013	MW-142S 5/30/2013	MW-142S 9/10/2013	MW-142S 10/13/2014	MW-143D 11/13/2012	MW-143D 2/7/2013	MW-143D 5/31/2013
TOTAL VOC															
Total VOC					5.39	206.2	1.01	1.1	1.21	1.82	1.25	201.6	0	0	0
Volatile Organic Compound															
1,1,1,2-Tetrachloroethane	70	70		0.57	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U
1,1,1-Trichloroethane	200	200	200	8000	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 UJ
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.28	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1100											
1,1,2-Trichlorotrifluoroethane	63000	170000		55000											
1,1-Dichloroethane	31	160		2.7	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	280	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 UJ
1,2,4-Trimethylbenzene	15	62		15											
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U
1,2-Dichloroethane	5	5	5	0.17	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70												
1,2-Dichloropropane	5	5	5	0.44	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	13	53		120											
1,3-Dichlorobenzene	600	600													
1,3-Dichloropropene	6.6	26		0.47											
1,4-Dioxane	6.4	32		0.78	200 U	R	200 U	200 U	200 U	200 U	200 U	R	200 U	200 U	200 U
2-Butanone	4000	4000		5600	5 U	5.0 U	5 U	5 U	5 U	5 U	5 U	5.0 U	5 U	5 U	5 UJ
2-Chloroethyl Vinyl Ether															
2-Hexanone	11	44		38	5 U	5.0 U	5 U	5 U	5 U	5 U	5 U	5.0 U	5 U	5 U	5 UJ
4-Methyl-2-Pentanone	2900	8200		1200	5 U	5.0 U	5 U	5 U	5 U	5 U	5 U	5.0 U	5 U	5 U	5 UJ
Acetone	33000	92000		14000	5 U	5.0 U	5 U	5 U	5 U	5 U	5 U	5.0 U	5 U	5 U	5 UJ
Acrolein	0.042	0.18		0.042											
Acrylonitrile	0.72	3.7		0.052	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Benzene	5	5	5	0.45	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U
Bromochloromethane	90	90		83	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U
Bromodichloromethane	80	80		0.13	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U
Bromoform	80	80		9.2	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U
Bromomethane	10	10		7.5	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U
Carbon Disulfide	1500	6200		810	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 UJ
Carbon Tetrachloride	5	5	5	0.45	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 UJ
Chlorobenzene	100	100	100	78	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.17	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U
Chloroethane	230	900		21000	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U
Chloroform	80	80		0.22	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U
Chloromethane				190	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	70	70	70	36	5.1	6.2	0.75 J	0.82 J	0.85 J	1.5	1.1	1.6	1 U	1 U	1 U
cis-1,3-Dichloropropene	6.6	26		0.47	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U
Isopropylbenzene	840	3500		450											
Methyl tert-butyl ether	20	20		14	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 UJ
Methylene chloride	5	5		11	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 UJ

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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-142D 9/10/2013	MW-142D 10/13/2014	MW-142S 11/12/2012	MW-142S Dup 11/12/2012	MW-142S 2/7/2013	MW-142S 5/30/2013	MW-142S 9/10/2013	MW-142S 10/13/2014	MW-143D 11/13/2012	MW-143D 2/7/2013	MW-143D 5/31/2013
Naphthalene	100	100		0.17											
Petroleum Hydrocarbons (TPH)				60000											
P-Xylene	10000	10000	10000	190											
Styrene	100	100	100	1200	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U
Tetrachloroethene	5	5	5	11	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U
Toluene	1000	1000	1000	1100	0.29 J	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	100	100	100	360	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 UJ
trans-1,3-Dichloropropene	6.6	26		0.47	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U
Trichloroethene	5	5	5	0.49	1 U	1.0 U	0.26 J	0.28 J	0.36 J	0.32 J	0.15 J	1.0 U	1 U	1 U	1 U
Vinyl Acetate	420	1800		410											
Vinyl Chloride	2	2	2	0.019	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U
VOC Library Search															
Xylenes (Total)	10000	10000	10000	190	3 U	3.0 U	3 U	3 U	3 U	3 U	3 U	3.0 U	3 U	3 U	3 U

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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-143D 9/9/2013	MW-143D 10/13/2014	MW-143S 11/13/2012	MW-143S 2/7/2013	MW-143S 5/30/2013	MW-143S 9/9/2013	MW-143S 10/15/2014	CW-1 5/27/1988	CW-1 11/14/1990	CW-1 11/15/1990	CW-1 12/5/1990
TOTAL VOC															
Total VOC					0.25	200.34	2.81	2.18	2.67	4.1	2.74	395	1	28	40
Volatile Organic Compound															
1,1,1,2-Tetrachloroethane	70	70		0.57	1 U	1.0 U	1 U	1 U	1 U	1 U	1.0 U				
1,1,1-Trichloroethane	200	200	200	8000	1 U	1.0 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1 U	1.0 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.28	1 U	1.0 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1100								1 U	1 U	1 U	1 U
1,1,2-Trichlorotrifluoroethane	63000	170000		55000											
1,1-Dichloroethane	31	160		2.7	1 U	1.0 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	280	1 U	1.0 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	15	62		15											
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	1 U	1.0 U	1 U	1 U	1 U	1 U	1.0 U				
1,2-Dichloroethane	5	5	5	0.17	1 U	1.0 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70												
1,2-Dichloropropane	5	5	5	0.44	1 U	1.0 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	13	53		120											
1,3-Dichlorobenzene	600	600													
1,3-Dichloropropene	6.6	26		0.47											
1,4-Dioxane	6.4	32		0.78	200 U	R	200 U	200 U	200 U	200 U	200 U				
2-Butanone	4000	4000		5600	5 U	5.0 U	5 U	5 U	5 U	5 U	5.0 U				
2-Chloroethyl Vinyl Ether												10 U	10 U	10 U	10 U
2-Hexanone	11	44		38	5 U	5.0 U	5 U	5 U	5 U	5 U	5.0 U				
4-Methyl-2-Pentanone	2900	8200		1200	5 U	5.0 U	5 U	5 U	5 U	5 U	5.0 U				
Acetone	33000	92000		14000	5 U	5.0 U	5 U	5 U	5 U	5 U	5.0 U				
Acrolein	0.042	0.18		0.042											
Acrylonitrile	0.72	3.7		0.052	20 U	20 U	20 U	20 U	20 U	20 U	20 U				
Benzene	5	5	5	0.45	1 U	1.0 U	1 U	1 U	1 U	1 U	1.0 U	10 U	2 U	2 U	2 U
Bromochloromethane	90	90		83	1 U	1.0 U	1 U	1 U	1 U	1 U	1.0 U				
Bromodichloromethane	80	80		0.13	1 U	1.0 U	1 U	1 U	1 U	1 U	1.0 U				
Bromoform	80	80		9.2	1 U	1.0 U	1 U	1 U	1 U	1 U	1.0 U	2 U	2 U	2 U	2 U
Bromomethane	10	10		7.5	1 U	1.0 U	1 U	1 U	1 U	1 U	1.0 U	5 U	5 U	5 U	5 U
Carbon Disulfide	1500	6200		810	1 U	1.0 U	1 U	1 U	1 U	1 U	1.0 U				
Carbon Tetrachloride	5	5	5	0.45	1 U	1.0 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	78	1 U	1.0 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.17	1 U	1.0 U	1 U	1 U	1 U	1 U	1.0 U	2 U	2 U	2 U	2 U
Chloroethane	230	900		21000	1 U	1.0 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U
Chloroform	80	80		0.22	1 U	1.0 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U
Chloromethane				190	1 U	1.0 U	1 U	1 U	1 U	1 U	1.0 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	36	0.25 J	0.34 J	1 U	1 U	1 U	1 U	1.0 U	6	1 U	1 U	1 U
cis-1,3-Dichloropropene	6.6	26		0.47	1 U	1.0 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	1 U	1.0 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U
Isopropylbenzene	840	3500		450											
Methyl tert-butyl ether	20	20		14	1 U	1.0 U	1 U	1 U	1 U	1 U	1.0 U				
Methylene chloride	5	5		11	1 U	1.0 U	1 U	1 U	1 U	1 U	1.0 U	2 U	2 U	2 U	2 U

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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-143D 9/9/2013	MW-143D 10/13/2014	MW-143S 11/13/2012	MW-143S 2/7/2013	MW-143S 5/30/2013	MW-143S 9/9/2013	MW-143S 10/15/2014	CW-1 5/27/1988	CW-1 11/14/1990	CW-1 11/15/1990	CW-1 12/5/1990
Naphthalene	100	100		0.17											
Petroleum Hydrocarbons (TPH)				60000											
P-Xylene	10000	10000	10000	190											
Styrene	100	100	100	1200	1 U	1.0 U	1 U	1 U	1 U	1 U	1.0 U				
Tetrachloroethene	5	5	5	11	1 U	1.0 U	0.81 J	0.78 J	0.77 J	1.1	0.84 J	1 U	1 U	1 U	1 U
Toluene	1000	1000	1000	1100	1 U	1.0 U	1 U	1 U	1 U	1 U	1.0 U	2 U	2 U	2 U	2 U
trans-1,2-Dichloroethene	100	100	100	360	1 U	1.0 U	1 U	1 U	1 U	1 U	1.0 U				
trans-1,3-Dichloropropene	6.6	26		0.47	1 U	1.0 U	1 U	1 U	1 U	1 U	1.0 U				
Trichloroethene	5	5	5	0.49	1 U	1.0 U	2	1.4	1.9	3	1.9	389	1	28	40
Vinyl Acetate	420	1800		410											
Vinyl Chloride	2	2	2	0.019	1 U	1.0 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U
VOC Library Search															
Xylenes (Total)	10000	10000	10000	190	3 U	3.0 U	3 U	3 U	3 U	3 U	3.0 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.

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-1 1/14/1991	CW-1 2/7/1991	CW-1 3/6/1991	CW-1 4/24/1991	CW-1 1/30/1992	CW-1 6/11/1992	CW-1 9/24/1992	CW-1 12/18/1992	CW-1 6/21/1993	CW-1 8/30/1993	CW-1 12/1/1993	CW-1 1/26/1994
TOTAL VOC																
Total VOC					54	75	75	90	88	193	153	65	160	28	70	133
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.57												
1,1,1-Trichloroethane	200	200	200	8000	1 U	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U			1 U
1,1,2-Trichloroethane	5	5	5	0.28	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U			1 U
1,1,2-Trichlorofluoromethane	2000	2000		1100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U				
1,1,2-Trichlorotrifluoroethane	63000	170000		55000												
1,1-Dichloroethane	31	160		2.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	280	1 U	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0075												
1,2-Dichloroethane	5	5	5	0.17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70													
1,2-Dichloropropane	5	5	5	0.44	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U			1 U
1,3,5-Trimethylbenzene	13	53		120												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.47												
1,4-Dioxane	6.4	32		0.78												
2-Butanone	4000	4000		5600									10 U			10 U
2-Chloroethyl Vinyl Ether					10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 U
2-Hexanone	11	44		38												10 U
4-Methyl-2-Pentanone	2900	8200		1200									10 U			10 U
Acetone	33000	92000		14000									10 U			10 U
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.052												
Benzene	5	5	5	0.45	2 U	5 U	2 U	5 U	2 U	2 U	5 U	2 U	1 U			1 U
Bromochloromethane	90	90		83												
Bromodichloromethane	80	80		0.13									1 U			1 U
Bromoform	80	80		9.2	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U			1 U
Bromomethane	10	10		7.5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 U			2 U
Carbon Disulfide	1500	6200		810									1 U			1 U
Carbon Tetrachloride	5	5	5	0.45	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U			1 U
Chlorobenzene	100	100	100	78	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.17	2 U	2 U	2 U	2 U	2 U	2 U	10 U	2 U	1 U			1 U
Chloroethane	230	900		21000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U			2 U
Chloroform	80	80		0.22	1 U	1 U	1 U	1 U	1 U	3	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane				190	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 U			2 U
cis-1,2-Dichloroethene	70	70	70	36	1 U	1	1	2	8	1 U	3	4	1 U	1 U	1 U	3
cis-1,3-Dichloropropene	6.6	26		0.47	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U			1 U
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U			1 U
Isopropylbenzene	840	3500		450												
Methyl tert-butyl ether	20	20		14												
Methylene chloride	5	5		11	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U			2 U

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-1 1/14/1991	CW-1 2/7/1991	CW-1 3/6/1991	CW-1 4/24/1991	CW-1 1/30/1992	CW-1 6/11/1992	CW-1 9/24/1992	CW-1 12/18/1992	CW-1 6/21/1993	CW-1 8/30/1993	CW-1 12/1/1993	CW-1 1/26/1994
Naphthalene	100	100		0.17												
Petroleum Hydrocarbons (TPH)				60000												
P-Xylene	10000	10000	10000	190												
Styrene	100	100	100	1200									1 U			1 U
Tetrachloroethene	5	5	5	11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	1000	1000	1000	1100	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U			1 U
trans-1,2-Dichloroethene	100	100	100	360												
trans-1,3-Dichloropropene	6.6	26		0.47												
Trichloroethene	5	5	5	0.49	54	74	74	84	80	190	150	61	160	28	70	130
Vinyl Acetate	420	1800		410									10 U			10 U
Vinyl Chloride	2	2	2	0.019	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U	2 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	190									5 U			5 U

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Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-1 4/5/1994	CW-1 7/11/1994	CW-1 12/15/1994	CW-1 6/2/1995	CW-1 12/7/1995	CW-1 6/6/1996	CW-1 12/2/1996	CW-1 6/4/1997	CW-1 12/1/1998	CW-1 6/8/1999	CW-1 12/22/1999	CW-1 6/2/2000
TOTAL VOC																
Total VOC					152	58	124	152	143	132	110	110	95.7	105.8	118.2	126.5
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.57												
1,1,1-Trichloroethane	200	200	200	8000	1 U	1 U					10 U	5 U	0 U	0 U	0 U	0 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076		1 U					10 U	5 U				
1,1,2-Trichloroethane	5	5	5	0.28		1 U					10 U	5 U	0 U	0 U	0 U	0 U
1,1,2-Trichlorofluoromethane	2000	2000		1100												
1,1,2-Trichlorotrifluoroethane	63000	170000		55000												
1,1-Dichloroethane	31	160		2.7	1 U	1 U					10 U	5 U	0 U	0 U	0 U	0 U
1,1-Dichloroethene	7	7	7	280	1 U	1 U					10 U	5 U	0 U	0 U	0 U	0 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0075												
1,2-Dichloroethane	5	5	5	0.17	1 U	1 U					10 U	5 U	0 U	0 U	0 U	0 U
1,2-Dichloroethene	70	70	70				4	2	3	2						
1,2-Dichloropropane	5	5	5	0.44		1 U					10 U	5 U				
1,3,5-Trimethylbenzene	13	53		120												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.47							10 U	5 U				
1,4-Dioxane	6.4	32		0.78												
2-Butanone	4000	4000		5600		10 U										
2-Chloroethyl Vinyl Ether						10 U					100 U	50 U				
2-Hexanone	11	44		38		10 U										
4-Methyl-2-Pentanone	2900	8200		1200		10 U										
Acetone	33000	92000		14000		10 U										
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.052												
Benzene	5	5	5	0.45		1 U					20 U	10 U	0 U	0 U	0 U	0 U
Bromochloromethane	90	90		83												
Bromodichloromethane	80	80		0.13		1 U					20 U	10 U	0 U	0 U	0 U	0 U
Bromoform	80	80		9.2		1 U					20 U	10 U				
Bromomethane	10	10		7.5		2 U					50 U	25 U				
Carbon Disulfide	1500	6200		810		1 U										
Carbon Tetrachloride	5	5	5	0.45		1 U					10 U	5 U	0 U	0 U	0 U	0 U
Chlorobenzene	100	100	100	78	1 U	1 U					10 U	5 U	0 U	0 U	0 U	0 U
Chlorodibromomethane	80	80		0.17		1 U					20 U	10 U				
Chloroethane	230	900		21000		2 U					10 U	5 U	0 U	0 U	0 U	0 U
Chloroform	80	80		0.22	1 U	1 U					10 U	5 U	0 U	0 U	0 U	0 U
Chloromethane				190		2 U					50 U	25 U				
cis-1,2-Dichloroethene	70	70	70	36	2	1							4.7	5.8	8.2	7.5
cis-1,3-Dichloropropene	6.6	26		0.47		1 U										
Ethylbenzene	700	700	700	1.5		1 U					10 U	5 U	0 U	0 U	0 U	0 U
Isopropylbenzene	840	3500		450												
Methyl tert-butyl ether	20	20		14												
Methylene chloride	5	5		11		2 U					20 U	10 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.

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-1 4/5/1994	CW-1 7/11/1994	CW-1 12/15/1994	CW-1 6/2/1995	CW-1 12/7/1995	CW-1 6/6/1996	CW-1 12/2/1996	CW-1 6/4/1997	CW-1 12/1/1998	CW-1 6/8/1999	CW-1 12/22/1999	CW-1 6/2/2000
Naphthalene	100	100		0.17												
Petroleum Hydrocarbons (TPH)				60000												
P-Xylene	10000	10000	10000	190												
Styrene	100	100	100	1200		1 U										
Tetrachloroethene	5	5	5	11	1 U	1 U					10 U	5 U	0 U	0 U	0 U	0 U
Toluene	1000	1000	1000	1100		1 U					20 U	10 U	0 U	0 U	0 U	0 U
trans-1,2-Dichloroethene	100	100	100	360		1 U					10 U	5 U	0 U	0 U	0 U	0 U
trans-1,3-Dichloropropene	6.6	26		0.47		1 U										
Trichloroethene	5	5	5	0.49	150	57	120	150	140	130	110	110	91	100	110	119
Vinyl Acetate	420	1800		410		10 U										
Vinyl Chloride	2	2	2	0.019	1 U	2 U					10 U	5 U	0 U	0 U	0 U	0 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	190		5 U										

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Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-1 12/1/2000	CW-1 6/8/2001	CW-1 12/7/2001	CW-1 6/14/2002	CW-1 12/6/2002	CW-1 6/9/2003	CW-1 12/5/2003	CW-1 6/4/2004	CW-1 12/10/2004	CW-1 6/13/2005	CW-1 12/9/2005	CW-1 6/20/2006
TOTAL VOC																
Total VOC					102.2	121.9	71.5	118.6	112.7	112	133	106	89	57.1	94.7	0
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.57												
1,1,1-Trichloroethane	200	200	200	8000	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U	2 U	5 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076								1 U	1 U	1 U	2 U	5 U
1,1,2-Trichloroethane	5	5	5	0.28	0 U	0 U	0 U	0 U	0 U	0 U	0 U	3 U	3 U	3 U	2 U	5 U
1,1,2-Trichlorofluoromethane	2000	2000		1100												
1,1,2-Trichlorotrifluoroethane	63000	170000		55000												
1,1-Dichloroethane	31	160		2.7	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U	2 U	5 U
1,1-Dichloroethene	7	7	7	280	0 U	0 U	0 U	0 U	0 U	0 U	0 U	2 U	2 U	2 U	2 U	5 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0075												
1,2-Dichloroethane	5	5	5	0.17	0 U	0 U	0 U	0 U	0 U	0 U	0 U	2 U	2 U	2 U	2 U	5 U
1,2-Dichloroethene	70	70	70													
1,2-Dichloropropane	5	5	5	0.44								1 U	1 U	1 U	2 U	5 U
1,3,5-Trimethylbenzene	13	53		120												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.47												
1,4-Dioxane	6.4	32		0.78								1000 U	1000 U	1000 U	400 U	1000 U
2-Butanone	4000	4000		5600								5 U	5 U	5 U	10 U	5 U
2-Chloroethyl Vinyl Ether												5 U	5 U	5 U	4 U	10 U
2-Hexanone	11	44		38												
4-Methyl-2-Pentanone	2900	8200		1200												
Acetone	33000	92000		14000				0 U								
Acrolein	0.042	0.18		0.042								100 U	100 U	100 U	40 U	100 U
Acrylonitrile	0.72	3.7		0.052								50 U	50 U	50 U	40 U	100 U
Benzene	5	5	5	0.45	0 U	0 U	0 U	0 U	0 U	0 U	0 U	1 U	1 U	1 U	2 U	5 U
Bromochloromethane	90	90		83												
Bromodichloromethane	80	80		0.13	0 U	0 U	0 U	0 U	0 U	0 U	0 U	1 U	1 U	1 U	2 U	5 U
Bromoform	80	80		9.2								4 U	4 U	4 U	2 U	5 U
Bromomethane	10	10		7.5								5 U	5 U	5 U	2 U	5 U
Carbon Disulfide	1500	6200		810				0 U								
Carbon Tetrachloride	5	5	5	0.45	0 U	0 U	0 U	0 U	0 U	0 U	0 U	2 U	2 U	2 U	2 U	5 U
Chlorobenzene	100	100	100	78	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U	2 U	5 U
Chlorodibromomethane	80	80		0.17								5 U	5 U	5 U	2 U	5 U
Chloroethane	230	900		21000	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U	2 U	5 U
Chloroform	80	80		0.22	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U	2 U	5 U
Chloromethane				190								5 U	5 U	5 U	9.7	5 U
cis-1,2-Dichloroethene	70	70	70	36	7.2	8.9	5.5	8.6	9.7			16	11	8.1	15	5 U
cis-1,3-Dichloropropene	6.6	26		0.47								5 U	5 U	5 U	2 U	5 U
Ethylbenzene	700	700	700	1.5	0 U	0 U	0 U	0 U	0 U	0 U	0 U	4 U	4 U	4 U	2 U	5 U
Isopropylbenzene	840	3500		450												
Methyl tert-butyl ether	20	20		14												
Methylene chloride	5	5		11	0 U	0 U	0 U	0 U	0 U	0 U	0 U	3 U	3 U	3 U	2 U	5 U

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-1 12/1/2000	CW-1 6/8/2001	CW-1 12/7/2001	CW-1 6/14/2002	CW-1 12/6/2002	CW-1 6/9/2003	CW-1 12/5/2003	CW-1 6/4/2004	CW-1 12/10/2004	CW-1 6/13/2005	CW-1 12/9/2005	CW-1 6/20/2006
Naphthalene	100	100		0.17												
Petroleum Hydrocarbons (TPH)				60000												
P-Xylene	10000	10000	10000	190												
Styrene	100	100	100	1200												
Tetrachloroethene	5	5	5	11	0 U	0 U	0 U	0 U	0 U	0 U	0 U	1 U	1 U	1 U	2 U	5 U
Toluene	1000	1000	1000	1100	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U	2 U	5 U
trans-1,2-Dichloroethene	100	100	100	360	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U	2 U	5 U
trans-1,3-Dichloropropene	6.6	26		0.47								5 U	5 U	5 U	2 U	5 U
Trichloroethene	5	5	5	0.49	95	113	66	110	103	112	133	90	78	49	70	5 U
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.019	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U	2 U	5 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	190				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.

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-1 6/19/2007	CW-1 328.93 12/12/2007	CW-1 492.92 12/12/2007	CW-1 5/6/2008	CW-1 10/9/2008	CW-1 6/15/2009	CW-1 12/16/2009	CW-1 7/7/2010	CW-1 12/21/2010	CW-1 6/22/2011	CW-1 12/14/2011
TOTAL VOC															
Total VOC					0	0	118	75	61.03	78	50.4	49.92	52.5	54	45
Volatile Organic Compound															
1,1,1,2-Tetrachloroethane	70	70		0.57				2 U	2 U	2 U	2 U	1 U	2 U	2 U	1 U
1,1,1-Trichloroethane	200	200	200	8000	5 U		5 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	5 U		5 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	1 U
1,1,2-Trichloroethane	5	5	5	0.28	5 U		5 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1100											
1,1,2-Trichlorotrifluoroethane	63000	170000		55000											
1,1-Dichloroethane	31	160		2.7	5 U		5 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	1 UJ
1,1-Dichloroethene	7	7	7	280	5 U		5 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	1 U
1,2,4-Trimethylbenzene	15	62		15											
1,2-Dibromoethane	0.05	0.05	0.05	0.0075				2 U	2 U	2 U	2 U	1 U	2 U	2 U	1 U
1,2-Dichloroethane	5	5	5	0.17	5 U		5 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	1 UJ
1,2-Dichloroethene	70	70	70												
1,2-Dichloropropane	5	5	5	0.44	5 U		5 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	1 UJ
1,3,5-Trimethylbenzene	13	53		120											
1,3-Dichlorobenzene	600	600													
1,3-Dichloropropene	6.6	26		0.47											
1,4-Dioxane	6.4	32		0.78	1000 U		1000 U	400 U	400 U	400 U	400 U	200 U	400 U	400 U	200 U
2-Butanone	4000	4000		5600	5 U		5 U	20 U	20 U	20 U	20 U	10 U	20 U	10 U	5 U
2-Chloroethyl Vinyl Ether					10 U		10 U								
2-Hexanone	11	44		38				20 U	20 U	20 U	20 U	10 U	20 U	10 U	5 U
4-Methyl-2-Pentanone	2900	8200		1200				20 U	20 U	20 U	20 U	10 U	20 U	10 U	5 U
Acetone	33000	92000		14000				20 U	20 U	20 U	20 U	10 U	20 U	10 U	5 UJ
Acrolein	0.042	0.18		0.042	100 U		100 U								
Acrylonitrile	0.72	3.7		0.052	100 U		100 U	40 U	40 U	40 U	40 U	20 U	40 U	40 U	20 U
Benzene	5	5	5	0.45	5 U		5 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	1 U
Bromochloromethane	90	90		83				2 U	2 U	2 U	2 U	1 U	2 U	2 U	1 U
Bromodichloromethane	80	80		0.13	5 U		5 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	1 U
Bromoform	80	80		9.2	5 U		5 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	1 U
Bromomethane	10	10		7.5	5 U		5 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	1 U
Carbon Disulfide	1500	6200		810				2 U	0.63 J	2 U	2 U	0.47 J	2 U	2 U	1 U
Carbon Tetrachloride	5	5	5	0.45	5 U		5 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	1 U
Chlorobenzene	100	100	100	78	5 U		5 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	1 U
Chlorodibromomethane	80	80		0.17	5 U		5 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	1 U
Chloroethane	230	900		21000	5 U		5 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	1 U
Chloroform	80	80		0.22	5 U		5 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	1 U
Chloromethane				190	5 U		5 U	2 U	2 U	2 U	2 U	0.45 J	2 U	2 U	1 U
cis-1,2-Dichloroethene	70	70	70	36	5 U		18	12	9.4	12	9.4	11	9.5	11	12
cis-1,3-Dichloropropene	6.6	26		0.47	5 U		5 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	1 U
Ethylbenzene	700	700	700	1.5	5 U		5 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	1 U
Isopropylbenzene	840	3500		450											
Methyl tert-butyl ether	20	20		14				2 U	2 U	2 U	2 U	1 U	2 U	2 U	1 U
Methylene chloride	5	5		11	5 U		5 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	1 U

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Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-1 6/19/2007	CW-1 328.93 12/12/2007	CW-1 492.92 12/12/2007	CW-1 5/6/2008	CW-1 10/9/2008	CW-1 6/15/2009	CW-1 12/16/2009	CW-1 7/7/2010	CW-1 12/21/2010	CW-1 6/22/2011	CW-1 12/14/2011
Naphthalene	100	100		0.17											
Petroleum Hydrocarbons (TPH)				60000											
P-Xylene	10000	10000	10000	190											
Styrene	100	100	100	1200				2 U	2 U	2 U	2 U	1 U	2 U	2 U	1 U
Tetrachloroethene	5	5	5	11	5 U		5 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	1 U
Toluene	1000	1000	1000	1100	5 U		5 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	1 U
trans-1,2-Dichloroethene	100	100	100	360	5 U		5 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.47	5 U		5 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	1 U
Trichloroethene	5	5	5	0.49	5 U		100	63	51	66	41	38	43	43	33
Vinyl Acetate	420	1800		410											
Vinyl Chloride	2	2	2	0.019	5 U	5 U		2 U	2 U	2 U	2 U	1 U	2 U	2 U	1 U
VOC Library Search															
Xylenes (Total)	10000	10000	10000	190				6 U	6 U	6 U	6 U	3 U	6 U	6 U	3 U

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Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-1 6/18/2012	CW-1 12/10/2012	CW-1 5/29/2013	CW-1 9/16/2013	CW-1 10/13/2014	CW-1A 6/9/1988	CW-1A 11/13/1990	CW-1A 11/15/1990	CW-1A 12/5/1990	CW-1A 1/14/1991	CW-1A 2/7/1991	CW-1A 3/6/1991
TOTAL VOC																
Total VOC					41.88	47	44	15	203.6	3264	1120	2037	3541	2738	2742	2748
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.57	1 U	1 U	1 U	1 U	1.0 U							
1,1,1-Trichloroethane	200	200	200	8000	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1	1	1 U	2	2 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	5 U	2 U	2 U
1,1,2-Trichloroethane	5	5	5	0.28	1 U	1 U	1 U	1 U	1.0 U	20 U	50 U	50 U	1 U	1 U	1 U	10 U
1,1,2-Trichlorofluoromethane	2000	2000		1100						1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorotrifluoroethane	63000	170000		55000												
1,1-Dichloroethane	31	160		2.7	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	280	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	1 U	1 U	1 U	1 U	1.0 U							
1,2-Dichloroethane	5	5	5	0.17	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70													
1,2-Dichloropropane	5	5	5	0.44	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	13	53		120												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.47												
1,4-Dioxane	6.4	32		0.78	200 U	200 U	200 U	200 U	R							
2-Butanone	4000	4000		5600	5 U	5 U	5 U	5 U	5.0 U							
2-Chloroethyl Vinyl Ether										10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	11	44		38	5 U	5 U	5 U	5 U	5.0 U							
4-Methyl-2-Pentanone	2900	8200		1200	5 U	5 U	5 U	5 U	5.0 U							
Acetone	33000	92000		14000	5 U	5 U	5 U	5 U	5.0 U							
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.052	20 U	20 U	20 U	20 U	20 U							
Benzene	5	5	5	0.45	1 U	1 U	1 U	1 U	1.0 U	200 U	50 U	100 U	200 U	100 U	200 U	100 U
Bromochloromethane	90	90		83	1 U	1 U	1 U	1 U	1.0 U							
Bromodichloromethane	80	80		0.13	1 U	1 U	1 U	1 U	1.0 U							
Bromoform	80	80		9.2	1 U	1 U	1 U	1 U	1.0 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bromomethane	10	10		7.5	1 U	1 U	1 U	1 U	1.0 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Disulfide	1500	6200		810	1 U	1 U	1 U	1 U	1.0 U							
Carbon Tetrachloride	5	5	5	0.45	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	78	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.17	1 U	1 U	1 U	1 U	1.0 U	2 U	100 U	100 U	100 U	2 U	2 U	20 U
Chloroethane	230	900		21000	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	80	80		0.22	1 U	1 U	1 U	1 U	1.0 U	1	1 U	1 U	1	1 U	2	2
Chloromethane				190	1 U	1 U	1 U	1 U	1.0 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	36	9.2	12	11	5.6	1.8	13	18	34	37	32	33	39
cis-1,3-Dichloropropene	6.6	26		0.47	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	840	3500		450												
Methyl tert-butyl ether	20	20		14	1 U	1 U	1 U	1 U	1.0 U							
Methylene chloride	5	5		11	1 U	1 U	1 U	1 U	1.0 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

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Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-1 6/18/2012	CW-1 12/10/2012	CW-1 5/29/2013	CW-1 9/16/2013	CW-1 10/13/2014	CW-1A 6/9/1988	CW-1A 11/13/1990	CW-1A 11/15/1990	CW-1A 12/5/1990	CW-1A 1/14/1991	CW-1A 2/7/1991	CW-1A 3/6/1991
Naphthalene	100	100		0.17												
Petroleum Hydrocarbons (TPH)				60000												
P-Xylene	10000	10000	10000	190												
Styrene	100	100	100	1200	1 U	1 U	1 U	1 U	1.0 U							
Tetrachloroethene	5	5	5	11	0.19 J	1 U	1 U	1 U	1.0 U	2	2	2	2	6	5	7
Toluene	1000	1000	1000	1100	0.49 J	1 U	1 U	1 U	1.0 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
trans-1,2-Dichloroethene	100	100	100	360	1 U	1 U	1 U	1 U	1.0 U							
trans-1,3-Dichloropropene	6.6	26		0.47	1 U	1 U	1 U	1 U	1.0 U							
Trichloroethene	5	5	5	0.49	32	35	33	9.4	1.8	3248	1100	2000	3500	2700	2700	2700
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.019	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	190	3 U	3 U	3 U	3 U	3.0 U							

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Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-1A 4/24/1991	CW-1A 1/30/1992	CW-1A 6/11/1992	CW-1A 9/24/1992	CW-1A 12/18/1992	CW-1A 6/21/1993	CW-1A 8/30/1993	CW-1A 12/1/1993	CW-1A 1/26/1994	CW-1A 4/5/1994	CW-1A 7/11/1994	CW-1A 12/15/1994
TOTAL VOC																
Total VOC					2441	1738	2139	924	1428	914	899	681	510	970	320	535
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.57												
1,1,1-Trichloroethane	200	200	200	8000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	10 U	
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	5 U	1 U	2 U	2 U	2 U	1 U			5 U		10 U	
1,1,2-Trichloroethane	5	5	5	0.28	20 U	20 U	20 U	10 U	20 U	1 U			5 U		10 U	
1,1,2-Trichlorofluoromethane	2000	2000		1100	1 U	1 U	1 U	1 U	1 U							
1,1,2-Trichlorotrifluoroethane	63000	170000		55000												
1,1-Dichloroethane	31	160		2.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	10 U	
1,1-Dichloroethene	7	7	7	280	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	10 U	
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0075												
1,2-Dichloroethane	5	5	5	0.17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	10 U	
1,2-Dichloroethene	70	70	70													6
1,2-Dichloropropane	5	5	5	0.44	1 U	1 U	1 U	1 U	1 U	1 U			5 U		10 U	
1,3,5-Trimethylbenzene	13	53		120												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.47												
1,4-Dioxane	6.4	32		0.78												
2-Butanone	4000	4000		5600						10 U			50 U		100 U	
2-Chloroethyl Vinyl Ether					10 U	10 U	10 U	10 U	10 U	10 U			50 U		100 U	
2-Hexanone	11	44		38						10 U			50 U		100 U	
4-Methyl-2-Pentanone	2900	8200		1200						10 U			50 U		100 U	
Acetone	33000	92000		14000						10 U			50 U		100 U	
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.052												
Benzene	5	5	5	0.45	100 U	50 U	50 U	20 U	50 U	1 U			5 U		10 U	
Bromochloromethane	90	90		83												
Bromodichloromethane	80	80		0.13									5 U		10 U	
Bromoform	80	80		9.2	2 U	2 U	2 U	2 U	2 U	1 U			5 U		10 U	
Bromomethane	10	10		7.5	5 U	5 U	5 U	5 U	5 U	2 U			10 U		20 U	
Carbon Disulfide	1500	6200		810						1 U			5 U		10 U	
Carbon Tetrachloride	5	5	5	0.45	1 U	1 U	1 U	1 U	1 U	1 U			5 U		10 U	
Chlorobenzene	100	100	100	78	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	10 U	
Chlorodibromomethane	80	80		0.17	50 U	50 U	50 U	20 U	50 U	1 U			5 U		10 U	
Chloroethane	230	900		21000	1 U	1 U	1 U	1 U	1 U	2 U			10 U		20 U	
Chloroform	80	80		0.22	1	1 U	1	2	4	2	3	6	5 U	2	10 U	5
Chloromethane				190	5 U	5 U	5 U	5 U	5 U	2 U			10 U		20 U	
cis-1,2-Dichloroethene	70	70	70	36	32	34	31	9	18	16	10	10	5 U	12	10 U	
cis-1,3-Dichloropropene	6.6	26		0.47	1 U	1 U	1 U	1 U	1 U	1 U			5 U		10 U	
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	1 U	1 U	1 U			5 U		10 U	
Isopropylbenzene	840	3500		450												
Methyl tert-butyl ether	20	20		14												
Methylene chloride	5	5		11	2 U	2 U	2 U	2 U	2 U	2 U			10 U		20 U	

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Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-1A 4/24/1991	CW-1A 1/30/1992	CW-1A 6/11/1992	CW-1A 9/24/1992	CW-1A 12/18/1992	CW-1A 6/21/1993	CW-1A 8/30/1993	CW-1A 12/1/1993	CW-1A 1/26/1994	CW-1A 4/5/1994	CW-1A 7/11/1994	CW-1A 12/15/1994
Naphthalene	100	100		0.17												
Petroleum Hydrocarbons (TPH)				60000												
P-Xylene	10000	10000	10000	190												
Styrene	100	100	100	1200						1 U			5 U		10 U	
Tetrachloroethene	5	5	5	11	8	4	7	3	6	6	6	5	5 U	6	10 U	4
Toluene	1000	1000	1000	1100	2 U	2 U	2 U	2 U	2 U	1 U			5 U		10 U	
trans-1,2-Dichloroethene	100	100	100	360						1 U						
trans-1,3-Dichloropropene	6.6	26		0.47												
Trichloroethene	5	5	5	0.49	2400	1700	2100	910	1400	890	880	660	510	950	320	520
Vinyl Acetate	420	1800		410						10 U			50 U		100 U	
Vinyl Chloride	2	2	2	0.019	5 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U	10 U		20 U	
VOC Library Search																
Xylenes (Total)	10000	10000	10000	190						5 U			25 U		50 U	

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-1A 6/2/1995	CW-1A 12/7/1995	CW-1A 6/6/1996	CW-1A 12/2/1996	CW-1A 6/4/1997	CW-1A Dup 6/4/1997	CW-1A 12/1/1998	CW-1A 6/8/1999	CW-1A 12/22/1999	CW-1A 6/2/2000	CW-1A 12/1/2000	CW-1A 6/8/2001
TOTAL VOC																
Total VOC					610	578	273	190	400	400	606.3	378.7	350	492.4	509	365
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.57												
1,1,1-Trichloroethane	200	200	200	8000				10 U	10 U	10 U	0 U	0 U	0 U	0 U	0 U	0 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076				10 U	10 U	10 U						
1,1,2-Trichloroethane	5	5	5	0.28				10 U	10 U	10 U	0 U	0 U	0 U	0 U	0 U	0 U
1,1,2-Trichlorofluoromethane	2000	2000		1100												
1,1,2-Trichlorotrifluoroethane	63000	170000		55000												
1,1-Dichloroethane	31	160		2.7				10 U	10 U	10 U	0 U	0 U	0 U	0 U	0 U	0 U
1,1-Dichloroethene	7	7	7	280				10 U	10 U	10 U	0 U	0 U	0 U	0 U	0 U	0 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0075												
1,2-Dichloroethane	5	5	5	0.17				10 U	10 U	10 U	0 U	0 U	0 U	0 U	0 U	0 U
1,2-Dichloroethene	70	70	70		4	6	1									
1,2-Dichloropropane	5	5	5	0.44				10 U	10 U	10 U						
1,3,5-Trimethylbenzene	13	53		120												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.47				10 U	10 U	10 U						
1,4-Dioxane	6.4	32		0.78												
2-Butanone	4000	4000		5600												
2-Chloroethyl Vinyl Ether								100 U	100 U	100 U						
2-Hexanone	11	44		38												
4-Methyl-2-Pentanone	2900	8200		1200												
Acetone	33000	92000		14000												
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.052												
Benzene	5	5	5	0.45				20 U	20 U	20 U	0 U	0 U	0 U	0 U	0 U	0 U
Bromochloromethane	90	90		83												
Bromodichloromethane	80	80		0.13				20 U	20 U	20 U	0 U	0 U	0 U	0 U	0 U	0 U
Bromoform	80	80		9.2				20 U	20 U	20 U						
Bromomethane	10	10		7.5				50 U	50 U	50 U						
Carbon Disulfide	1500	6200		810												
Carbon Tetrachloride	5	5	5	0.45				10 U	10 U	10 U	0 U	0 U	0 U	0 U	0 U	0 U
Chlorobenzene	100	100	100	78				10 U	10 U	10 U	0 U	0 U	0 U	0 U	0 U	0 U
Chlorodibromomethane	80	80		0.17				20 U	20 U	20 U						
Chloroethane	230	900		21000				10 U	10 U	10 U	0 U	0 U	0 U	0 U	0 U	0 U
Chloroform	80	80		0.22	2	2		10 U	10 U	10 U	0 U	0 U	0 U	0 U	0 U	0 U
Chloromethane				190				50 U	50 U	50 U						
cis-1,2-Dichloroethene	70	70	70	36							0 U	5	0 U	6	0 U	0 U
cis-1,3-Dichloropropene	6.6	26		0.47												
Ethylbenzene	700	700	700	1.5				10 U	10 U	10 U	0 U	0 U	0 U	0 U	0 U	0 U
Isopropylbenzene	840	3500		450												
Methyl tert-butyl ether	20	20		14												
Methylene chloride	5	5		11				20 U	20 U	20 U	0 U	0 U	0 U	0 U	0 U	0 U

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-1A 6/2/1995	CW-1A 12/7/1995	CW-1A 6/6/1996	CW-1A 12/2/1996	CW-1A 6/4/1997	CW-1A Dup 6/4/1997	CW-1A 12/1/1998	CW-1A 6/8/1999	CW-1A 12/22/1999	CW-1A 6/2/2000	CW-1A 12/1/2000	CW-1A 6/8/2001
Naphthalene	100	100		0.17												
Petroleum Hydrocarbons (TPH)				60000												
P-Xylene	10000	10000	10000	190												
Styrene	100	100	100	1200												
Tetrachloroethene	5	5	5	11	4		2	10 U	10 U	10 U	6.3	3.7	0 U	4.4	0 U	0 U
Toluene	1000	1000	1000	1100				20 U	20 U	20 U	0 U	0 U	0 U	0 U	0 U	0 U
trans-1,2-Dichloroethene	100	100	100	360				10 U	10 U	10 U	0 U	0 U	0 U	0 U	0 U	0 U
trans-1,3-Dichloropropene	6.6	26		0.47												
Trichloroethene	5	5	5	0.49	600	570	270	190	400	400	600	370	350	482	509	365
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.019				10 U	10 U	10 U	0 U	0 U	0 U	0 U	0 U	0 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	190												

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-1A 12/7/2001	CW-1A 6/14/2002	CW-1A 12/6/2002	CW-1A 6/9/2003	CW-1A 6/4/2004	CW-1A 12/11/2004	CW-1A 6/14/2005	CW-1A 12/9/2005	CW-1A 6/20/2006	CW-1A 6/19/2007	CW-1A 511.57 12/12/2007	CW-1A 5/7/2008
TOTAL VOC																
Total VOC					419	256.1	307.8	172.7	317.1	67.6	184.5	209.2	99	0.76	121.2	53.96
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.57												2 U
1,1,1-Trichloroethane	200	200	200	8000	0 U	0 U	0 U	0 U	10 U	5 U	10 U	2 U	5 U	5 U	5 U	2 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076					2 U	1 U	2 U	2 U	5 U	5 U	5 U	2 U
1,1,2-Trichloroethane	5	5	5	0.28	0 U	0 U	0 U	0 U	6 U	3 U	6 U	2 U	5 U	5 U	5 U	2 U
1,1,2-Trichlorofluoromethane	2000	2000		1100												
1,1,2-Trichlorotrifluoroethane	63000	170000		55000												
1,1-Dichloroethane	31	160		2.7	0 U	0 U	0 U	0 U	10 U	5 U	10 U	2 U	5 U	5 U	5 U	2 U
1,1-Dichloroethene	7	7	7	280	0 U	20	0 U	0 U	4 U	2 U	4 U	2 U	5 U	5 U	5 U	2 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0075												2 U
1,2-Dichloroethane	5	5	5	0.17	0 U	0 U	0 U	0 U	4 U	2 U	4 U	2 U	5 U	5 U	5 U	2 U
1,2-Dichloroethene	70	70	70													
1,2-Dichloropropane	5	5	5	0.44					2 U	1 U	2 U	2 U	5 U	5 U	5 U	2 U
1,3,5-Trimethylbenzene	13	53		120												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.47												
1,4-Dioxane	6.4	32		0.78					2000 U	1000 U	2000 U	400 U	1000 U	1000 U	1000 U	400 U
2-Butanone	4000	4000		5600					10 U	5 U	10 U	130	5 U	5 U	5 U	20 U
2-Chloroethyl Vinyl Ether									10 U	5 U	10 U	4 U	10 U	10 U	10 U	
2-Hexanone	11	44		38												20 U
4-Methyl-2-Pentanone	2900	8200		1200												20 U
Acetone	33000	92000		14000		0 U										20 U
Acrolein	0.042	0.18		0.042					200 U	100 U	200 U	40 U	100 U	100 U	100 U	
Acrylonitrile	0.72	3.7		0.052					100 U	50 U	100 U	40 U	100 U	100 U	100 U	40 U
Benzene	5	5	5	0.45	0 U	0 U	0 U	0 U	2 U	1 U	2 U	2 U	5 U	5 U	5 U	2 U
Bromochloromethane	90	90		83												2 U
Bromodichloromethane	80	80		0.13	0 U	0 U	0 U	0 U	2 U	1 U	2 U	2 U	5 U	5 U	5 U	2 U
Bromoform	80	80		9.2					8 U	4 U	8 U	2 U	5 U	5 U	5 U	2 U
Bromomethane	10	10		7.5					10 U	5 U	10 U	2 U	5 U	5 U	5 U	2 U
Carbon Disulfide	1500	6200		810		0 U										2 U
Carbon Tetrachloride	5	5	5	0.45	0 U	0 U	0 U	0 U	4 U	2 U	4 U	2 U	5 U	5 U	5 U	2 U
Chlorobenzene	100	100	100	78	0 U	0 U	0 U	0 U	10 U	5 U	10 U	2 U	5 U	5 U	5 U	2 U
Chlorodibromomethane	80	80		0.17					10 U	5 U	10 U	2 U	5 U	5 U	5 U	2 U
Chloroethane	230	900		21000	0 U	0 U	0 U	0 U	10 U	5 U	10 U	2 U	5 U	5 U	5 U	2 U
Chloroform	80	80		0.22	0 U	0 U	0 U	0 U	10 U	5 U	10 U	2 U	5 U	5 U	5 U	0.19 J
Chloromethane				190					10 U	5 U	10 U	7.2	5 U	5 U	5 U	2 U
cis-1,2-Dichloroethene	70	70	70	36	0 U	7.1	5		3.1 J	0.6 J	2.5 J	2 U	13	5 U	5 U	0.58 J
cis-1,3-Dichloropropene	6.6	26		0.47					10 U	5 U	10 U	2 U	5 U	5 U	5 U	2 U
Ethylbenzene	700	700	700	1.5	0 U	0 U	0 U	0 U	8 U	4 U	8 U	2 U	5 U	5 U	5 U	2 U
Isopropylbenzene	840	3500		450												
Methyl tert-butyl ether	20	20		14												2 U
Methylene chloride	5	5		11	0 U	0 U	0 U	0 U	6 U	3 U	6 U	2 U	5 U	0.76 J	5 U	0.4 J

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-1A 12/7/2001	CW-1A 6/14/2002	CW-1A 12/6/2002	CW-1A 6/9/2003	CW-1A 6/4/2004	CW-1A 12/11/2004	CW-1A 6/14/2005	CW-1A 12/9/2005	CW-1A 6/20/2006	CW-1A 6/19/2007	CW-1A 511.57 12/12/2007	CW-1A 5/7/2008
Naphthalene	100	100		0.17												
Petroleum Hydrocarbons (TPH)				60000												
P-Xylene	10000	10000	10000	190												
Styrene	100	100	100	1200												2 U
Tetrachloroethene	5	5	5	11	0 U	0 U	3.8	1.7	4	1	2	2 U	5 U	5 U	1.2 J	0.79 J
Toluene	1000	1000	1000	1100	0 U	0 U	0 U	0 U	10 U	5 U	10 U	2 U	5 U	5 U	5 U	2 U
trans-1,2-Dichloroethene	100	100	100	360	0 U	0 U	0 U	0 U	10 U	5 U	10 U	2 U	5 U	5 U	5 U	2 U
trans-1,3-Dichloropropene	6.6	26		0.47					10 U	5 U	10 U	2 U	5 U	5 U	5 U	2 U
Trichloroethene	5	5	5	0.49	419	229	299	171	310	66	180	72	86	5 U	120	52
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.019	0 U	0 U	0 U	0 U	10 U	5 U	10 U	2 U	5 U	5 U	5 U	2 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	190		0 U										6 U

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Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-1A 10/9/2008	CW-1A 6/15/2009	CW-1A 12/16/2009	CW-1A 7/7/2010	CW-1A 12/21/2010	CW-1A 6/22/2011	CW-1A 12/14/2011	CW-1A 6/18/2012	CW-1A 12/10/2012	CW-1A 5/30/2013	CW-1A 9/16/2013
TOTAL VOC															
Total VOC					59.49	52.58	34.26	68.46	41.86	43.82	28.64	30.89	37.5	37.3	28.39
Volatile Organic Compound															
1,1,1,2-Tetrachloroethane	70	70		0.57	2 U	2 U	1 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	200	200	200	8000	2 U	2 U	1 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	2 U	2 U	1 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.28	2 U	2 U	1 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1100											
1,1,2-Trichlorotrifluoroethane	63000	170000		55000											
1,1-Dichloroethane	31	160		2.7	2 U	2 U	1 U	2 U	1 U	2 U	1 UJ	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	280	2 U	2 U	1 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	15	62		15											
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	2 U	2 U	1 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	5	5	5	0.17	2 U	2 U	1 U	2 U	1 U	2 U	1 UJ	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70												
1,2-Dichloropropane	5	5	5	0.44	2 U	2 U	1 U	2 U	1 U	2 U	1 UJ	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	13	53		120											
1,3-Dichlorobenzene	600	600													
1,3-Dichloropropene	6.6	26		0.47											
1,4-Dioxane	6.4	32		0.78	400 U	400 U	200 U	400 U	200 U	400 U	200 U	200 U	200 U	200 U	200 U
2-Butanone	4000	4000		5600	20 U	20 U	10 U	20 U	10 U	10 U	5 U	5 U	5 U	5 U	5 U
2-Chloroethyl Vinyl Ether															
2-Hexanone	11	44		38	20 U	20 U	10 U	20 U	10 U	10 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	2900	8200		1200	20 U	20 U	10 U	20 U	10 U	10 U	5 U	5 U	5 U	5 U	5 U
Acetone	33000	92000		14000	20 U	20 U	10 U	20 U	10 U	10 U	5 UJ	3 J	5 U	5 U	5 U
Acrolein	0.042	0.18		0.042											
Acrylonitrile	0.72	3.7		0.052	40 U	40 U	20 U	40 U	20 U	40 U	20 U	20 U	20 U	20 U	20 U
Benzene	5	5	5	0.45	2 U	2 U	1 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	90	90		83	2 U	2 U	1 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	80	80		0.13	2 U	2 U	1 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U
Bromoform	80	80		9.2	2 U	2 U	1 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	10	10		7.5	2 U	2 U	1 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	1500	6200		810	2 U	2 U	1 U	17	1 U	2 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	5	5	0.45	2 U	2 U	1 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	78	2 U	2 U	1 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.17	2 U	2 U	1 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	230	900		21000	2 U	2 U	1 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U
Chloroform	80	80		0.22	2 U	2 U	0.19 J	2 U	0.33 J	0.43 J	0.23 J	0.21 J	0.3 J	0.27 J	0.38 J
Chloromethane				190	2 U	2 U	1 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	70	70	70	36	0.57 J	0.83 J	0.5 J	0.54 J	0.58 J	0.7 J	0.89 J	0.74 J	1.4	1.2	0.31 J
cis-1,3-Dichloropropene	6.6	26		0.47	2 U	2 U	1 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	2 U	2 U	1 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	840	3500		450											
Methyl tert-butyl ether	20	20		14	2 U	2 U	1 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U
Methylene chloride	5	5		11	2 U	2 U	1 U	1 J B	0.19 J	2 U	1 U	1 U	1 U	1 U	1 U

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Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-1A 10/9/2008	CW-1A 6/15/2009	CW-1A 12/16/2009	CW-1A 7/7/2010	CW-1A 12/21/2010	CW-1A 6/22/2011	CW-1A 12/14/2011	CW-1A 6/18/2012	CW-1A 12/10/2012	CW-1A 5/30/2013	CW-1A 9/16/2013
Naphthalene	100	100		0.17											
Petroleum Hydrocarbons (TPH)				60000											
P-Xylene	10000	10000	10000	190											
Styrene	100	100	100	1200	2 U	2 U	1 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	5	5	11	0.92 J	0.75 J	0.57 J	0.92 J	0.76 J	0.69 J	0.52 J	0.6 J	0.8 J	0.83 J	1.7
Toluene	1000	1000	1000	1100	2 U	2 U	1 U	2 U	1 U	2 U	1 U	0.34 J	1 U	1 U	1 U
trans-1,2-Dichloroethene	100	100	100	360	2 U	2 U	1 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.47	2 U	2 U	1 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	5	5	0.49	58	51	33	49	40	42	27	26	35	35	26
Vinyl Acetate	420	1800		410											
Vinyl Chloride	2	2	2	0.019	2 U	2 U	1 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U
VOC Library Search															
Xylenes (Total)	10000	10000	10000	190	6 U	6 U	3 U	6 U	3 U	6 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.

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-1A 10/14/2014	CW-2 6/2/1988	CW-2 11/14/1990	CW-2 11/15/1990	CW-2 12/5/1990	CW-2 1/14/1991	CW-2 2/7/1991	CW-2 3/6/1991	CW-2 4/24/1991	CW-2 1/30/1992	CW-2 6/11/1992	CW-2 9/24/1992
TOTAL VOC																
Total VOC					34.75	969	1023	1017	646	369	317	289	267	125	127	103
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.57	1.0 U											
1,1,1-Trichloroethane	200	200	200	8000	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1.0 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.28	1.0 U	1 U	50 U	10 U	5 U	1 U	2 U	2 U	5 U	2 U	2 U	2 U
1,1,2-Trichlorofluoromethane	2000	2000		1100		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorotrifluoroethane	63000	170000		55000												
1,1-Dichloroethane	31	160		2.7	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	280	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	1.0 U											
1,2-Dichloroethane	5	5	5	0.17	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70													
1,2-Dichloropropane	5	5	5	0.44	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	13	53		120												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.47												
1,4-Dioxane	6.4	32		0.78	200 U											
2-Butanone	4000	4000		5600	5.0 U											
2-Chloroethyl Vinyl Ether						10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	11	44		38	5.0 U											
4-Methyl-2-Pentanone	2900	8200		1200	5.0 U											
Acetone	33000	92000		14000	5.0 U											
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.052	20 U											
Benzene	5	5	5	0.45	1.0 U	20 U	50 U	5 U	20 U	20 U	20 U	10 U	10 U	5 U	5 U	5 U
Bromochloromethane	90	90		83	1.0 U											
Bromodichloromethane	80	80		0.13	1.0 U											
Bromoform	80	80		9.2	1.0 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bromomethane	10	10		7.5	1.0 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Disulfide	1500	6200		810	1.0 U											
Carbon Tetrachloride	5	5	5	0.45	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	78	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.17	1.0 U	2 U	100 U	20 U	10 U	2 U	5 U	5 U	10 U	5 U	5 U	5 U
Chloroethane	230	900		21000	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	80	80		0.22	0.44 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane				190	1.0 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	36	0.51 J	14	19	14	14	8	6	8	7	5	7	3
cis-1,3-Dichloropropene	6.6	26		0.47	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	1.0 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	840	3500		450												
Methyl tert-butyl ether	20	20		14	1.0 U											
Methylene chloride	5	5		11	1.0 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-1A 10/14/2014	CW-2 6/2/1988	CW-2 11/14/1990	CW-2 11/15/1990	CW-2 12/5/1990	CW-2 1/14/1991	CW-2 2/7/1991	CW-2 3/6/1991	CW-2 4/24/1991	CW-2 1/30/1992	CW-2 6/11/1992	CW-2 9/24/1992
Naphthalene	100	100		0.17												
Petroleum Hydrocarbons (TPH)				60000												
P-Xylene	10000	10000	10000	190												
Styrene	100	100	100	1200	1.0 U											
Tetrachloroethene	5	5	5	11	2.8	2	4	3	2	1	1	1	1 U	1 U	1 U	1 U
Toluene	1000	1000	1000	1100	1.0 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
trans-1,2-Dichloroethene	100	100	100	360	1.0 U											
trans-1,3-Dichloropropene	6.6	26		0.47	1.0 U											
Trichloroethene	5	5	5	0.49	31	953	1000	1000	630	360	310	280	260	120	120	100
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.019	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	190	3.0 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.

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-2 12/18/1992	CW-2 6/21/1993	CW-2 8/30/1993	CW-2 12/1/1993	CW-2 1/26/1994	CW-2 4/5/1994	CW-2 7/11/1994	CW-2 6/2/1995	CW-2 12/7/1995	CW-2 6/6/1996	CW-2 12/2/1996	CW-2 6/4/1997
TOTAL VOC																
Total VOC					106	123	87	92	57	122	85	103	126	105	67	71
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.57												
1,1,1-Trichloroethane	200	200	200	8000	1 U	1 U	1 U	1 U	1 U	1 U	1 U				10 U	5 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1 U	1 U			1 U		1 U				10 U	5 U
1,1,2-Trichloroethane	5	5	5	0.28	2 U	1 U			1 U		1 U				10 U	5 U
1,1,2-Trichlorofluoromethane	2000	2000		1100	1 U											
1,1,2-Trichlorotrifluoroethane	63000	170000		55000												
1,1-Dichloroethane	31	160		2.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U				10 U	5 U
1,1-Dichloroethene	7	7	7	280	1 U	1 U	1 U	1 U	1 U	1 U	1 U				10 U	5 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0075												
1,2-Dichloroethane	5	5	5	0.17	1 U	1 U	1 U	1 U	1 U	1 U	1 U				10 U	5 U
1,2-Dichloroethene	70	70	70								4	3	6	6		
1,2-Dichloropropane	5	5	5	0.44	1 U	1 U			1 U		1 U				10 U	5 U
1,3,5-Trimethylbenzene	13	53		120												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.47											10 U	5 U
1,4-Dioxane	6.4	32		0.78												
2-Butanone	4000	4000		5600		10 U			10 U		10 U					
2-Chloroethyl Vinyl Ether					10 U	10 U			10 U		10 U				100 U	50 U
2-Hexanone	11	44		38		10 U			10 U		10 U					
4-Methyl-2-Pentanone	2900	8200		1200		10 U			10 U		10 U					
Acetone	33000	92000		14000		10 U			10 U		10 U					
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.052												
Benzene	5	5	5	0.45	5 U	1 U			1 U		1 U				20 U	10 U
Bromochloromethane	90	90		83												
Bromodichloromethane	80	80		0.13					1 U		1 U				20 U	10 U
Bromoform	80	80		9.2	2 U	1 U			1 U		1 U				20 U	10 U
Bromomethane	10	10		7.5	5 U	2 U			2 U		2 U				50 U	25 U
Carbon Disulfide	1500	6200		810		1 U			1 U		1 U					
Carbon Tetrachloride	5	5	5	0.45	1 U	1 U			1 U		1 U				10 U	5 U
Chlorobenzene	100	100	100	78	1 U	1 U	1 U	1 U	1 U	1 U	1 U				10 U	5 U
Chlorodibromomethane	80	80		0.17	5 U	1 U			1 U		1 U				20 U	10 U
Chloroethane	230	900		21000	1 U	2 U			2 U		2 U				10 U	5 U
Chloroform	80	80		0.22	1 U	1 U	1 U	1 U	1 U	1 U	1 U				10 U	5 U
Chloromethane				190	5 U	2 U			2 U		2 U				50 U	25 U
cis-1,2-Dichloroethene	70	70	70	36	6	3	2	2	2	2	2					
cis-1,3-Dichloropropene	6.6	26		0.47	1 U	1 U			1 U		1 U					
Ethylbenzene	700	700	700	1.5	1 U	1 U			1 U		1 U				10 U	5 U
Isopropylbenzene	840	3500		450												
Methyl tert-butyl ether	20	20		14												
Methylene chloride	5	5		11	2 U	2 U			2 U		2 U				20 U	10 U

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-2 12/18/1992	CW-2 6/21/1993	CW-2 8/30/1993	CW-2 12/1/1993	CW-2 1/26/1994	CW-2 4/5/1994	CW-2 7/11/1994	CW-2 6/2/1995	CW-2 12/7/1995	CW-2 6/6/1996	CW-2 12/2/1996	CW-2 6/4/1997
Naphthalene	100	100		0.17												
Petroleum Hydrocarbons (TPH)				60000												
P-Xylene	10000	10000	10000	190												
Styrene	100	100	100	1200		5 U			1 U		1 U					
Tetrachloroethene	5	5	5	11	1 U	1 U	1 U	1 U	1 U	1 U	1 U				10 U	5 U
Toluene	1000	1000	1000	1100	2 U	1 U			1 U		1 U				20 U	10 U
trans-1,2-Dichloroethene	100	100	100	360							1 U				10 U	5 U
trans-1,3-Dichloropropene	6.6	26		0.47							1 U					
Trichloroethene	5	5	5	0.49	100	120	85	90	55	120	79	100	120	99	67	71
Vinyl Acetate	420	1800		410		10 U			10 U		10 U					
Vinyl Chloride	2	2	2	0.019	1 U	2 U	1 U	1 U	2 U	1 U	2 U				10 U	5 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	190		5 U			5 U		5 U					

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-2 12/1/1998	CW-2 6/8/1999	CW-2 12/22/1999	CW-2 6/2/2000	CW-2 12/1/2000	CW-2 6/8/2001	CW-2 12/7/2001	CW-2 6/14/2002	CW-2 12/6/2002	CW-2 6/9/2003	CW-2 12/5/2003	CW-2 6/4/2004
TOTAL VOC																
Total VOC					93	109.7	77	89.6	100	117.6	95	119.2	101	70.7	110	103.7
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.57												
1,1,1-Trichloroethane	200	200	200	8000	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076												1 U
1,1,2-Trichloroethane	5	5	5	0.28	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	3 U
1,1,2-Trichlorofluoromethane	2000	2000		1100												
1,1,2-Trichlorotrifluoroethane	63000	170000		55000												
1,1-Dichloroethane	31	160		2.7	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U
1,1-Dichloroethene	7	7	7	280	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	2 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0075												
1,2-Dichloroethane	5	5	5	0.17	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	2 U
1,2-Dichloroethene	70	70	70													
1,2-Dichloropropane	5	5	5	0.44												1 U
1,3,5-Trimethylbenzene	13	53		120												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.47												
1,4-Dioxane	6.4	32		0.78												1000 U
2-Butanone	4000	4000		5600												5 U
2-Chloroethyl Vinyl Ether																5 U
2-Hexanone	11	44		38												
4-Methyl-2-Pentanone	2900	8200		1200												
Acetone	33000	92000		14000								0 U				
Acrolein	0.042	0.18		0.042												100 U
Acrylonitrile	0.72	3.7		0.052												50 U
Benzene	5	5	5	0.45	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	1 U
Bromochloromethane	90	90		83												
Bromodichloromethane	80	80		0.13	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	1 U
Bromoform	80	80		9.2												4 U
Bromomethane	10	10		7.5												5 U
Carbon Disulfide	1500	6200		810								0 U				
Carbon Tetrachloride	5	5	5	0.45	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	2 U
Chlorobenzene	100	100	100	78	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U
Chlorodibromomethane	80	80		0.17												5 U
Chloroethane	230	900		21000	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U
Chloroform	80	80		0.22	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U
Chloromethane				190												5 U
cis-1,2-Dichloroethene	70	70	70	36	13	9.7	24	19	25	24	28	28	27			26
cis-1,3-Dichloropropene	6.6	26		0.47												5 U
Ethylbenzene	700	700	700	1.5	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	4 U
Isopropylbenzene	840	3500		450												
Methyl tert-butyl ether	20	20		14												
Methylene chloride	5	5		11	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	3 U

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-2 12/1/1998	CW-2 6/8/1999	CW-2 12/22/1999	CW-2 6/2/2000	CW-2 12/1/2000	CW-2 6/8/2001	CW-2 12/7/2001	CW-2 6/14/2002	CW-2 12/6/2002	CW-2 6/9/2003	CW-2 12/5/2003	CW-2 6/4/2004
Naphthalene	100	100		0.17												
Petroleum Hydrocarbons (TPH)				60000												
P-Xylene	10000	10000	10000	190												
Styrene	100	100	100	1200												
Tetrachloroethene	5	5	5	11	0 U	0 U	0 U	1.6	0 U	0 U	0 U	0 U	0 U	1.2	0 U	0.7 J
Toluene	1000	1000	1000	1100	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U
trans-1,2-Dichloroethene	100	100	100	360	0 U	0 U	0 U	0 U	0 U	2.6	0 U	1.2	0 U	0 U	0 U	5 U
trans-1,3-Dichloropropene	6.6	26		0.47												5 U
Trichloroethene	5	5	5	0.49	80	100	53	69	75	91	67	90	74	69.5	110	77
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.019	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	190								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.

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-2 12/10/2004	CW-2 6/13/2005	CW-2 12/9/2005	CW-2 6/20/2006	CW-2 6/19/2007	CW-2 506.7 12/12/2007	CW-2 5/13/2008	CW-2 10/9/2008	CW-2 6/15/2009	CW-2 2/3/2010	CW-2 7/7/2010	CW-2 12/21/2010
TOTAL VOC																
Total VOC					63.4	35.4	10.82	23.4	24.1	22.2	26.47	18.3	23.26	31.66	23.41	18.7
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.57							1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	200	200	200	8000	5 U	5 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1 U	1 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.28	3 U	3 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1100												
1,1,2-Trichlorotrifluoroethane	63000	170000		55000												
1,1-Dichloroethane	31	160		2.7	5 U	5 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	280	2 U	2 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0075							1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	5	5	5	0.17	2 U	2 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70													
1,2-Dichloropropane	5	5	5	0.44	1 U	1 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	13	53		120												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.47												
1,4-Dioxane	6.4	32		0.78	1000 U	1000 U	200 U	1000 U	1000 U	1000 U	200 U	200 U	200 U	200 U	200 U	200 U
2-Butanone	4000	4000		5600	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloroethyl Vinyl Ether					5 U	5 U	2 U	10 U	10 U	10 U						
2-Hexanone	11	44		38							10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	2900	8200		1200							10 U	10 U	10 U	10 U	10 U	10 U
Acetone	33000	92000		14000							10 U	10 U	10 U	10 U	10 U	10 U
Acrolein	0.042	0.18		0.042	100 U	100 U	20 U	100 U	100 U	100 U						
Acrylonitrile	0.72	3.7		0.052	50 U	50 U	20 U	100 U	100 U	100 U	20 U	20 U	20 U	20 U	20 U	20 U
Benzene	5	5	5	0.45	1 U	1 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	90	90		83							1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	80	80		0.13	1 U	1 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	80	80		9.2	4 U	4 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	10	10		7.5	5 U	5 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	1500	6200		810							1 U	1 U	1 U	1 U	2.7 B	1 U
Carbon Tetrachloride	5	5	5	0.45	2 U	2 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	78	5 U	5 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.17	5 U	5 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	230	900		21000	5 U	5 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	80	80		0.22	5 U	5 U	1 U	5 U	5 U	5 U	0.08 J	1 U	1 U	1 U	1 U	1 U
Chloromethane				190	5 U	5 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	70	70	70	36	17	5.4	0.59 J	2.4 J	4.1 J	5.2	3.5	3.3	3.8	5	4.4	4.5
cis-1,3-Dichloropropene	6.6	26		0.47	5 U	5 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	4 U	4 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	840	3500		450												
Methyl tert-butyl ether	20	20		14							1 U	1 U	1 U	0.22 J	1 U	1 U
Methylene chloride	5	5		11	3 U	3 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-2 12/10/2004	CW-2 6/13/2005	CW-2 12/9/2005	CW-2 6/20/2006	CW-2 6/19/2007	CW-2 506.7 12/12/2007	CW-2 5/13/2008	CW-2 10/9/2008	CW-2 6/15/2009	CW-2 2/3/2010	CW-2 7/7/2010	CW-2 12/21/2010
Naphthalene	100	100		0.17												
Petroleum Hydrocarbons (TPH)				60000												
P-Xylene	10000	10000	10000	190												
Styrene	100	100	100	1200							1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	5	5	11	0.4 J	1 U	0.23 J	5 U	5 U	5 U	0.89 J	1 U	0.46 J	0.44 J	0.31 J	0.2 J
Toluene	1000	1000	1000	1100	5 U	5 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	100	100	100	360	5 U	5 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.47	5 U	5 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	5	5	0.49	46	30	10	21	20	17	22	15	19	26	16 B	14
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.019	5 U	5 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	190							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.

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-2 6/22/2011	CW-2 12/14/2011	CW-2 6/18/2012	CW-2 12/10/2012	CW-2 5/29/2013	CW-2 9/16/2013	CW-2 10/14/2014	CW-3 5/27/1987	CW-3 6/3/1988	CW-3 11/13/1990	CW-3 11/15/1990
TOTAL VOC															
Total VOC					18.24	13.19	21.97	14.8	15.1	10.17	18	5847	422	309	996
Volatile Organic Compound															
1,1,1,2-Tetrachloroethane	70	70		0.57	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U				
1,1,1-Trichloroethane	200	200	200	8000	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	200 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.28	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	10 U	10 U
1,1,2-Trichlorofluoromethane	2000	2000		1100									1 U	1 U	1 U
1,1,2-Trichlorotrifluoroethane	63000	170000		55000								1 U			
1,1-Dichloroethane	31	160		2.7	1 U	1 UJ	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	280	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	2	1 U	1 U	1 U
1,2,4-Trimethylbenzene	15	62		15											
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U				
1,2-Dichloroethane	5	5	5	0.17	1 U	1 UJ	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70												
1,2-Dichloropropane	5	5	5	0.44	1 U	1 UJ	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	13	53		120											
1,3-Dichlorobenzene	600	600													
1,3-Dichloropropene	6.6	26		0.47											
1,4-Dioxane	6.4	32		0.78	200 U	200 U	200 U	200 U	200 U	200 U	200 U				
2-Butanone	4000	4000		5600	5 U	5 U	1 J	5 U	5 U	5 U	5.0 U				
2-Chloroethyl Vinyl Ether												10 U	10 U	10 U	10 U
2-Hexanone	11	44		38	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U				
4-Methyl-2-Pentanone	2900	8200		1200	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U				
Acetone	33000	92000		14000	5 U	5 UJ	5.2	5 U	5 U	5 U	5.0 U				
Acrolein	0.042	0.18		0.042											
Acrylonitrile	0.72	3.7		0.052	20 U	20 U	20 U	20 U	20 U	20 U	20 U				
Benzene	5	5	5	0.45	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	20 U	10 U	10 U	5 U
Bromochloromethane	90	90		83	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U				
Bromodichloromethane	80	80		0.13	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U				
Bromoform	80	80		9.2	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	2 U	2 U	2 U	2 U
Bromomethane	10	10		7.5	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	5 U	5 U	5 U	5 U
Carbon Disulfide	1500	6200		810	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U				
Carbon Tetrachloride	5	5	5	0.45	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	78	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.17	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	2 U	2 U	20 U	20 U
Chloroethane	230	900		21000	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U
Chloroform	80	80		0.22	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U
Chloromethane				190	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	36	3.9	3.1 J	3.9	4.8	4.1	0.87 J	2.6	370	29	9	67
cis-1,3-Dichloropropene	6.6	26		0.47	1 U	1 U	1 U	1 U	1 U	1 U	1.0 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	1.0 U	1 U	2 U	1 U	1 U
Isopropylbenzene	840	3500		450											
Methyl tert-butyl ether	20	20		14	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U				
Methylene chloride	5	5		11	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	2 U	2 U	2 U	2 U

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-2 6/22/2011	CW-2 12/14/2011	CW-2 6/18/2012	CW-2 12/10/2012	CW-2 5/29/2013	CW-2 9/16/2013	CW-2 10/14/2014	CW-3 5/27/1987	CW-3 6/3/1988	CW-3 11/13/1990	CW-3 11/15/1990
Naphthalene	100	100		0.17											
Petroleum Hydrocarbons (TPH)				60000											
P-Xylene	10000	10000	10000	190											
Styrene	100	100	100	1200	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U				
Tetrachloroethene	5	5	5	11	0.34 J	0.19 J	0.31 J	1 U	1 U	3	1.4	1680	40	1 U	19
Toluene	1000	1000	1000	1100	1 U	1 U	0.35 J	1 U	1 U	1 U	1.0 U	2 U	2 U	2 U	2 U
trans-1,2-Dichloroethene	100	100	100	360	1 U	1 U	0.21 J	1 U	1 U	1 U	1.0 U				
trans-1,3-Dichloropropene	6.6	26		0.47	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U				
Trichloroethene	5	5	5	0.49	14	9.9	11	10	11	6.3	14	3795	353	300	910
Vinyl Acetate	420	1800		410											
Vinyl Chloride	2	2	2	0.019	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U
VOC Library Search															
Xylenes (Total)	10000	10000	10000	190	3 U	3 U	3 U	3 U	3 U	3 U	3.0 U				

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Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-3 12/5/1990	CW-3 1/14/1991	CW-3 2/7/1991	CW-3 3/6/1991	CW-3 4/24/1991	CW-3 1/30/1992	CW-3 6/11/1992	CW-3 9/24/1992	CW-3 12/18/1992	CW-3 6/21/1993	CW-3 8/30/1993	CW-3 12/1/1993
TOTAL VOC																
Total VOC					1087	725	748	651	673	686	746	918	722	436	130	423
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.57												
1,1,1-Trichloroethane	200	200	200	8000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	5 U	5 U	5 U	5 U	10 U	5 U	20 U	10 U	5 U	2 U		
1,1,2-Trichloroethane	5	5	5	0.28	10 U	1 U	10 U	5 U	10 U	10 U	5 U	10 U	10 U	2 U		
1,1,2-Trichlorofluoromethane	2000	2000		1100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U			
1,1,2-Trichlorotrifluoroethane	63000	170000		55000												
1,1-Dichloroethane	31	160		2.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U
1,1-Dichloroethene	7	7	7	280	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0075												
1,2-Dichloroethane	5	5	5	0.17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U
1,2-Dichloroethene	70	70	70													
1,2-Dichloropropane	5	5	5	0.44	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U		
1,3,5-Trimethylbenzene	13	53		120												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.47												
1,4-Dioxane	6.4	32		0.78												
2-Butanone	4000	4000		5600										20 U		
2-Chloroethyl Vinyl Ether					10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U		
2-Hexanone	11	44		38										20 U		
4-Methyl-2-Pentanone	2900	8200		1200										20 U		
Acetone	33000	92000		14000										20 U		
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.052												
Benzene	5	5	5	0.45	50 U	50 U	50 U	20 U	50 U	20 U	10 U	20 U	20 U	2 U		
Bromochloromethane	90	90		83												
Bromodichloromethane	80	80		0.13										2 U		
Bromoform	80	80		9.2	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U		
Bromomethane	10	10		7.5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4 U		
Carbon Disulfide	1500	6200		810										2 U		
Carbon Tetrachloride	5	5	5	0.45	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U		
Chlorobenzene	100	100	100	78	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U
Chlorodibromomethane	80	80		0.17	20 U	2 U	20 U	10 U	20 U	20 U	5 U	20 U	20 U	2 U		
Chloroethane	230	900		21000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U		
Chloroform	80	80		0.22	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	2 U	1 U	1 U
Chloromethane				190	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4 U		
cis-1,2-Dichloroethene	70	70	70	36	73	49	56	54	58	62	76	62	70	30	5	33
cis-1,3-Dichloropropene	6.6	26		0.47	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U		
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U		
Isopropylbenzene	840	3500		450												
Methyl tert-butyl ether	20	20		14												
Methylene chloride	5	5		11	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	4 U		

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Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-3 12/5/1990	CW-3 1/14/1991	CW-3 2/7/1991	CW-3 3/6/1991	CW-3 4/24/1991	CW-3 1/30/1992	CW-3 6/11/1992	CW-3 9/24/1992	CW-3 12/18/1992	CW-3 6/21/1993	CW-3 8/30/1993	CW-3 12/1/1993
Naphthalene	100	100		0.17												
Petroleum Hydrocarbons (TPH)				60000												
P-Xylene	10000	10000	10000	190												
Styrene	100	100	100	1200												
Tetrachloroethene	5	5	5	11	14	16	22	27	25	34	60	26	32	16	5	20
Toluene	1000	1000	1000	1100	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U		
trans-1,2-Dichloroethene	100	100	100	360										2 U		
trans-1,3-Dichloropropene	6.6	26		0.47												
Trichloroethene	5	5	5	0.49	1000	660	670	570	590	590	610	830	620	390	120	370
Vinyl Acetate	420	1800		410										20 U		
Vinyl Chloride	2	2	2	0.019	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U	1 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	190										10 U		

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Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-3 1/26/1994	CW-3 4/5/1994	CW-3 7/11/1994	CW-3 12/15/1994	CW-3 6/2/1995	CW-3 6/2/1995	CW-3 12/7/1995	CW-3 6/6/1996	CW-3 6/6/1996	CW-3 12/2/1996	CW-3 6/4/1997	CW-3 12/1/1998
TOTAL VOC																
Total VOC					400	616	370	483	241	241	408	297	297	200	99	181.1
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.57												
1,1,1-Trichloroethane	200	200	200	8000	5 U	1 U	5 U							10 U	10 U	0 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	5 U		5 U							10 U	10 U	
1,1,2-Trichloroethane	5	5	5	0.28	5 U		5 U							10 U	10 U	0 U
1,1,2-Trichlorofluoromethane	2000	2000		1100												
1,1,2-Trichlorotrifluoroethane	63000	170000		55000												
1,1-Dichloroethane	31	160		2.7	5 U	1 U	5 U							10 U	10 U	0 U
1,1-Dichloroethene	7	7	7	280	5 U	1 U	5 U							10 U	10 U	0 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0075												
1,2-Dichloroethane	5	5	5	0.17	5 U	1 U	5 U							10 U	10 U	0 U
1,2-Dichloroethene	70	70	70					43	19	19	27	30	30			
1,2-Dichloropropane	5	5	5	0.44	5 U		5 U							10 U	10 U	
1,3,5-Trimethylbenzene	13	53		120												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.47										10 U	10 U	
1,4-Dioxane	6.4	32		0.78												
2-Butanone	4000	4000		5600	50 U		50 U									
2-Chloroethyl Vinyl Ether					50 U		50 U							100 U	100 U	
2-Hexanone	11	44		38	50 U		50 U									
4-Methyl-2-Pentanone	2900	8200		1200	50 U		50 U									
Acetone	33000	92000		14000	50 U		50 U									
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.052												
Benzene	5	5	5	0.45	5 U		5 U							20 U	20 U	0 U
Bromochloromethane	90	90		83												
Bromodichloromethane	80	80		0.13	5 U		5 U							20 U	20 U	0 U
Bromoform	80	80		9.2	5 U		5 U							20 U	20 U	
Bromomethane	10	10		7.5	10 U		10 U							50 U	50 U	
Carbon Disulfide	1500	6200		810	5 U		5 U									
Carbon Tetrachloride	5	5	5	0.45	5 U		5 U							10 U	10 U	0 U
Chlorobenzene	100	100	100	78	5 U	1 U	5 U							10 U	10 U	0 U
Chlorodibromomethane	80	80		0.17	5 U		5 U							20 U	20 U	
Chloroethane	230	900		21000	10 U		10 U							10 U	10 U	0 U
Chloroform	80	80		0.22	5 U	1 U	5 U							10 U	10 U	0 U
Chloromethane				190	10 U		10 U							50 U	50 U	
cis-1,2-Dichloroethene	70	70	70	36	30	37	5 U									29
cis-1,3-Dichloropropene	6.6	26		0.47	5 U		5 U									
Ethylbenzene	700	700	700	1.5	5 U		5 U							10 U	10 U	0 U
Isopropylbenzene	840	3500		450												
Methyl tert-butyl ether	20	20		14												
Methylene chloride	5	5		11	10 U		10 U							20 U	20 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.

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-3 1/26/1994	CW-3 4/5/1994	CW-3 7/11/1994	CW-3 12/15/1994	CW-3 6/2/1995	CW-3 6/2/1995	CW-3 12/7/1995	CW-3 6/6/1996	CW-3 6/6/1996	CW-3 12/2/1996	CW-3 6/4/1997	CW-3 12/1/1998
Naphthalene	100	100		0.17												
Petroleum Hydrocarbons (TPH)				60000												
P-Xylene	10000	10000	10000	190												
Styrene	100	100	100	1200	5 U		5 U									
Tetrachloroethene	5	5	5	11	10	19	10	10	2	2	11	7	7	10 U	10 U	2.1
Toluene	1000	1000	1000	1100	5 U		5 U							20 U	20 U	0 U
trans-1,2-Dichloroethene	100	100	100	360			5 U							10 U	10 U	0 U
trans-1,3-Dichloropropene	6.6	26		0.47			5 U									
Trichloroethene	5	5	5	0.49	360	560	360	430	220	220	370	260	260	200	99	150
Vinyl Acetate	420	1800		410	50 U		50 U									
Vinyl Chloride	2	2	2	0.019	10 U	1 U	10 U							10 U	10 U	0 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	190	25 U		25 U									

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-3 6/8/1999	CW-3 12/22/1999	CW-3 6/2/2000	CW-3 12/1/2000	CW-3 6/8/2001	CW-3 12/7/2001	CW-3 6/14/2002	CW-3 12/6/2002	CW-3 6/9/2003	CW-3 12/5/2003	CW-3 6/4/2004	CW-3 12/10/2004
TOTAL VOC																
Total VOC					207	142	163.6	60.2	143.1	140.2	128.1	66.8	124.8	71.8	109.8	124.4
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.57												
1,1,1-Trichloroethane	200	200	200	8000	0 U	0 U	0 U	0 U	0 U	0 U	2.1	0 U	0 U	0 U	5 U	5 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076											1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.28	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	3 U	3 U
1,1,2-Trichlorofluoromethane	2000	2000		1100												
1,1,2-Trichlorotrifluoroethane	63000	170000		55000												
1,1-Dichloroethane	31	160		2.7	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U
1,1-Dichloroethene	7	7	7	280	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	2 U	2 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0075												
1,2-Dichloroethane	5	5	5	0.17	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	2 U	2 U
1,2-Dichloroethene	70	70	70													
1,2-Dichloropropane	5	5	5	0.44											1 U	1 U
1,3,5-Trimethylbenzene	13	53		120												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.47												
1,4-Dioxane	6.4	32		0.78											1000 U	1000 U
2-Butanone	4000	4000		5600											5 U	5 U
2-Chloroethyl Vinyl Ether															5 U	5 U
2-Hexanone	11	44		38												
4-Methyl-2-Pentanone	2900	8200		1200												
Acetone	33000	92000		14000							0 U					
Acrolein	0.042	0.18		0.042											100 U	100 U
Acrylonitrile	0.72	3.7		0.052											50 U	50 U
Benzene	5	5	5	0.45	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	1 U	1 U
Bromochloromethane	90	90		83												
Bromodichloromethane	80	80		0.13	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	1 U	1 U
Bromoform	80	80		9.2											4 U	4 U
Bromomethane	10	10		7.5											5 U	5 U
Carbon Disulfide	1500	6200		810							0 U					
Carbon Tetrachloride	5	5	5	0.45	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	2 U	2 U
Chlorobenzene	100	100	100	78	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U
Chlorodibromomethane	80	80		0.17											5 U	5 U
Chloroethane	230	900		21000	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U
Chloroform	80	80		0.22	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U
Chloromethane				190											5 U	5 U
cis-1,2-Dichloroethene	70	70	70	36	34	32	35	27	42	37	37	29			40	40
cis-1,3-Dichloropropene	6.6	26		0.47											5 U	5 U
Ethylbenzene	700	700	700	1.5	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	4 U	4 U
Isopropylbenzene	840	3500		450												
Methyl tert-butyl ether	20	20		14												
Methylene chloride	5	5		11	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 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.

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-3 6/8/1999	CW-3 12/22/1999	CW-3 6/2/2000	CW-3 12/1/2000	CW-3 6/8/2001	CW-3 12/7/2001	CW-3 6/14/2002	CW-3 12/6/2002	CW-3 6/9/2003	CW-3 12/5/2003	CW-3 6/4/2004	CW-3 12/10/2004
Naphthalene	100	100		0.17												
Petroleum Hydrocarbons (TPH)				60000												
P-Xylene	10000	10000	10000	190												
Styrene	100	100	100	1200												
Tetrachloroethene	5	5	5	11	3	0 U	5.6	1.2	6.1	1.2	0 U	1.8	3.8	10.4	9.8	5.4
Toluene	1000	1000	1000	1100	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U
trans-1,2-Dichloroethene	100	100	100	360	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U
trans-1,3-Dichloropropene	6.6	26		0.47											5 U	5 U
Trichloroethene	5	5	5	0.49	170	110	123	32	95	102	89	36	121	61.4	60	79
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.019	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	190							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.

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-3 6/13/2005	CW-3 12/9/2005	CW-3 6/20/2006	CW-3 6/19/2007	CW-3 439.48 12/12/2007	CW-3 5/6/2008	CW-3 10/9/2008	CW-3 6/15/2009	CW-3 12/16/2009	CW-3 7/7/2010	CW-3 Dup 7/7/2010	CW-3 12/21/2010
TOTAL VOC																
Total VOC					111	49.2	61	74.3	53.57	37.75	33.64	50.4	54.1	53.31	50.43	29.42
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.57						1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	200	200	200	8000	5 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.28	3 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1100												
1,1,2-Trichlorotrifluoroethane	63000	170000		55000												
1,1-Dichloroethane	31	160		2.7	5 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	280	2 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0075						1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	5	5	5	0.17	2 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70													
1,2-Dichloropropane	5	5	5	0.44	1 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	13	53		120												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.47												
1,4-Dioxane	6.4	32		0.78	1000 U	200 U	1000 U	1000 U	1000 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U
2-Butanone	4000	4000		5600	5 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloroethyl Vinyl Ether					5 U	2 U	10 U	10 U	10 U							
2-Hexanone	11	44		38						10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	2900	8200		1200						10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	33000	92000		14000						10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acrolein	0.042	0.18		0.042	100 U	20 U	100 U	100 U	100 U							
Acrylonitrile	0.72	3.7		0.052	50 U	20 U	100 U	100 U	100 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Benzene	5	5	5	0.45	1 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	90	90		83						1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	80	80		0.13	1 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	80	80		9.2	4 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	10	10		7.5	5 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	1500	6200		810						1 U	1 U	1 U	1 U	0.41 J B	0.33 J	1 U
Carbon Tetrachloride	5	5	5	0.45	2 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	78	5 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.17	5 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	230	900		21000	5 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	80	80		0.22	5 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane				190	5 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	70	70	70	36	39	20	26	38	32	21	20	27	28	29	28	20
cis-1,3-Dichloropropene	6.6	26		0.47	5 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	4 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	840	3500		450												
Methyl tert-butyl ether	20	20		14						1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene chloride	5	5		11	3 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-3 6/13/2005	CW-3 12/9/2005	CW-3 6/20/2006	CW-3 6/19/2007	CW-3 439.48 12/12/2007	CW-3 5/6/2008	CW-3 10/9/2008	CW-3 6/15/2009	CW-3 12/16/2009	CW-3 7/7/2010	CW-3 Dup 7/7/2010	CW-3 12/21/2010
Naphthalene	100	100		0.17												
Petroleum Hydrocarbons (TPH)				60000												
P-Xylene	10000	10000	10000	190												
Styrene	100	100	100	1200						1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	5	5	11	10	1.2	5 U	1.3 J	0.57 J	0.75 J	0.64 J	1.4	2.1	6.9	6.1	0.92 J
Toluene	1000	1000	1000	1100	5 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	100	100	100	360	5 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.47	5 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	5	5	0.49	62	28	35	35	21	16	13	22	24	17 B	16	8.5
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.019	5 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	190						3 U	3 U	3 U	3 U	3 U	3 U	3 U

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Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-3 6/22/2011	CW-3 12/14/2011	CW-3 6/18/2012	CW-3 12/10/2012	CW-3 12/10/2012	CW-3 5/29/2013	CW-3 9/16/2013	CW-3 10/15/2014	CW-4 6/3/1988	CW-4 11/13/1990	CW-4 11/15/1990
TOTAL VOC															
Total VOC					34.7	35.87	31.03	31.69	33.97	34.6	120.19	118.03	149	367	347
Volatile Organic Compound															
1,1,1,2-Tetrachloroethane	70	70		0.57	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U			
1,1,1-Trichloroethane	200	200	200	8000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.28	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	10 U	5 U
1,1,2-Trichlorofluoromethane	2000	2000		1100									1 U	1 U	1 U
1,1,2-Trichlorotrifluoroethane	63000	170000		55000											
1,1-Dichloroethane	31	160		2.7	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	280	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	15	62		15											
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U			
1,2-Dichloroethane	5	5	5	0.17	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70												
1,2-Dichloropropane	5	5	5	0.44	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	13	53		120											
1,3-Dichlorobenzene	600	600													
1,3-Dichloropropene	6.6	26		0.47											
1,4-Dioxane	6.4	32		0.78	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U			
2-Butanone	4000	4000		5600	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U			
2-Chloroethyl Vinyl Ether													10 U	10 U	10 U
2-Hexanone	11	44		38	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U			
4-Methyl-2-Pentanone	2900	8200		1200	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U			
Acetone	33000	92000		14000	4.2 J	6.1 J	8.2	3.5 J	5	5.6	74	76			
Acrolein	0.042	0.18		0.042											
Acrylonitrile	0.72	3.7		0.052	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U			
Benzene	5	5	5	0.45	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	10 U	10 U	5 U
Bromochloromethane	90	90		83	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U			
Bromodichloromethane	80	80		0.13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U			
Bromoform	80	80		9.2	1 U	0.25 J	1 U	1 U	1 U	1 U	0.88 J	3.1	2 U	2 U	2 U
Bromomethane	10	10		7.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	5 U	5 U	5 U
Carbon Disulfide	1500	6200		810	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U			
Carbon Tetrachloride	5	5	5	0.45	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	78	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.54 J	2 U	20 U	10 U
Chloroethane	230	900		21000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U
Chloroform	80	80		0.22	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U
Chloromethane				190	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	36	19	20	16	21	21	21	32	36	4	7	7
cis-1,3-Dichloropropene	6.6	26		0.47	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U
Isopropylbenzene	840	3500		450											
Methyl tert-butyl ether	20	20		14	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U			
Methylene chloride	5	5		11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	2 U	2 U	2 U

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-3 6/22/2011	CW-3 12/14/2011	CW-3 6/18/2012	CW-3 12/10/2012	CW-3 12/10/2012	CW-3 5/29/2013	CW-3 9/16/2013	CW-3 10/15/2014	CW-4 6/3/1988	CW-4 11/13/1990	CW-4 11/15/1990
Naphthalene	100	100		0.17											
Petroleum Hydrocarbons (TPH)				60000											
P-Xylene	10000	10000	10000	190											
Styrene	100	100	100	1200	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U			
Tetrachloroethene	5	5	5	11	2.2	0.92 J	0.91 J	0.79 J	0.67 J	1.3	2.5	0.41 J	1	1 U	1 U
Toluene	1000	1000	1000	1100	1 U	1 U	0.32 J	1 U	1 U	1 U	1 U	1.0 U	2 U	2 U	2 U
trans-1,2-Dichloroethene	100	100	100	360	1 U	1 U	1 U	1 U	1 U	1 U	0.91 J	0.58 J			
trans-1,3-Dichloropropene	6.6	26		0.47	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U			
Trichloroethene	5	5	5	0.49	9.3	8.6	5.6	6.4	7.3	6.7	9.9	1.4	144	360	340
Vinyl Acetate	420	1800		410											
Vinyl Chloride	2	2	2	0.019	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U
VOC Library Search															
Xylenes (Total)	10000	10000	10000	190	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3.0 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.

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-4 12/5/1990	CW-4 1/14/1991	CW-4 2/7/1991	CW-4 3/6/1991	CW-4 4/24/1991	CW-4 1/30/1992	CW-4 6/11/1992	CW-4 9/24/1992	CW-4 12/18/1992	CW-4 6/21/1993	CW-4 8/30/1993	CW-4 12/1/1993
TOTAL VOC																
Total VOC					348	257	497	216	207	232	257	273	243	208	126	230
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.57												
1,1,1-Trichloroethane	200	200	200	8000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U		
1,1,2-Trichloroethane	5	5	5	0.28	5 U	1 U	5 U	2 U	5 U	5 U	2 U	5 U	5 U	2 U		
1,1,2-Trichlorofluoromethane	2000	2000		1100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U			
1,1,2-Trichlorotrifluoroethane	63000	170000		55000												
1,1-Dichloroethane	31	160		2.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U
1,1-Dichloroethene	7	7	7	280	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0075												
1,2-Dichloroethane	5	5	5	0.17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U
1,2-Dichloroethene	70	70	70													
1,2-Dichloropropane	5	5	5	0.44	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U		
1,3,5-Trimethylbenzene	13	53		120												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.47												
1,4-Dioxane	6.4	32		0.78												
2-Butanone	4000	4000		5600										20 U		
2-Chloroethyl Vinyl Ether					10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U		
2-Hexanone	11	44		38										20 U		
4-Methyl-2-Pentanone	2900	8200		1200										20 U		
Acetone	33000	92000		14000										20 U		
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.052												
Benzene	5	5	5	0.45	10 U	10 U	20 U	10 U	2 U	10 U	5 U	5 U	10 U	2 U		
Bromochloromethane	90	90		83												
Bromodichloromethane	80	80		0.13										2 U		
Bromoform	80	80		9.2	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U		
Bromomethane	10	10		7.5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4 U		
Carbon Disulfide	1500	6200		810										2 U		
Carbon Tetrachloride	5	5	5	0.45	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U		
Chlorobenzene	100	100	100	78	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U
Chlorodibromomethane	80	80		0.17	10 U	2 U	10 U	5 U	10 U	10 U	5 U	10 U	10 U	2 U		
Chloroethane	230	900		21000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U		
Chloroform	80	80		0.22	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U
Chloromethane				190	5 U	5 U	5 U	5 U	5 U	5 U	5 U		5 U	4 U		
cis-1,2-Dichloroethene	70	70	70	36	8	7	7	6	7	12	16	12	12	8	5	8
cis-1,3-Dichloropropene	6.6	26		0.47	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U		
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U		
Isopropylbenzene	840	3500		450												
Methyl tert-butyl ether	20	20		14												
Methylene chloride	5	5		11	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	4 U		

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-4 12/5/1990	CW-4 1/14/1991	CW-4 2/7/1991	CW-4 3/6/1991	CW-4 4/24/1991	CW-4 1/30/1992	CW-4 6/11/1992	CW-4 9/24/1992	CW-4 12/18/1992	CW-4 6/21/1993	CW-4 8/30/1993	CW-4 12/1/1993
Naphthalene	100	100		0.17												
Petroleum Hydrocarbons (TPH)				60000												
P-Xylene	10000	10000	10000	190												
Styrene	100	100	100	1200										2 U		
Tetrachloroethene	5	5	5	11	1 U	1 U	1 U	1 U	1 U	1 U	1	1	1	2 U	1	2
Toluene	1000	1000	1000	1100	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U		
trans-1,2-Dichloroethene	100	100	100	360										2 U		
trans-1,3-Dichloropropene	6.6	26		0.47												
Trichloroethene	5	5	5	0.49	340	250	490	210	200	220	240	260	230	200	120	220
Vinyl Acetate	420	1800		410										20 U		
Vinyl Chloride	2	2	2	0.019	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U	1 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	190										10 U		

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Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-4 1/26/1994	CW-4 4/5/1994	CW-4 7/11/1994	CW-4 12/15/1994	CW-4 6/2/1995	CW-4 12/7/1995	CW-4 6/6/1996	CW-4 12/2/1996	CW-4 Dup 12/2/1996	CW-4 6/4/1997	CW-4 12/1/1998	CW-4 6/8/1999
TOTAL VOC																
Total VOC					199	220	126	228	373	197	243	180	190	200	165.4	211.6
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.57												
1,1,1-Trichloroethane	200	200	200	8000	1 U	1 U	2 U					10 U	10 U	10 U	0 U	0 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1 U		2 U					10 U	10 U	10 U		
1,1,2-Trichloroethane	5	5	5	0.28	1 U		2 U					10 U	10 U	10 U	0 U	0 U
1,1,2-Trichlorofluoromethane	2000	2000		1100												
1,1,2-Trichlorotrifluoroethane	63000	170000		55000												
1,1-Dichloroethane	31	160		2.7	1 U	1 U	2 U					10 U	10 U	10 U	0 U	0 U
1,1-Dichloroethene	7	7	7	280	1 U	1 U	2 U					10 U	10 U	10 U	0 U	0 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0075												
1,2-Dichloroethane	5	5	5	0.17	1 U	1 U	2 U					10 U	10 U	10 U	0 U	0 U
1,2-Dichloroethene	70	70	70					6	19	23	29					
1,2-Dichloropropane	5	5	5	0.44	1 U		2 U					10 U	10 U	10 U		
1,3,5-Trimethylbenzene	13	53		120												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.47								10 U	10 U	10 U		
1,4-Dioxane	6.4	32		0.78												
2-Butanone	4000	4000		5600	10 U		20 U									
2-Chloroethyl Vinyl Ether					10 U		20 U					100 U	100 U	100 U		
2-Hexanone	11	44		38	10 U		20 U									
4-Methyl-2-Pentanone	2900	8200		1200	10 U		20 U									
Acetone	33000	92000		14000	10 U		20 U									
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.052												
Benzene	5	5	5	0.45	1 U		2 U					20 U	20 U	20 U	0 U	0 U
Bromochloromethane	90	90		83												
Bromodichloromethane	80	80		0.13	1 U		2 U					20 U	20 U	20 U	0 U	0 U
Bromoform	80	80		9.2	1 U		2 U					20 U	20 U	20 U		
Bromomethane	10	10		7.5	2 U		4 U					50 U	50 U	50 U		
Carbon Disulfide	1500	6200		810	1 U		2 U									
Carbon Tetrachloride	5	5	5	0.45	1 U		2 U					10 U	10 U	10 U	0 U	0 U
Chlorobenzene	100	100	100	78	1 U	1 U	2 U					10 U	10 U	10 U	0 U	0 U
Chlorodibromomethane	80	80		0.17	1 U		2 U					20 U	20 U	20 U		
Chloroethane	230	900		21000	2 U		4 U					10 U	10 U	10 U	0 U	0 U
Chloroform	80	80		0.22	1 U	1 U	2 U					10 U	10 U	10 U	0 U	0 U
Chloromethane				190	2 U		4 U					50 U	50 U	50 U		
cis-1,2-Dichloroethene	70	70	70	36	7	8	6								21	26
cis-1,3-Dichloropropene	6.6	26		0.47	1 U		2 U									
Ethylbenzene	700	700	700	1.5	1 U		2 U					10 U	10 U	10 U	0 U	0 U
Isopropylbenzene	840	3500		450												
Methyl tert-butyl ether	20	20		14												
Methylene chloride	5	5		11	2 U		4 U					20 U	20 U	20 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.

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-4 1/26/1994	CW-4 4/5/1994	CW-4 7/11/1994	CW-4 12/15/1994	CW-4 6/2/1995	CW-4 12/7/1995	CW-4 6/6/1996	CW-4 12/2/1996	CW-4 Dup 12/2/1996	CW-4 6/4/1997	CW-4 12/1/1998	CW-4 6/8/1999
Naphthalene	100	100		0.17												
Petroleum Hydrocarbons (TPH)				60000												
P-Xylene	10000	10000	10000	190												
Styrene	100	100	100	1200	1 U		2 U									
Tetrachloroethene	5	5	5	11	2	2	2 U	2	4	4	4	10 U	10 U	10 U	4.4	5.6
Toluene	1000	1000	1000	1100	1 U		2 U					20 U	20 U	20 U	0 U	0 U
trans-1,2-Dichloroethene	100	100	100	360			2 U					10 U	10 U	10 U	0 U	0 U
trans-1,3-Dichloropropene	6.6	26		0.47			2 U									
Trichloroethene	5	5	5	0.49	190	210	120	220	350	170	210	180	190	200	140	180
Vinyl Acetate	420	1800		410	10 U		20 U									
Vinyl Chloride	2	2	2	0.019	2 U	1 U	4 U					10 U	10 U	10 U	0 U	0 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	190	5 U		10 U									

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Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-4 12/22/1999	CW-4 6/2/2000	CW-4 12/1/2000	CW-4 6/8/2001	CW-4 12/7/2001	CW-4 6/14/2002	CW-4 12/6/2002	CW-4 6/9/2003	CW-4 12/5/2003	CW-4 6/4/2004	CW-4 12/10/2004	CW-4 6/13/2005
TOTAL VOC																
Total VOC					167	170	193.1	214.8	177.5	178.4	164.3	129.9	156.3	147.6	156.5	140.7
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.57												
1,1,1-Trichloroethane	200	200	200	8000	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076										1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.28	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	3 U	3 U	3 U
1,1,2-Trichlorofluoromethane	2000	2000		1100												
1,1,2-Trichlorotrifluoroethane	63000	170000		55000												
1,1-Dichloroethane	31	160		2.7	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U
1,1-Dichloroethene	7	7	7	280	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	2 U	2 U	2 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0075												
1,2-Dichloroethane	5	5	5	0.17	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	2 U	2 U	2 U
1,2-Dichloroethene	70	70	70													
1,2-Dichloropropane	5	5	5	0.44										1 U	1 U	1 U
1,3,5-Trimethylbenzene	13	53		120												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.47												
1,4-Dioxane	6.4	32		0.78										1000 U	1000 U	1000 U
2-Butanone	4000	4000		5600										5 U	5 U	5 U
2-Chloroethyl Vinyl Ether														5 U	5 U	5 U
2-Hexanone	11	44		38												
4-Methyl-2-Pentanone	2900	8200		1200												
Acetone	33000	92000		14000						0 U						
Acrolein	0.042	0.18		0.042										100 U	100 U	100 U
Acrylonitrile	0.72	3.7		0.052										50 U	50 U	50 U
Benzene	5	5	5	0.45	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	1 U	1 U	1 U
Bromochloromethane	90	90		83												
Bromodichloromethane	80	80		0.13	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	1 U	1 U	1 U
Bromoform	80	80		9.2										4 U	4 U	4 U
Bromomethane	10	10		7.5										5 U	5 U	5 U
Carbon Disulfide	1500	6200		810						0 U						
Carbon Tetrachloride	5	5	5	0.45	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	2 U	2 U	2 U
Chlorobenzene	100	100	100	78	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U
Chlorodibromomethane	80	80		0.17										5 U	5 U	5 U
Chloroethane	230	900		21000	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U
Chloroform	80	80		0.22	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U
Chloromethane				190										5 U	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	36	57	42	32	35	31	40	40			46	53	48
cis-1,3-Dichloropropene	6.6	26		0.47										5 U	5 U	5 U
Ethylbenzene	700	700	700	1.5	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	4 U	4 U	4 U
Isopropylbenzene	840	3500		450												
Methyl tert-butyl ether	20	20		14												
Methylene chloride	5	5		11	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	3 U	3 U	3 U

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-4 12/22/1999	CW-4 6/2/2000	CW-4 12/1/2000	CW-4 6/8/2001	CW-4 12/7/2001	CW-4 6/14/2002	CW-4 12/6/2002	CW-4 6/9/2003	CW-4 12/5/2003	CW-4 6/4/2004	CW-4 12/10/2004	CW-4 6/13/2005
Naphthalene	100	100		0.17												
Petroleum Hydrocarbons (TPH)				60000												
P-Xylene	10000	10000	10000	190												
Styrene	100	100	100	1200												
Tetrachloroethene	5	5	5	11	0 U	12	5.1	5.8	5.5	4.4	4.3	6.9	6.3	5.8	5.5	6.7
Toluene	1000	1000	1000	1100	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U
trans-1,2-Dichloroethene	100	100	100	360	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0.8 J	5 U	5 U
trans-1,3-Dichloropropene	6.6	26		0.47										5 U	5 U	5 U
Trichloroethene	5	5	5	0.49	110	116	156	174	141	134	120	123	150	95	98	86
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.019	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	190						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.

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-4 12/9/2005	CW-4 6/20/2006	CW-4 6/27/2007	CW-4 500.9 12/12/2007	CW-4 5/6/2008	CW-4 10/9/2008	CW-4 6/15/2009	CW-4 12/16/2009	CW-4 7/7/2010	CW-4 12/21/2010	CW-4 6/22/2011
TOTAL VOC															
Total VOC					116.8	152.7	114.2	59.1	99.63	82.36	105.8	89.9	80.3	80.9	91.1
Volatile Organic Compound															
1,1,1,2-Tetrachloroethane	70	70		0.57					3 U	3 U	3 U	2 U	2 U	2 U	2 U
1,1,1-Trichloroethane	200	200	200	8000	5 U	5 U	5 U	5 U	3 U	3 U	3 U	2 U	2 U	2 U	2 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	5 U	5 U	5 U	5 U	3 U	3 U	3 U	2 U	2 U	2 U	2 U
1,1,2-Trichloroethane	5	5	5	0.28	5 U	5 U	5 U	5 U	3 U	3 U	3 U	2 U	2 U	2 U	2 U
1,1,2-Trichlorofluoromethane	2000	2000		1100											
1,1,2-Trichlorotrifluoroethane	63000	170000		55000											
1,1-Dichloroethane	31	160		2.7	5 U	5 U	5 U	5 U	3 U	3 U	3 U	2 U	2 U	2 U	2 U
1,1-Dichloroethene	7	7	7	280	5 U	5 U	5 U	5 U	3 U	3 U	3 U	2 U	2 U	2 U	2 U
1,2,4-Trimethylbenzene	15	62		15											
1,2-Dibromoethane	0.05	0.05	0.05	0.0075					3 U	3 U	3 U	2 U	2 U	2 U	2 U
1,2-Dichloroethane	5	5	5	0.17	5 U	5 U	5 U	5 U	3 U	3 U	3 U	2 U	2 U	2 U	2 U
1,2-Dichloroethene	70	70	70												
1,2-Dichloropropane	5	5	5	0.44	5 U	5 U	5 U	5 U	3 U	3 U	3 U	2 U	2 U	2 U	2 U
1,3,5-Trimethylbenzene	13	53		120											
1,3-Dichlorobenzene	600	600													
1,3-Dichloropropene	6.6	26		0.47											
1,4-Dioxane	6.4	32		0.78	1000 U	1000 U	1000 U	1000 U	600 U	600 U	600 U	400 U	400 U	400 U	400 U
2-Butanone	4000	4000		5600	25 U	5 U	5 U	5 U	30 U	30 U	30 U	20 U	20 U	20 U	10 U
2-Chloroethyl Vinyl Ether					10 U	10 U	10 U	10 U							
2-Hexanone	11	44		38					30 U	30 U	30 U	20 U	20 U	20 U	10 U
4-Methyl-2-Pentanone	2900	8200		1200					30 U	30 U	30 U	20 U	20 U	20 U	10 U
Acetone	33000	92000		14000					30 U	30 U	30 U	20 U	20 U	20 U	10 U
Acrolein	0.042	0.18		0.042	100 U	100 U	100 U	100 U							
Acrylonitrile	0.72	3.7		0.052	100 U	100 U	100 U	100 U	60 U	60 U	60 U	40 U	40 U	40 U	40 U
Benzene	5	5	5	0.45	5 U	5 U	5 U	5 U	3 U	3 U	3 U	2 U	2 U	2 U	2 U
Bromochloromethane	90	90		83					3 U	3 U	3 U	2 U	2 U	2 U	2 U
Bromodichloromethane	80	80		0.13	5 U	5 U	5 U	5 U	3 U	3 U	3 U	2 U	2 U	2 U	2 U
Bromoform	80	80		9.2	5 U	5 U	5 U	5 U	3 U	3 U	3 U	2 U	2 U	2 U	2 U
Bromomethane	10	10		7.5	5 U	5 U	5 U	5 U	3 U	3 U	3 U	2 U	2 U	2 U	2 U
Carbon Disulfide	1500	6200		810					3 U	3 U	3 U	2 U	2.5	2 U	2 U
Carbon Tetrachloride	5	5	5	0.45	5 U	5 U	5 U	5 U	3 U	3 U	3 U	2 U	2 U	2 U	2 U
Chlorobenzene	100	100	100	78	5 U	5 U	5 U	5 U	3 U	3 U	3 U	2 U	2 U	2 U	2 U
Chlorodibromomethane	80	80		0.17	5 U	5 U	5 U	5 U	3 U	3 U	3 U	2 U	2 U	2 U	2 U
Chloroethane	230	900		21000	5 U	5 U	5 U	5 U	3 U	3 U	3 U	2 U	2 U	2 U	2 U
Chloroform	80	80		0.22	5 U	5 U	5 U	5 U	3 U	3 U	3 U	2 U	2 U	2 U	2 U
Chloromethane				190	5 U	5 U	5 U	5 U	3 U	3 U	3 U	2 U	2 U	2 U	2 U
cis-1,2-Dichloroethene	70	70	70	36	41	37	35	27	29	23	28	27	28	30	30
cis-1,3-Dichloropropene	6.6	26		0.47	5 U	5 U	5 U	5 U	3 U	3 U	3 U	2 U	2 U	2 U	2 U
Ethylbenzene	700	700	700	1.5	5 U	5 U	5 U	5 U	3 U	3 U	3 U	2 U	2 U	2 U	2 U
Isopropylbenzene	840	3500		450											
Methyl tert-butyl ether	20	20		14					3 U	3 U	3 U	2 U	2 U	2 U	2 U
Methylene chloride	5	5		11	5 U	5 U	5 U	5 U	0.63 J	0.96 J	3 U	2 U	1.5 J B	2.2	2 U

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-4 12/9/2005	CW-4 6/20/2006	CW-4 6/27/2007	CW-4 500.9 12/12/2007	CW-4 5/6/2008	CW-4 10/9/2008	CW-4 6/15/2009	CW-4 12/16/2009	CW-4 7/7/2010	CW-4 12/21/2010	CW-4 6/22/2011
Naphthalene	100	100		0.17											
Petroleum Hydrocarbons (TPH)				60000											
P-Xylene	10000	10000	10000	190											
Styrene	100	100	100	1200					3 U	3 U	3 U	2 U	2 U	2 U	2 U
Tetrachloroethene	5	5	5	11	5.8	5.7	6.2	1.1 J	4	4.4	5.8	4.9	4.3	4.7	6.1
Toluene	1000	1000	1000	1100	5 U	5 U	5 U	5 U	3 U	3 U	3 U	2 U	2 U	2 U	2 U
trans-1,2-Dichloroethene	100	100	100	360	5 U	5 U	5 U	5 U	3 U	3 U	3 U	2 U	2 U	2 U	2 U
trans-1,3-Dichloropropene	6.6	26		0.47	5 U	5 U	5 U	5 U	3 U	3 U	3 U	2 U	2 U	2 U	2 U
Trichloroethene	5	5	5	0.49	70	110	73	31	66	54	72	58	44	44	55
Vinyl Acetate	420	1800		410											
Vinyl Chloride	2	2	2	0.019	5 U	5 U	5 U	5 U	3 U	3 U	3 U	2 U	2 U	2 U	2 U
VOC Library Search															
Xylenes (Total)	10000	10000	10000	190					9 U	9 U	9 U	6 U	6 U	6 U	6 U

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-4 12/14/2011	CW-4 6/18/2012	CW-4 12/10/2012	CW-4 5/29/2013	CW-4 9/16/2013	CW-4 10/14/2014	CW-5 6/10/1988	CW-5 11/13/1990	CW-5 11/15/1990	CW-5 12/5/1990	CW-5 1/14/1991
TOTAL VOC															
Total VOC					75.7	84.57	71.7	82	62.5	42.8	319	1120	890	445	270
Volatile Organic Compound															
1,1,1,2-Tetrachloroethane	70	70		0.57	2 U	2 U	2 U	1 U	2 U	1.0 U					
1,1,1-Trichloroethane	200	200	200	8000	2 U	2 U	2 U	1 U	2 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	2 U	2 U	2 U	1 U	2 U	1.0 U	1 U	100 U	1 U	50 U	20 U
1,1,2-Trichloroethane	5	5	5	0.28	2 U	2 U	2 U	1 U	2 U	1.0 U	1 U	10 U	5 U	5 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1100							1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorotrifluoroethane	63000	170000		55000											
1,1-Dichloroethane	31	160		2.7	2 UJ	2 U	2 U	1 U	2 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	280	2 U	2 U	2 U	1 U	2 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	15	62		15											
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	2 U	2 U	2 U	1 U	2 U	1.0 U					
1,2-Dichloroethane	5	5	5	0.17	2 UJ	2 U	2 U	1 U	2 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70												
1,2-Dichloropropane	5	5	5	0.44	2 UJ	2 U	2 U	1 U	2 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	13	53		120											
1,3-Dichlorobenzene	600	600													
1,3-Dichloropropene	6.6	26		0.47											
1,4-Dioxane	6.4	32		0.78	400 U	400 U	400 U	200 U	400 U	200 U					
2-Butanone	4000	4000		5600	10 U	10 U	10 U	5 U	10 U	5.0 U					
2-Chloroethyl Vinyl Ether											10 U	10 U	10 U	10 U	10 U
2-Hexanone	11	44		38	10 U	10 U	10 U	5 U	10 U	5.0 U					
4-Methyl-2-Pentanone	2900	8200		1200	10 U	10 U	10 U	5 U	10 U	5.0 U					
Acetone	33000	92000		14000	10 UJ	5.2 J	10 U	5 U	10 U	5.0 U					
Acrolein	0.042	0.18		0.042											
Acrylonitrile	0.72	3.7		0.052	40 U	40 U	40 U	20 U	40 U	20 U					
Benzene	5	5	5	0.45	2 U	2 U	2 U	1 U	2 U	1.0 U	20 U	20 U	5 U	10 U	5 U
Bromochloromethane	90	90		83	2 U	2 U	2 U	1 U	2 U	1.0 U					
Bromodichloromethane	80	80		0.13	2 U	2 U	2 U	1 U	2 U	1.0 U					
Bromoform	80	80		9.2	2 U	2 U	2 U	1 U	2 U	1.0 U	2 U	2 U	2 U	2 U	2 U
Bromomethane	10	10		7.5	2 U	2 U	2 U	1 U	2 U	1.0 U	5 U	5 U	5 U	5 U	5 U
Carbon Disulfide	1500	6200		810	2 U	2 U	2 U	1 U	2 U	1.0 U					
Carbon Tetrachloride	5	5	5	0.45	2 U	2 U	2 U	1 U	2 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	78	2 U	2 U	2 U	1 U	2 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.17	2 U	2 U	2 U	1 U	2 U	1.0 U	2 U	20 U	10 U	10 U	2 U
Chloroethane	230	900		21000	2 U	2 U	2 U	1 U	2 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chloroform	80	80		0.22	2 U	2 U	2 U	1 U	2 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chloromethane				190	2 U	2 U	2 U	1 U	2 U	1.0 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	36	26	28	29	29	40	36	29	150	100	55	35
cis-1,3-Dichloropropene	6.6	26		0.47	2 U	2 U	2 U	1 U	2 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	2 U	2 U	2 U	1 U	2 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	840	3500		450											
Methyl tert-butyl ether	20	20		14	2 U	2 U	2 U	1 U	2 U	1.0 U					
Methylene chloride	5	5		11	2 U	0.49 J	2 U	1 U	2 U	1.0 U	2 U	2 U	2 U	2 U	2 U

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-4 12/14/2011	CW-4 6/18/2012	CW-4 12/10/2012	CW-4 5/29/2013	CW-4 9/16/2013	CW-4 10/14/2014	CW-5 6/10/1988	CW-5 11/13/1990	CW-5 11/15/1990	CW-5 12/5/1990	CW-5 1/14/1991
Naphthalene	100	100		0.17											
Petroleum Hydrocarbons (TPH)				60000											
P-Xylene	10000	10000	10000	190											
Styrene	100	100	100	1200	2 U	2 U	2 U	1 U	2 U	1.0 U					
Tetrachloroethene	5	5	5	11	4.7	4.4	5.7	6	3.5	1.2	40	320	280	130	55
Toluene	1000	1000	1000	1100	2 U	0.48 J	2 U	1 U	2 U	1.0 U	2 U	2 U	2 U	2 U	2 U
trans-1,2-Dichloroethene	100	100	100	360	2 U	2 U	2 U	1 U	2 U	1.0 U					
trans-1,3-Dichloropropene	6.6	26		0.47	2 U	2 U	2 U	1 U	2 U	1.0 U					
Trichloroethene	5	5	5	0.49	45	46	37	47	19	5.6	250	650	510	260	180
Vinyl Acetate	420	1800		410											
Vinyl Chloride	2	2	2	0.019	2 U	2 U	2 U	1 U	2 U	1.0 U	1 U	1 U	1 U	1 U	1 U
VOC Library Search															
Xylenes (Total)	10000	10000	10000	190	2 U	6 U	6 U	3 U	6 U	3.0 U					

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Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-5 2/7/1991	CW-5 3/6/1991	CW-5 4/24/1991	CW-5 1/30/1992	CW-5 6/11/1992	CW-5 9/24/1992	CW-5 12/18/1992	CW-5 6/21/1993	CW-5 8/30/1993	CW-5 12/1/1993	CW-5 1/26/1994	CW-5 4/5/1994
TOTAL VOC																
Total VOC					217	171	172	143	183	279	179	68	172	172	48	263
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.57												
1,1,1-Trichloroethane	200	200	200	8000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1 U	5 U	10 U	5 U	5 U	5 U	5 U	1 U			1 U	
1,1,2-Trichloroethane	5	5	5	0.28	1 U	1 U	1 U	1 U	2 U	5 U	1 U	1 U			1 U	
1,1,2-Trichlorofluoromethane	2000	2000		1100	1 U	1 U	1 U	1 U	1 U	1 U	1 U					
1,1,2-Trichlorotrifluoroethane	63000	170000		55000												
1,1-Dichloroethane	31	160		2.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	280	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0075												
1,2-Dichloroethane	5	5	5	0.17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70													
1,2-Dichloropropane	5	5	5	0.44	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U			1 U	
1,3,5-Trimethylbenzene	13	53		120												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.47												
1,4-Dioxane	6.4	32		0.78												
2-Butanone	4000	4000		5600								1 U			10 U	
2-Chloroethyl Vinyl Ether					10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 U	
2-Hexanone	11	44		38								10 U			10 U	
4-Methyl-2-Pentanone	2900	8200		1200								10 U			10 U	
Acetone	33000	92000		14000								10 U			10 U	
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.052												
Benzene	5	5	5	0.45	5 U	5 U	2 U	2 U	2 U	5 U	5 U	1 U			1 U	
Bromochloromethane	90	90		83												
Bromodichloromethane	80	80		0.13								1 U			1 U	
Bromoform	80	80		9.2	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U			1 U	
Bromomethane	10	10		7.5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U			2 U	
Carbon Disulfide	1500	6200		810								1 U			1 U	
Carbon Tetrachloride	5	5	5	0.45	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U			1 U	
Chlorobenzene	100	100	100	78	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.17	2 U	2 U	2 U	2 U	5 U	10 U	5 U	1 U			1 U	
Chloroethane	230	900		21000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U			2 U	
Chloroform	80	80		0.22	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane				190	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 U			2 U	
cis-1,2-Dichloroethene	70	70	70	36	32	28	29	47	52	68	42	19	59	38	8	11
cis-1,3-Dichloropropene	6.6	26		0.47	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U			1 U	
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U			1 U	
Isopropylbenzene	840	3500		450												
Methyl tert-butyl ether	20	20		14												
Methylene chloride	5	5		11	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U			2 U	

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-5 2/7/1991	CW-5 3/6/1991	CW-5 4/24/1991	CW-5 1/30/1992	CW-5 6/11/1992	CW-5 9/24/1992	CW-5 12/18/1992	CW-5 6/21/1993	CW-5 8/30/1993	CW-5 12/1/1993	CW-5 1/26/1994	CW-5 4/5/1994
Naphthalene	100	100		0.17												
Petroleum Hydrocarbons (TPH)				60000												
P-Xylene	10000	10000	10000	190												
Styrene	100	100	100	1200								1 U			1 U	
Tetrachloroethene	5	5	5	11	55	43	33	16	21	41	27	6	13	34	7	12
Toluene	1000	1000	1000	1100	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U			1 U	
trans-1,2-Dichloroethene	100	100	100	360								1 U				
trans-1,3-Dichloropropene	6.6	26		0.47												
Trichloroethene	5	5	5	0.49	130	100	110	80	110	170	110	43	100	100	33	240
Vinyl Acetate	420	1800		410								10 U			10 U	
Vinyl Chloride	2	2	2	0.019	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U	2 U	1 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	190								5 U			5 U	

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Parameter / Location/ID / Depth (ft.) / Sample Date	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	CW-5 7/11/1994	CW-5 12/15/1994	CW-5 6/2/1995	CW-5 12/7/1995	CW-5 6/6/1996	CW-5 12/2/1996	CW-5 6/4/1997	CW-5 12/1/1998	CW-5 6/8/1999	CW-5 12/22/1999	CW-5 6/2/2000	CW-5 12/1/2000
TOTAL VOC																
Total VOC					112	8	27	70	59	45	44	162.5	52	50.1	60.1	47.8
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.57												
1,1,1-Trichloroethane	200	200	200	8000	1 U					1 U	1 U	0 U	0 U	0 U	0 U	0 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1 U					1 U	1 U					
1,1,2-Trichloroethane	5	5	5	0.28	1 U					1 U	1 U	0 U	0 U	0 U	0 U	0 U
1,1,2-Trichlorofluoromethane	2000	2000		1100												
1,1,2-Trichlorotrifluoroethane	63000	170000		55000												
1,1-Dichloroethane	31	160		2.7	1 U					1 U	1 U	0 U	0 U	0 U	0 U	0 U
1,1-Dichloroethene	7	7	7	280	1 U					1 U	1 U	0 U	0 U	0 U	0 U	0 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0075												
1,2-Dichloroethane	5	5	5	0.17	1 U					1 U	1 U	0 U	0 U	0 U	0 U	0 U
1,2-Dichloroethene	70	70	70					20	16							
1,2-Dichloropropane	5	5	5	0.44	1 U					1 U	1 U					
1,3,5-Trimethylbenzene	13	53		120												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.47						1 U	1 U					
1,4-Dioxane	6.4	32		0.78												
2-Butanone	4000	4000		5600	10 U											
2-Chloroethyl Vinyl Ether					10 U					10 U	10 U					
2-Hexanone	11	44		38	10 U											
4-Methyl-2-Pentanone	2900	8200		1200	10 U											
Acetone	33000	92000		14000	10 U											
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.052												
Benzene	5	5	5	0.45	1 U					2 U	2 U	0 U	0 U	0 U	0 U	0 U
Bromochloromethane	90	90		83												
Bromodichloromethane	80	80		0.13	1 U					2 U	2 U	0 U	0 U	0 U	0 U	0 U
Bromoform	80	80		9.2	1 U					2 U	2 U					
Bromomethane	10	10		7.5	2 U					5 U	5 U					
Carbon Disulfide	1500	6200		810	1 U											
Carbon Tetrachloride	5	5	5	0.45	1 U					1 U	1 U	0 U	0 U	0 U	0 U	0 U
Chlorobenzene	100	100	100	78	1 U					1 U	1 U	0 U	0 U	0 U	0 U	0 U
Chlorodibromomethane	80	80		0.17	1 U					2 U	2 U					
Chloroethane	230	900		21000	2 U					1 U	1 U	0 U	0 U	0 U	0 U	0 U
Chloroform	80	80		0.22	1 U					1 U	1 U	0 U	0 U	0 U	0 U	0 U
Chloromethane				190	2 U					5 U	5 U					
cis-1,2-Dichloroethene	70	70	70	36	30							72	16	23	12	20
cis-1,3-Dichloropropene	6.6	26		0.47	1 U											
Ethylbenzene	700	700	700	1.5	1 U					1 U	1 U	0 U	0 U	0 U	0 U	0 U
Isopropylbenzene	840	3500		450												
Methyl tert-butyl ether	20	20		14												
Methylene chloride	5	5		11	2 U					2 U	2 U	0 U	0 U	0 U	0 U	0 U

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-5 7/11/1994	CW-5 12/15/1994	CW-5 6/2/1995	CW-5 12/7/1995	CW-5 6/6/1996	CW-5 12/2/1996	CW-5 6/4/1997	CW-5 12/1/1998	CW-5 6/8/1999	CW-5 12/22/1999	CW-5 6/2/2000	CW-5 12/1/2000
Naphthalene	100	100		0.17												
Petroleum Hydrocarbons (TPH)				60000												
P-Xylene	10000	10000	10000	190												
Styrene	100	100	100	1200	1 U											
Tetrachloroethene	5	5	5	11	15	5	6	11	8	7	9	11	7	6.1	9.1	4.8
Toluene	1000	1000	1000	1100	1 U					2 U	2 U	0 U	0 U	0 U	0 U	0 U
trans-1,2-Dichloroethene	100	100	100	360	1 U					1 U	1 U	1.5	0 U	0 U	0 U	0 U
trans-1,3-Dichloropropene	6.6	26		0.47	1 U											
Trichloroethene	5	5	5	0.49	67	3	21	39	35	38	35	78	29	21	39	23
Vinyl Acetate	420	1800		410	10 U											
Vinyl Chloride	2	2	2	0.019	2 U					1 U	1 U	0 U	0 U	0 U	0 U	0 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	190	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.

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-5 6/8/2001	CW-5 12/7/2001	CW-5 6/14/2002	CW-5 12/6/2002	CW-5 6/9/2003	CW-5 12/5/2003	CW-5 6/4/2004	CW-5 12/10/2004	CW-5 6/13/2005	CW-5 12/9/2005	CW-5 6/20/2006	CW-5 6/19/2007
TOTAL VOC																
Total VOC					45.6	158.4	37.6	22.9	65.6	11.8	37.3	98	191	5.6	52.9	18.1
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.57												
1,1,1-Trichloroethane	200	200	200	8000	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U	1 U	5 U	5 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076							1 U	1 U	1 U	1 U	5 U	5 U
1,1,2-Trichloroethane	5	5	5	0.28	0 U	0 U	0 U	0 U	0 U	0 U	3 U	3 U	3 U	1 U	5 U	5 U
1,1,2-Trichlorofluoromethane	2000	2000		1100												
1,1,2-Trichlorotrifluoroethane	63000	170000		55000												
1,1-Dichloroethane	31	160		2.7	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U	1 U	5 U	5 U
1,1-Dichloroethene	7	7	7	280	0 U	0 U	0 U	0 U	0 U	0 U	2 U	2 U	2 U	1 U	5 U	5 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0075												
1,2-Dichloroethane	5	5	5	0.17	0 U	0 U	0 U	0 U	0 U	0 U	2 U	2 U	2 U	1 U	5 U	5 U
1,2-Dichloroethene	70	70	70													
1,2-Dichloropropane	5	5	5	0.44							1 U	1 U	1 U	1 U	5 U	5 U
1,3,5-Trimethylbenzene	13	53		120												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.47												
1,4-Dioxane	6.4	32		0.78							1000 U	1000 U	1000 U	200 U	1000 U	1000 U
2-Butanone	4000	4000		5600							5 U	5 U	5 U	5 U	5 U	5 U
2-Chloroethyl Vinyl Ether											5 U	5 U	5 U	2 U	10 U	10 U
2-Hexanone	11	44		38												
4-Methyl-2-Pentanone	2900	8200		1200												
Acetone	33000	92000		14000			0 U									
Acrolein	0.042	0.18		0.042							100 U	100 U	100 U	20 U	100 U	100 U
Acrylonitrile	0.72	3.7		0.052							50 U	50 U	50 U	20 U	100 U	100 U
Benzene	5	5	5	0.45	0 U	0 U	0 U	0 U	0 U	0 U	1 U	1 U	1 U	1 U	5 U	5 U
Bromochloromethane	90	90		83												
Bromodichloromethane	80	80		0.13	0 U	0 U	0 U	0 U	0 U	0 U	1 U	1 U	1 U	1 U	5 U	5 U
Bromoform	80	80		9.2							4 U	4 U	4 U	1 U	5 U	5 U
Bromomethane	10	10		7.5							5 U	5 U	5 U	1 U	5 U	5 U
Carbon Disulfide	1500	6200		810			0 U									
Carbon Tetrachloride	5	5	5	0.45	0 U	0 U	0 U	0 U	0 U	0 U	2 U	2 U	2 U	1 U	5 U	5 U
Chlorobenzene	100	100	100	78	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U	1 U	5 U	5 U
Chlorodibromomethane	80	80		0.17							5 U	5 U	5 U	1 U	5 U	5 U
Chloroethane	230	900		21000	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U	1 U	5 U	5 U
Chloroform	80	80		0.22	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U	0.1 J	5 U	5 U
Chloromethane				190							5 U	5 U	5 U	1 U	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	36	11	59	7.6	3.1			7.3	23	31	2	17	6.4
cis-1,3-Dichloropropene	6.6	26		0.47							5 U	5 U	5 U	1 U	5 U	5 U
Ethylbenzene	700	700	700	1.5	0 U	0 U	0 U	0 U	0 U	0 U	4 U	4 U	4 U	1 U	5 U	5 U
Isopropylbenzene	840	3500		450												
Methyl tert-butyl ether	20	20		14												
Methylene chloride	5	5		11	0 U	0 U	0 U	0 U	0 U	0 U	3 U	3 U	3 U	1 U	5 U	5 U

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-5 6/8/2001	CW-5 12/7/2001	CW-5 6/14/2002	CW-5 12/6/2002	CW-5 6/9/2003	CW-5 12/5/2003	CW-5 6/4/2004	CW-5 12/10/2004	CW-5 6/13/2005	CW-5 12/9/2005	CW-5 6/20/2006	CW-5 6/19/2007
Naphthalene	100	100		0.17												
Petroleum Hydrocarbons (TPH)				60000												
P-Xylene	10000	10000	10000	190												
Styrene	100	100	100	1200												
Tetrachloroethene	5	5	5	11	6.6	13	0 U	2.8	5.3	5.3	18	46	110	1.4	5.9	4.1 J
Toluene	1000	1000	1000	1100	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U	1 U	5 U	5 U
trans-1,2-Dichloroethene	100	100	100	360	0 U	1.4	0 U	0 U	0 U	0 U	5 U	5 U	5 U	1 U	5 U	5 U
trans-1,3-Dichloropropene	6.6	26		0.47							5 U	5 U	5 U	1 U	5 U	5 U
Trichloroethene	5	5	5	0.49	28	85	30	17	60.3	6.5	12	29	50	2.1	30	7.6
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.019	0 U	0 U	0 U	0 U	0 U	0 U	5 U	5 U	5 U	1 U	5 U	5 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	190			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.

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Parameter	Location/ID Depth (ft.) Sample Date	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	CW-5 421.44 12/12/2007	CW-5 5/6/2008	CW-5 10/9/2008	CW-5 6/15/2009	CW-5 12/16/2009	CW-5 7/7/2010	CW-5 12/21/2010	CW-5 6/22/2011	CW-5 12/14/2011	CW-5 6/18/2012	CW-5 12/10/2012
TOTAL VOC																
Total VOC						18.8	3.43	47.7	10.82	8.2	30.39	14.2	8.87	5.08	14.44	5.69
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane		70	70		0.57		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane		200	200	200	8000	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane		0.84	4.3		0.076	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane		5	5	5	0.28	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane		2000	2000		1100											
1,1,2-Trichlorotrifluoroethane		63000	170000		55000											
1,1-Dichloroethane		31	160		2.7	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
1,1-Dichloroethene		7	7	7	280	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene		15	62		15											
1,2-Dibromoethane		0.05	0.05	0.05	0.0075		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane		5	5	5	0.17	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
1,2-Dichloroethene		70	70	70												
1,2-Dichloropropane		5	5	5	0.44	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
1,3,5-Trimethylbenzene		13	53		120											
1,3-Dichlorobenzene		600	600													
1,3-Dichloropropene		6.6	26		0.47											
1,4-Dioxane		6.4	32		0.78	1000 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U
2-Butanone		4000	4000		5600	5 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5 U	0.69 J	0.89 J
2-Chloroethyl Vinyl Ether						10 U										
2-Hexanone		11	44		38		10 U	10 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone		2900	8200		1200		10 U	10 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U
Acetone		33000	92000		14000		10 U	10 U	10 U	10 U	10 U	10 U	5 U	5 UJ	5	5 U
Acrolein		0.042	0.18		0.042	100 U										
Acrylonitrile		0.72	3.7		0.052	100 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Benzene		5	5	5	0.45	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromochloromethane		90	90		83		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane		80	80		0.13	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform		80	80		9.2	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane		10	10		7.5	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide		1500	6200		810		1 U	1 U	1 U	1 U	0.49 J B	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride		5	5	5	0.45	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene		100	100	100	78	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane		80	80		0.17	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane		230	900		21000	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform		80	80		0.22	5 U	0.17 J	1 U	0.22 J	1 U	1 U	1 U	0.17 J	0.18 J	1 U	1 U
Chloromethane					190	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene		70	70	70	36	9	0.46 J	14	3.6	1.5	5	5.4	3.1	1.6	2.3	1.1
cis-1,3-Dichloropropene		6.6	26		0.47	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene		700	700	700	1.5	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene		840	3500		450											
Methyl tert-butyl ether		20	20		14		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene chloride		5	5		11	5 U	1 U	1 U	1 U	1 U	1 U	0.2 J	1 U	1 U	1 U	1 U

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Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-5 421.44 12/12/2007	CW-5 5/6/2008	CW-5 10/9/2008	CW-5 6/15/2009	CW-5 12/16/2009	CW-5 7/7/2010	CW-5 12/21/2010	CW-5 6/22/2011	CW-5 12/14/2011	CW-5 6/18/2012	CW-5 12/10/2012
Naphthalene	100	100		0.17											
Petroleum Hydrocarbons (TPH)				60000											
P-Xylene	10000	10000	10000	190											
Styrene	100	100	100	1200		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	5	5	11	2.3 J	1.7	1.7	3.2	4	17	3.6	2.5	1.6	2.4	1.9
Toluene	1000	1000	1000	1100	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.35 J	1 U
trans-1,2-Dichloroethene	100	100	100	360	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.47	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	5	5	0.49	7.5	1.1	32	3.8	2.7	7.9 B	5	3.1	1.7	3.7	1.8
Vinyl Acetate	420	1800		410											
Vinyl Chloride	2	2	2	0.019	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
VOC Library Search															
Xylenes (Total)	10000	10000	10000	190		3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-5 5/29/2013	CW-5 9/16/2013	CW-5 10/16/2014	CW-6 8/2/1989	CW-6 11/13/1990	CW-6 11/15/1990	CW-6 12/5/1990	CW-6 1/14/1991	CW-6 2/7/1991	CW-6 3/6/1991	CW-6 4/24/1991	CW-6 1/30/1992
TOTAL VOC																
Total VOC					8.5	14.9	36.7	980	844	1060	447	832	2110	599	670	388
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.57	1 U	1 U	1.0 U									
1,1,1-Trichloroethane	200	200	200	8000	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1 U	1 U	1.0 U	50 U	1 U	1 U	50 U	200 U	200 U	50 U	50 U	1 U
1,1,2-Trichloroethane	5	5	5	0.28	1 U	1 U	1.0 U	10 U	5 U	10 U	5 U	1 U	10 U	2 U	5 U	2 U
1,1,2-Trichlorofluoromethane	2000	2000		1100				1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorotrifluoroethane	63000	170000		55000												
1,1-Dichloroethane	31	160		2.7	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	280	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	1 U	1 U	1.0 U									
1,2-Dichloroethane	5	5	5	0.17	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70													
1,2-Dichloropropane	5	5	5	0.44	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	13	53		120												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.47												
1,4-Dioxane	6.4	32		0.78	200 U	200 U	200 U									
2-Butanone	4000	4000		5600	5 U	5 U	5.0 U									
2-Chloroethyl Vinyl Ether								10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	11	44		38	5 U	5 U	5.0 U									
4-Methyl-2-Pentanone	2900	8200		1200	5 U	5 U	5.0 U									
Acetone	33000	92000		14000	5 U	5 U	5.0 U									
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.052	20 U	20 U	20 U									
Benzene	5	5	5	0.45	1 U	1 U	1.0 U	2 U	50 U	5 U	10 U	20 U	50 U	10 U	20 U	5 U
Bromochloromethane	90	90		83	1 U	1 U	1.0 U									
Bromodichloromethane	80	80		0.13	1 U	1 U	1.0 U									
Bromoform	80	80		9.2	1 U	1 U	1.0 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bromomethane	10	10		7.5	1 U	1 U	1.0 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Disulfide	1500	6200		810	1 U	1 U	1.0 U									
Carbon Tetrachloride	5	5	5	0.45	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	78	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.17	1 U	1 U	1.0 U	20 U	10 U	20 U	10 U	2 U	20 U	5 U	10 U	5 U
Chloroethane	230	900		21000	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	80	80		0.22	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane				190	1 U	1 U	1.0 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	36	1.9	2.1	4.5	90	64	100	47	72	180	69	70	78
cis-1,3-Dichloropropene	6.6	26		0.47	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	840	3500		450												
Methyl tert-butyl ether	20	20		14	1 U	1 U	1.0 U									
Methylene chloride	5	5		11	1 U	1 U	1.0 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-5 5/29/2013	CW-5 9/16/2013	CW-5 10/16/2014	CW-6 8/2/1989	CW-6 11/13/1990	CW-6 11/15/1990	CW-6 12/5/1990	CW-6 1/14/1991	CW-6 2/7/1991	CW-6 3/6/1991	CW-6 4/24/1991	CW-6 1/30/1992
Naphthalene	100	100		0.17												
Petroleum Hydrocarbons (TPH)				60000												
P-Xylene	10000	10000	10000	190												
Styrene	100	100	100	1200	1 U	1 U	1.0 U									
Tetrachloroethene	5	5	5	11	2.5	7.4	24	290	220	280	170	390	960	240	290	130
Toluene	1000	1000	1000	1100	1 U	1 U	1.0 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
trans-1,2-Dichloroethene	100	100	100	360	1 U	1 U	1.0 U									
trans-1,3-Dichloropropene	6.6	26		0.47	1 U	1 U	1.0 U									
Trichloroethene	5	5	5	0.49	4.1	5.4	8.2	600	560	680	230	370	970	290	310	180
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.019	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	190	3 U	3 U	3.0 U									

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Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-6 6/11/1992	CW-6 9/24/1992	CW-6 12/18/1992	CW-6 6/21/1993	CW-6 8/30/1993	CW-6 12/1/1993	CW-6 1/26/1994	CW-6 4/5/1994	CW-6 7/11/1994	CW-6 12/15/1994	CW-6 6/2/1995	CW-6 12/7/1995
TOTAL VOC																
Total VOC					542	650	134	372	118	525	480	528	278	810	853	204
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.57												
1,1,1-Trichloroethane	200	200	200	8000	2	1 U			1 U	1 U	5 U	1 U	2 U			
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	20 U	50 U					5 U		2 U			
1,1,2-Trichloroethane	5	5	5	0.28	2 U	5 U					5 U		2 U			
1,1,2-Trichlorofluoromethane	2000	2000		1100	1 U	1 U										
1,1,2-Trichlorotrifluoroethane	63000	170000		55000												
1,1-Dichloroethane	31	160		2.7	1 U	1 U			1 U	1 U	5 U	1 U	2 U			
1,1-Dichloroethene	7	7	7	280	1 U	1 U			1 U	1 U	5 U	1 U	2 U			
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0075												
1,2-Dichloroethane	5	5	5	0.17	1 U	1 U			1 U	1 U	5 U	1 U	2 U			
1,2-Dichloroethene	70	70	70											90	83	42
1,2-Dichloropropane	5	5	5	0.44	1 U	1 U					5 U		2 U			
1,3,5-Trimethylbenzene	13	53		120												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.47												
1,4-Dioxane	6.4	32		0.78												
2-Butanone	4000	4000		5600							50 U		20 U			
2-Chloroethyl Vinyl Ether					10 U	10 U					50 U		20 U			
2-Hexanone	11	44		38							50 U		20 U			
4-Methyl-2-Pentanone	2900	8200		1200							50 U		20 U			
Acetone	33000	92000		14000							50 U		20 U			
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.052												
Benzene	5	5	5	0.45	5 U	5 U					5 U		2 U			
Bromochloromethane	90	90		83												
Bromodichloromethane	80	80		0.13							5 U		2 U			
Bromoform	80	80		9.2	2 U	2 U					5 U		2 U			
Bromomethane	10	10		7.5	5 U	5 U					10 U		4 U			
Carbon Disulfide	1500	6200		810							5 U		2 U			
Carbon Tetrachloride	5	5	5	0.45	1 U	1 U					5 U		2 U			
Chlorobenzene	100	100	100	78	1 U	1 U			1 U	1 U	5 U	1 U	2 U			
Chlorodibromomethane	80	80		0.17	5 U	10 U					5 U		2 U			
Chloroethane	230	900		21000	1 U	1 U					10 U		4 U			
Chloroform	80	80		0.22	2 U	5 U			1 U	1 U	5 U	1 U	2 U			
Chloromethane				190	5 U	5 U					10 U		4 U			
cis-1,2-Dichloroethene	70	70	70	36	90	100	21	52	10	95	100	88	58			
cis-1,3-Dichloropropene	6.6	26		0.47	1 U	1 U					5 U		2 U			
Ethylbenzene	700	700	700	1.5	1 U	1 U					5 U		2 U			
Isopropylbenzene	840	3500		450												
Methyl tert-butyl ether	20	20		14												
Methylene chloride	5	5		11	2 U	2 U					10 U		4 U			

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Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-6 6/11/1992	CW-6 9/24/1992	CW-6 12/18/1992	CW-6 6/21/1993	CW-6 8/30/1993	CW-6 12/1/1993	CW-6 1/26/1994	CW-6 4/5/1994	CW-6 7/11/1994	CW-6 12/15/1994	CW-6 6/2/1995	CW-6 12/7/1995
Naphthalene	100	100		0.17												
Petroleum Hydrocarbons (TPH)				60000												
P-Xylene	10000	10000	10000	190												
Styrene	100	100	100	1200							5 U		2 U			
Tetrachloroethene	5	5	5	11	200	270	31	120	30	220	190	240	110	410	460	52
Toluene	1000	1000	1000	1100	2 U	2 U					5 U		2 U			
trans-1,2-Dichloroethene	100	100	100	360									2 U			
trans-1,3-Dichloropropene	6.6	26		0.47									2 U			
Trichloroethene	5	5	5	0.49	250	280	82	200	78	210	190	200	110	310	310	110
Vinyl Acetate	420	1800		410							50 U		20 U			
Vinyl Chloride	2	2	2	0.019	1 U	1 U			1 U	1 U	10 U	1 U	4 U			
VOC Library Search																
Xylenes (Total)	10000	10000	10000	190							25 U		10 U			

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-6 6/6/1996	CW-6 12/2/1996	CW-6 6/4/1997	CW-6 12/1/1998	CW-6 6/8/1999	CW-6 12/22/1999	CW-6 6/2/2000	CW-6 12/1/2000	CW-6 6/8/2001	CW-6 12/7/2001	CW-6 6/14/2002	CW-6 12/6/2002
TOTAL VOC																
Total VOC					458	310	110	176	263	279	569	224	325	163	233	239
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.57												
1,1,1-Trichloroethane	200	200	200	8000		10 U	10 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076		10 U	10 U									
1,1,2-Trichloroethane	5	5	5	0.28		10 U	10 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
1,1,2-Trichlorofluoromethane	2000	2000		1100												
1,1,2-Trichlorotrifluoroethane	63000	170000		55000												
1,1-Dichloroethane	31	160		2.7		10 U	10 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
1,1-Dichloroethene	7	7	7	280		10 U	10 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0075												
1,2-Dichloroethane	5	5	5	0.17		10 U	10 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
1,2-Dichloroethene	70	70	70		78											
1,2-Dichloropropane	5	5	5	0.44		10 U	10 U									
1,3,5-Trimethylbenzene	13	53		120												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.47		10 U	10 U									
1,4-Dioxane	6.4	32		0.78												
2-Butanone	4000	4000		5600												
2-Chloroethyl Vinyl Ether						100 U	100 U									
2-Hexanone	11	44		38												
4-Methyl-2-Pentanone	2900	8200		1200												
Acetone	33000	92000		14000											0 U	
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.052												
Benzene	5	5	5	0.45		20 U	20 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Bromochloromethane	90	90		83												
Bromodichloromethane	80	80		0.13		20 U	20 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Bromoform	80	80		9.2		20 U	20 U									
Bromomethane	10	10		7.5		50 U	50 U									
Carbon Disulfide	1500	6200		810											0 U	
Carbon Tetrachloride	5	5	5	0.45		10 U	10 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Chlorobenzene	100	100	100	78		10 U	10 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Chlorodibromomethane	80	80		0.17		20 U	20 U									
Chloroethane	230	900		21000		10 U	10 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Chloroform	80	80		0.22		10 U	10 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Chloromethane				190		50 U	50 U									
cis-1,2-Dichloroethene	70	70	70	36				59	68	59	59	55	69	50	66	61
cis-1,3-Dichloropropene	6.6	26		0.47												
Ethylbenzene	700	700	700	1.5		10 U	10 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Isopropylbenzene	840	3500		450												
Methyl tert-butyl ether	20	20		14												
Methylene chloride	5	5		11		20 U	20 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-6 6/6/1996	CW-6 12/2/1996	CW-6 6/4/1997	CW-6 12/1/1998	CW-6 6/8/1999	CW-6 12/22/1999	CW-6 6/2/2000	CW-6 12/1/2000	CW-6 6/8/2001	CW-6 12/7/2001	CW-6 6/14/2002	CW-6 12/6/2002
Naphthalene	100	100		0.17												
Petroleum Hydrocarbons (TPH)				60000												
P-Xylene	10000	10000	10000	190												
Styrene	100	100	100	1200												
Tetrachloroethene	5	5	5	11	210	180	10 U	43	101	120	393	102	164	71	104	117
Toluene	1000	1000	1000	1100		20 U	20 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
trans-1,2-Dichloroethene	100	100	100	360		10 U	10 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
trans-1,3-Dichloropropene	6.6	26		0.47												
Trichloroethene	5	5	5	0.49	170	130	110	74	94	100	117	67	92	42	63	61
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.019		10 U	10 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	190											0 U	

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Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-6 6/9/2003	CW-6 12/5/2003	CW-6 6/4/2004	CW-6 12/9/2005	CW-6 6/20/2006	CW-6 6/19/2007	CW-6 410.77 12/12/2007	CW-6 5/6/2008	CW-6 10/9/2008	CW-6 6/16/2009	CW-6 1/13/2010	CW-6 7/7/2010
TOTAL VOC																
Total VOC					297.6	261.2	310	285	206	256	156	130	121	112.72	62.3	71.8
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.57								2 U	2 U	2 U	1 U	2 U
1,1,1-Trichloroethane	200	200	200	8000	0 U	0 U	5 U	8 U	5 U	5 U	5 U	2 U	2 U	2 U	1 U	2 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076			1 U	8 U	5 U	5 U	5 U	2 U	2 U	2 U	1 U	2 U
1,1,2-Trichloroethane	5	5	5	0.28	0 U	0 U	3 U	8 U	5 U	5 U	5 U	2 U	2 U	2 U	1 U	2 U
1,1,2-Trichlorofluoromethane	2000	2000		1100												
1,1,2-Trichlorotrifluoroethane	63000	170000		55000												
1,1-Dichloroethane	31	160		2.7	0 U	0 U	5 U	8 U	5 U	5 U	5 U	2 U	2 U	2 U	1 U	2 U
1,1-Dichloroethene	7	7	7	280	0 U	0 U	2 U	8 U	5 U	5 U	5 U	2 U	2 U	2 U	1 U	2 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0075								2 U	2 U	2 U	1 U	2 U
1,2-Dichloroethane	5	5	5	0.17	0 U	0 U	2 U	8 U	5 U	5 U	5 U	2 U	2 U	2 U	1 U	2 U
1,2-Dichloroethene	70	70	70													
1,2-Dichloropropane	5	5	5	0.44			1 U	8 U	5 U	5 U	5 U	2 U	2 U	2 U	1 U	2 U
1,3,5-Trimethylbenzene	13	53		120												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.47												
1,4-Dioxane	6.4	32		0.78			1000 U	1600 U	1000 U	1000 U	1000 U	400 U	400 U	400 U	200 U	400 U
2-Butanone	4000	4000		5600			5 U	40 U	5 U	5 U	5 U	20 U	20 U	20 U	10 U	20 U
2-Chloroethyl Vinyl Ether							5 U	16 U	10 U	10 U	10 U					
2-Hexanone	11	44		38								20 U	20 U	20 U	10 U	20 U
4-Methyl-2-Pentanone	2900	8200		1200								20 U	20 U	20 U	10 U	20 U
Acetone	33000	92000		14000								20 U	20 U	20 U	3.2 J	20 U
Acrolein	0.042	0.18		0.042			100 U	160 U	100 U	100 U	100 U					
Acrylonitrile	0.72	3.7		0.052			50 U	160 U	100 U	100 U	100 U	40 U	40 U	40 U	20 U	40 U
Benzene	5	5	5	0.45	0 U	0 U	1 U	8 U	5 U	5 U	5 U	2 U	2 U	2 U	1 U	2 U
Bromochloromethane	90	90		83								2 U	2 U	2 U	1 U	2 U
Bromodichloromethane	80	80		0.13	0 U	0 U	1 U	8 U	5 U	5 U	5 U	2 U	2 U	2 U	1 U	2 U
Bromoform	80	80		9.2			4 U	8 U	5 U	5 U	5 U	2 U	2 U	2 U	1 U	2 U
Bromomethane	10	10		7.5			5 U	8 U	5 U	5 U	5 U	2 U	2 U	2 U	1 U	2 U
Carbon Disulfide	1500	6200		810								2 U	2 U	2 U	1 U	4.1
Carbon Tetrachloride	5	5	5	0.45	0 U	0 U	2 U	8 U	5 U	5 U	5 U	2 U	2 U	2 U	1 U	2 U
Chlorobenzene	100	100	100	78	0 U	0 U	5 U	8 U	5 U	5 U	5 U	2 U	2 U	2 U	1 UJ	2 U
Chlorodibromomethane	80	80		0.17			5 U	8 U	5 U	5 U	5 U	2 U	2 U	2 U	1 U	2 U
Chloroethane	230	900		21000	0 U	0 U	5 U	8 U	5 U	5 U	5 U	2 U	2 U	2 U	1 U	2 U
Chloroform	80	80		0.22	0 U	0 U	5 U	8 U	5 U	5 U	5 U	2 U	2 U	2 U	1 U	2 U
Chloromethane				190			5 U	8 U	5 U	5 U	5 U	2 U	2 U	2 U	1 U	2 U
cis-1,2-Dichloroethene	70	70	70	36			52	60	54	53	62	38	33	30	19	15
cis-1,3-Dichloropropene	6.6	26		0.47			5 U	8 U	5 U	5 U	5 U	2 U	2 U	2 U	1 U	2 U
Ethylbenzene	700	700	700	1.5	0 U	0 U	4 U	8 U	5 U	5 U	5 U	2 U	2 U	2 U	1 U	2 U
Isopropylbenzene	840	3500		450												
Methyl tert-butyl ether	20	20		14								2 U	2 U	2 U	1 U	2 U
Methylene chloride	5	5		11	0 U	0 U	3 U	8 U	5 U	5 U	5 U	2 U	2 U	0.72 J B	1 U	1.4 J B

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-6 6/9/2003	CW-6 12/5/2003	CW-6 6/4/2004	CW-6 12/9/2005	CW-6 6/20/2006	CW-6 6/19/2007	CW-6 410.77 12/12/2007	CW-6 5/6/2008	CW-6 10/9/2008	CW-6 6/16/2009	CW-6 1/13/2010	CW-6 7/7/2010
Naphthalene	100	100		0.17												
Petroleum Hydrocarbons (TPH)				60000												
P-Xylene	10000	10000	10000	190												
Styrene	100	100	100	1200								2 U	2 U	2 U	1 U	2 U
Tetrachloroethene	5	5	5	11	216	176	200	170	110	160	63	70	69	64	32	42
Toluene	1000	1000	1000	1100	0 U	0 U	5 U	8 U	5 U	5 U	5 U	2 U	2 U	2 U	1 U	2 U
trans-1,2-Dichloroethene	100	100	100	360	0 U	0 U	5 U	8 U	5 U	5 U	5 U	2 U	2 U	2 U	0.2 J	2 U
trans-1,3-Dichloropropene	6.6	26		0.47			5 U	8 U	5 U	5 U	5 U	2 U	2 U	2 U	1 U	2 U
Trichloroethene	5	5	5	0.49	81.6	85.2	58	55	42	43	31	22	19	18	7.9 J	9.3
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.019	0 U	0 U	5 U	8 U	5 U	5 U	5 U	2 U	2 U	2 U	1 U	2 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	190								6 U	6 U	6 U	3 U	6 U

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Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-6 12/21/2010	CW-6 6/22/2011	CW-6 12/14/2011	CW-6 6/18/2012	CW-6 Dup 6/18/2012	CW-6 12/10/2012	CW-6 5/30/2013	CW-6 9/16/2013	CW-6 10/16/2014	CW-7 8/1/1989	CW-7 11/14/1990
TOTAL VOC															
Total VOC					139.2	144	126.9	134.2	121.8	127	170	77.73	47.5	498	7
Volatile Organic Compound															
1,1,1,2-Tetrachloroethane	70	70		0.57	5 U	5 U	5 U	5 U	5 U	5 U	8 U	1 U	1.0 UJ		
1,1,1-Trichloroethane	200	200	200	8000	5 U	5 U	5 U	5 U	5 U	5 U	8 U	1 U	1.0 UJ	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	5 U	5 U	5 U	5 U	5 U	5 U	8 U	1 U	1.0 UJ	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.28	5 U	5 U	5 U	5 U	5 U	5 U	8 U	1 U	1.0 UJ	5 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1100										1 U	1 U
1,1,2-Trichlorotrifluoroethane	63000	170000		55000											
1,1-Dichloroethane	31	160		2.7	5 U	5 U	5 UJ	5 U	5 U	5 U	8 U	1 U	1.0 UJ	1 U	1 U
1,1-Dichloroethene	7	7	7	280	5 U	5 U	5 U	5 U	5 U	5 U	8 U	1 U	1.0 UJ	1 U	1 U
1,2,4-Trimethylbenzene	15	62		15											
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	5 U	5 U	5 U	5 U	5 U	5 U	8 U	1 U	1.0 UJ		
1,2-Dichloroethane	5	5	5	0.17	5 U	5 U	5 UJ	5 U	5 U	5 U	8 U	1 U	1.0 UJ	1 U	1 U
1,2-Dichloroethene	70	70	70												
1,2-Dichloropropane	5	5	5	0.44	5 U	5 U	5 UJ	5 U	5 U	5 U	8 U	1 U	1.0 UJ	1 U	1 U
1,3,5-Trimethylbenzene	13	53		120											
1,3-Dichlorobenzene	600	600													
1,3-Dichloropropene	6.6	26		0.47											
1,4-Dioxane	6.4	32		0.78	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	1600 U	200 U	200 UJ		
2-Butanone	4000	4000		5600	50 U	25 U	25 U	25 U	25 U	25 U	40 U	5 U	5.0 UJ		
2-Chloroethyl Vinyl Ether														10 U	10 U
2-Hexanone	11	44		38	50 U	25 U	25 U	25 U	25 U	25 U	40 U	5 U	5.0 UJ		
4-Methyl-2-Pentanone	2900	8200		1200	50 U	25 U	25 U	25 U	25 U	25 U	40 U	5 U	5.0 UJ		
Acetone	33000	92000		14000	50 U	25 U	25 UJ	25 U	25 U	25 U	40 U	14	5.0 UJ		
Acrolein	0.042	0.18		0.042											
Acrylonitrile	0.72	3.7		0.052	100 U	100 U	100 U	100 U	100 U	100 U	160 U	20 U	20 UJ		
Benzene	5	5	5	0.45	5 U	5 U	5 U	5 U	5 U	5 U	8 U	1 U	1.0 UJ	2 U	2 U
Bromochloromethane	90	90		83	5 U	5 U	5 U	5 U	5 U	5 U	8 U	1 U	1.0 UJ		
Bromodichloromethane	80	80		0.13	5 U	5 U	5 U	5 U	5 U	5 U	8 U	1 U	1.0 UJ		
Bromoform	80	80		9.2	5 U	5 U	5 U	5 U	5 U	5 U	8 U	0.44 J	1.0 UJ	2 U	2 U
Bromomethane	10	10		7.5	5 U	5 U	5 U	5 U	5 U	5 U	8 U	1 U	1.0 UJ	5 U	5 U
Carbon Disulfide	1500	6200		810	5 U	5 U	5 U	5 U	5 U	5 U	8 U	1 U	1.0 UJ		
Carbon Tetrachloride	5	5	5	0.45	5 U	5 U	5 U	5 U	5 U	5 U	8 U	1 U	1.0 UJ	1 U	1 U
Chlorobenzene	100	100	100	78	5 U	5 U	5 U	5 U	5 U	5 U	8 U	1 U	1.0 UJ	1 U	1 U
Chlorodibromomethane	80	80		0.17	5 U	5 U	5 U	5 U	5 U	5 U	8 U	1 U	1.0 UJ	10 U	2 U
Chloroethane	230	900		21000	5 U	5 U	5 U	5 U	5 U	5 U	8 U	1 U	1.0 UJ	1 U	1 U
Chloroform	80	80		0.22	5 U	5 U	5 U	5 U	5 U	5 U	8 U	1 U	1.0 UJ	1 U	1 U
Chloromethane				190	5 U	5 U	5 U	5 U	5 U	5 U	8 U	1 U	1.0 UJ	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	36	36	35	33	30	29	32	32	19	20 J	5	1 U
cis-1,3-Dichloropropene	6.6	26		0.47	5 U	5 U	5 U	5 U	5 U	5 U	8 U	1 U	1.0 UJ	1 U	1 U
Ethylbenzene	700	700	700	1.5	5 U	5 U	5 U	5 U	5 U	5 U	8 U	1 U	1.0 UJ	1 U	1 U
Isopropylbenzene	840	3500		450											
Methyl tert-butyl ether	20	20		14	5 U	5 U	5 U	5 U	5 U	5 U	8 U	1 U	1.0 UJ		
Methylene chloride	5	5		11	6.2	5 U	5 U	1.2 J	1.8 J	5 U	8 U	1 U	1.0 UJ	2 U	2 U

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-6 12/21/2010	CW-6 6/22/2011	CW-6 12/14/2011	CW-6 6/18/2012	CW-6 Dup 6/18/2012	CW-6 12/10/2012	CW-6 5/30/2013	CW-6 9/16/2013	CW-6 10/16/2014	CW-7 8/1/1989	CW-7 11/14/1990
Naphthalene	100	100		0.17											
Petroleum Hydrocarbons (TPH)				60000											
P-Xylene	10000	10000	10000	190											
Styrene	100	100	100	1200	5 U	5 U	5 U	5 U	5 U	5 U	8 U	1 U	1.0 UJ		
Tetrachloroethene	5	5	5	11	76	90	76	84	74	81	120	36	22 J	3	1 U
Toluene	1000	1000	1000	1100	5 U	5 U	5 U	5 U	5 U	5 U	8 U	1 U	1.0 UJ	2 U	2 U
trans-1,2-Dichloroethene	100	100	100	360	5 U	5 U	0.9 J	5 U	5 U	5 U	8 U	0.89 J	1.0 UJ		
trans-1,3-Dichloropropene	6.6	26		0.47	5 U	5 U	5 U	5 U	5 U	5 U	8 U	1 U	1.0 UJ		
Trichloroethene	5	5	5	0.49	21	19	17	19	17	14	18	7.4	5.5 J	490	7
Vinyl Acetate	420	1800		410											
Vinyl Chloride	2	2	2	0.019	5 U	5 U	5 U	5 U	5 U	5 U	8 U	1 U	1.0 UJ	1 U	1 U
VOC Library Search															
Xylenes (Total)	10000	10000	10000	190	15 U	15 U	15 U	15 U	15 U	15 U	24 U	3 U	3.0 UJ		

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-7 11/15/1990	CW-7 12/5/1990	CW-7 1/14/1991	CW-7 2/7/1991	CW-7 3/6/1991	CW-7 4/24/1991	CW-7 1/30/1992	CW-7 6/11/1992	CW-7 9/24/1992	CW-7 12/18/1992	CW-7 6/21/1993	CW-7 8/30/1993
TOTAL VOC																
Total VOC					120	252	342	231	262	211	313	434	500	418	260	303
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.57												
1,1,1-Trichloroethane	200	200	200	8000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	
1,1,2-Trichloroethane	5	5	5	0.28	1 U	5 U	1 U	1 U	2 U	5 U	5 U	5 U	5 U	5 U	2 U	
1,1,2-Trichlorofluoromethane	2000	2000		1100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
1,1,2-Trichlorotrifluoroethane	63000	170000		55000												
1,1-Dichloroethane	31	160		2.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U
1,1-Dichloroethene	7	7	7	280	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0075												
1,2-Dichloroethane	5	5	5	0.17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U
1,2-Dichloroethene	70	70	70													
1,2-Dichloropropane	5	5	5	0.44	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	
1,3,5-Trimethylbenzene	13	53		120												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.47												
1,4-Dioxane	6.4	32		0.78												
2-Butanone	4000	4000		5600											20 U	
2-Chloroethyl Vinyl Ether					10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	
2-Hexanone	11	44		38											20 U	
4-Methyl-2-Pentanone	2900	8200		1200											20 U	
Acetone	33000	92000		14000											2 U	
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.052												
Benzene	5	5	5	0.45	2 U	10 U	20 U	10 U	10 U	2 U	10 U	10 U	10 U	10 U	2 U	
Bromochloromethane	90	90		83												
Bromodichloromethane	80	80		0.13											2 U	
Bromoform	80	80		9.2	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	
Bromomethane	10	10		7.5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4 U	
Carbon Disulfide	1500	6200		810											2 U	
Carbon Tetrachloride	5	5	5	0.45	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	
Chlorobenzene	100	100	100	78	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U
Chlorodibromomethane	80	80		0.17	2 U	10 U	2 U	2 U	5 U	10 U	10 U	10 U	10 U	10 U	2 U	
Chloroethane	230	900		21000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	
Chloroform	80	80		0.22	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U
Chloromethane				190	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4 U	
cis-1,2-Dichloroethene	70	70	70	36	1 U	2	2	1	2	1	3	4	5	7	2 U	3
cis-1,3-Dichloropropene	6.6	26		0.47	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	
Isopropylbenzene	840	3500		450												
Methyl tert-butyl ether	20	20		14												
Methylene chloride	5	5		11	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	5	2 U	2 U	

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-7 11/15/1990	CW-7 12/5/1990	CW-7 1/14/1991	CW-7 2/7/1991	CW-7 3/6/1991	CW-7 4/24/1991	CW-7 1/30/1992	CW-7 6/11/1992	CW-7 9/24/1992	CW-7 12/18/1992	CW-7 6/21/1993	CW-7 8/30/1993
Naphthalene	100	100		0.17												
Petroleum Hydrocarbons (TPH)				60000												
P-Xylene	10000	10000	10000	190												
Styrene	100	100	100	1200											2 U	
Tetrachloroethene	5	5	5	11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1	1 U	1 U
Toluene	1000	1000	1000	1100	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	
trans-1,2-Dichloroethene	100	100	100	360											2 U	
trans-1,3-Dichloropropene	6.6	26		0.47												
Trichloroethene	5	5	5	0.49	120	250	340	230	260	210	310	430	490	410	260	300
Vinyl Acetate	420	1800		410											20 U	
Vinyl Chloride	2	2	2	0.019	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	190											10 U	

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Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-7 12/1/1993	CW-7 1/26/1994	CW-7 4/5/1994	CW-7 7/11/1994	CW-7 12/15/1994	CW-7 12/15/1994	CW-7 6/2/1995	CW-7 6/2/1995	CW-7 12/7/1995	CW-7 6/6/1996	CW-7 6/6/1996	CW-7 12/2/1996
TOTAL VOC																
Total VOC					274	200	679	170	181	181	190	190	261	140	140	100
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.57												
1,1,1-Trichloroethane	200	200	200	8000	1 U	5 U	1 U	2 U								10 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076		5 U		2 U								10 U
1,1,2-Trichloroethane	5	5	5	0.28		5 U		2 U								10 U
1,1,2-Trichlorofluoromethane	2000	2000		1100												
1,1,2-Trichlorotrifluoroethane	63000	170000		55000												
1,1-Dichloroethane	31	160		2.7	1 U	5 U	1 U	2 U								10 U
1,1-Dichloroethene	7	7	7	280	1 U	5 U	1 U	2 U								10 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0075												
1,2-Dichloroethane	5	5	5	0.17	1 U	5 U	1 U	2 U								10 U
1,2-Dichloroethene	70	70	70						1	1			1			
1,2-Dichloropropane	5	5	5	0.44		5 U		2 U								10 U
1,3,5-Trimethylbenzene	13	53		120												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.47												10 U
1,4-Dioxane	6.4	32		0.78												
2-Butanone	4000	4000		5600		50 U		20 U								
2-Chloroethyl Vinyl Ether						50 U		20 U								100 U
2-Hexanone	11	44		38		50 U		20 U								
4-Methyl-2-Pentanone	2900	8200		1200		50 U		20 U								
Acetone	33000	92000		14000		50 U		20 U								
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.052												
Benzene	5	5	5	0.45		5 U		2 U								20 U
Bromochloromethane	90	90		83												
Bromodichloromethane	80	80		0.13		5 U		2 U								20 U
Bromoform	80	80		9.2		5 U		2 U								20 U
Bromomethane	10	10		7.5		10 U		4 U								50 U
Carbon Disulfide	1500	6200		810		5 U		2 U								
Carbon Tetrachloride	5	5	5	0.45		5 U		2 U								10 U
Chlorobenzene	100	100	100	78	1 U	5 U	1 U	2 U								10 U
Chlorodibromomethane	80	80		0.17		5 U		2 U								20 U
Chloroethane	230	900		21000		10 U		4 U								10 U
Chloroform	80	80		0.22	1 U	5 U	1 U	2 U								10 U
Chloromethane				190		10 U		4 U								50 U
cis-1,2-Dichloroethene	70	70	70	36	3	5 U	6	2 U								
cis-1,3-Dichloropropene	6.6	26		0.47		5 U		2 U								
Ethylbenzene	700	700	700	1.5		5 U		2 U								10 U
Isopropylbenzene	840	3500		450												
Methyl tert-butyl ether	20	20		14												
Methylene chloride	5	5		11		10 U		4 U								20 U

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Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-7 12/1/1993	CW-7 1/26/1994	CW-7 4/5/1994	CW-7 7/11/1994	CW-7 12/15/1994	CW-7 12/15/1994	CW-7 6/2/1995	CW-7 6/2/1995	CW-7 12/7/1995	CW-7 6/6/1996	CW-7 6/6/1996	CW-7 12/2/1996
Naphthalene	100	100		0.17												
Petroleum Hydrocarbons (TPH)				60000												
P-Xylene	10000	10000	10000	190												
Styrene	100	100	100	1200		5 U		2 U								
Tetrachloroethene	5	5	5	11	1	5 U	3	2 U								10 U
Toluene	1000	1000	1000	1100		5 U		2 U								20 U
trans-1,2-Dichloroethene	100	100	100	360												10 U
trans-1,3-Dichloropropene	6.6	26		0.47												
Trichloroethene	5	5	5	0.49	270	200	670	170	180	180	190	190	260	140	140	100
Vinyl Acetate	420	1800		410		50 U		20 U								
Vinyl Chloride	2	2	2	0.019	1 U	10 U	1 U	4 U								10 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	190		25 U		10 U								

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-7 6/4/1997	CW-7 12/1/1998	CW-7 6/8/1999	CW-7 12/22/1999	CW-7 6/2/2000	CW-7 12/1/2000	CW-7 6/8/2001	CW-7 12/7/2001	CW-7 6/14/2002	CW-7 12/6/2002	CW-7 6/9/2003	CW-7 12/5/2003
TOTAL VOC																
Total VOC					86	93	110	95.3	120	107.9	102.8	93	98.6	80.3	86.1	85.6
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.57												
1,1,1-Trichloroethane	200	200	200	8000	5.0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	5.0 U											
1,1,2-Trichloroethane	5	5	5	0.28	5.0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
1,1,2-Trichlorofluoromethane	2000	2000		1100												
1,1,2-Trichlorotrifluoroethane	63000	170000		55000												
1,1-Dichloroethane	31	160		2.7	5.0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
1,1-Dichloroethene	7	7	7	280	5.0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0075												
1,2-Dichloroethane	5	5	5	0.17	5.0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
1,2-Dichloroethene	70	70	70													
1,2-Dichloropropane	5	5	5	0.44	5.0 U											
1,3,5-Trimethylbenzene	13	53		120												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.47	5.0 U											
1,4-Dioxane	6.4	32		0.78												
2-Butanone	4000	4000		5600												
2-Chloroethyl Vinyl Ether					50 U											
2-Hexanone	11	44		38												
4-Methyl-2-Pentanone	2900	8200		1200												
Acetone	33000	92000		14000									0 U			
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.052												
Benzene	5	5	5	0.45	10 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Bromochloromethane	90	90		83												
Bromodichloromethane	80	80		0.13	10 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Bromoform	80	80		9.2	10 U											
Bromomethane	10	10		7.5	25 U											
Carbon Disulfide	1500	6200		810									0 U			
Carbon Tetrachloride	5	5	5	0.45	5.0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Chlorobenzene	100	100	100	78	5.0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Chlorodibromomethane	80	80		0.17	10 U											
Chloroethane	230	900		21000	5.0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Chloroform	80	80		0.22	5.0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Chloromethane				190	25 U											
cis-1,2-Dichloroethene	70	70	70	36		0 U	0 U	5.3	6	3.9	2.8	2	1.6	1.3		
cis-1,3-Dichloropropene	6.6	26		0.47												
Ethylbenzene	700	700	700	1.5	5.0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Isopropylbenzene	840	3500		450												
Methyl tert-butyl ether	20	20		14												
Methylene chloride	5	5		11	10 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-7 6/4/1997	CW-7 12/1/1998	CW-7 6/8/1999	CW-7 12/22/1999	CW-7 6/2/2000	CW-7 12/1/2000	CW-7 6/8/2001	CW-7 12/7/2001	CW-7 6/14/2002	CW-7 12/6/2002	CW-7 6/9/2003	CW-7 12/5/2003
Naphthalene	100	100		0.17												
Petroleum Hydrocarbons (TPH)				60000												
P-Xylene	10000	10000	10000	190												
Styrene	100	100	100	1200												
Tetrachloroethene	5	5	5	11	5.0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	1.7	0 U
Toluene	1000	1000	1000	1100	10 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
trans-1,2-Dichloroethene	100	100	100	360	5.0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
trans-1,3-Dichloropropene	6.6	26		0.47												
Trichloroethene	5	5	5	0.49	86	93	110	90	114	104	100	91	97	79	84.4	85.6
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.019	5.0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	190									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.

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-7 6/4/2004	CW-7 12/10/2004	CW-7 6/14/2005	CW-7 12/9/2005	CW-7 6/20/2006	CW-7 6/19/2007	CW-7 488.18 12/12/2007	CW-7 5/6/2008	CW-7 9/11/2008	CW-7 9/11/2008	CW-7 6/16/2009	CW-7 12/16/2009
TOTAL VOC																
Total VOC					42.4	28.6	27.8	13.28	20	14	12	9.35	9.35	9.35	8.55	8.86
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.57								1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	200	200	200	8000	5 U	5 U	5 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1 U	1 U	1 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.28	3 U	3 U	3 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1100												
1,1,2-Trichlorotrifluoroethane	63000	170000		55000												
1,1-Dichloroethane	31	160		2.7	5 U	5 U	5 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	280	2 U	2 U	2 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0075								1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	5	5	5	0.17	2 U	2 U	2 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70													
1,2-Dichloropropane	5	5	5	0.44	1 U	1 U	1 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	13	53		120												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.47												
1,4-Dioxane	6.4	32		0.78	1000 U	1000 U	1000 U	200 U	1000 U	1000 U	1000 U	200 U	200 U	200 U	200 U	200 U
2-Butanone	4000	4000		5600	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U
2-Chloroethyl Vinyl Ether					5 U	5 U	5 U	2 U	10 U	10 U	10 U					
2-Hexanone	11	44		38								10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	2900	8200		1200								10 U	10 U	10 U	10 U	10 U
Acetone	33000	92000		14000								10 U	10 U	10 U	10 U	10 U
Acrolein	0.042	0.18		0.042	100 U	100 U	100 U	20 U	100 U	100 U	100 U					
Acrylonitrile	0.72	3.7		0.052	50 U	50 U	50 U	20 U	100 U	100 U	100 U	20 U	20 U	20 U	20 U	20 U
Benzene	5	5	5	0.45	1 U	1 U	1 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	90	90		83								1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	80	80		0.13	1 U	1 U	1 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Bromoform	80	80		9.2	4 U	4 U	4 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	10	10		7.5	5 U	5 U	5 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	1500	6200		810								1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	5	5	0.45	2 U	2 U	2 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	78	5 U	5 U	5 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.17	5 U	5 U	5 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	230	900		21000	5 U	5 U	5 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Chloroform	80	80		0.22	5 U	5 U	5 U	1 U	5 U	5 U	5 U	0.56 J	0.55 J	0.55 J	0.67 J	1
Chloromethane				190	5 U	5 U	5 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	70	70	70	36	0.8 J	0.6 J	0.8 J	0.28 J	5 U	5 U	5 U	0.19 J	1 U	1 U	0.29 J	0.26 J
cis-1,3-Dichloropropene	6.6	26		0.47	5 U	5 U	5 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	4 U	4 U	4 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	840	3500		450												
Methyl tert-butyl ether	20	20		14								1 U	1 U	1 U	1 U	1 U
Methylene chloride	5	5		11	3 U	3 U	3 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-7 6/4/2004	CW-7 12/10/2004	CW-7 6/14/2005	CW-7 12/9/2005	CW-7 6/20/2006	CW-7 6/19/2007	CW-7 488.18 12/12/2007	CW-7 5/6/2008	CW-7 9/11/2008	CW-7 9/11/2008	CW-7 6/16/2009	CW-7 12/16/2009
Naphthalene	100	100		0.17												
Petroleum Hydrocarbons (TPH)				60000												
P-Xylene	10000	10000	10000	190												
Styrene	100	100	100	1200								1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	5	5	11	0.6 J	1 U	1 U	1 U	5 U	1 J	5 U	1 U	1 U	1 U	0.19 J	1 U
Toluene	1000	1000	1000	1100	5 U	5 U	5 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	100	100	100	360	5 U	5 U	5 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.47	5 U	5 U	5 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	5	5	0.49	41	28	27	13	20	13	12	8.6	8.8	8.8	7.4	7.6
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.019	5 U	5 U	5 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	190								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.

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-7 7/7/2010	CW-7 12/21/2010	CW-7 6/22/2011	CW-7 12/14/2011	CW-7 6/18/2012	CW-7 12/10/2012	CW-7 5/30/2013	CW-7 9/16/2013	CW-7 10/15/2014	CW-7A 8/3/1989	CW-7A 11/13/1990
TOTAL VOC															
Total VOC					7.92	8.79	6.3	5.1	9.69	5.3	5.7	2.1	2.53	4850	4212
Volatile Organic Compound															
1,1,1,2-Tetrachloroethane	70	70		0.57	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U		
1,1,1-Trichloroethane	200	200	200	8000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	5 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	10 U	1 U
1,1,2-Trichloroethane	5	5	5	0.28	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	50 U	40 U
1,1,2-Trichlorofluoromethane	2000	2000		1100										5 U	1 U
1,1,2-Trichlorotrifluoroethane	63000	170000		55000											
1,1-Dichloroethane	31	160		2.7	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1.0 U	5 U	1 U
1,1-Dichloroethene	7	7	7	280	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	5 U	1 U
1,2,4-Trimethylbenzene	15	62		15											
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U		
1,2-Dichloroethane	5	5	5	0.17	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1.0 U	5 U	1 U
1,2-Dichloroethene	70	70	70												
1,2-Dichloropropane	5	5	5	0.44	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1.0 U	5 U	1 U
1,3,5-Trimethylbenzene	13	53		120											
1,3-Dichlorobenzene	600	600													
1,3-Dichloropropene	6.6	26		0.47											
1,4-Dioxane	6.4	32		0.78	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U		
2-Butanone	4000	4000		5600	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U		
2-Chloroethyl Vinyl Ether														50 U	10 U
2-Hexanone	11	44		38	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U		
4-Methyl-2-Pentanone	2900	8200		1200	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U		
Acetone	33000	92000		14000	10 U	10 U	5 U	5 UJ	2.9 J	5 U	5 U	5 U	5.0 U		
Acrolein	0.042	0.18		0.042											
Acrylonitrile	0.72	3.7		0.052	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U		
Benzene	5	5	5	0.45	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	100 U	500 U
Bromochloromethane	90	90		83	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U		
Bromodichloromethane	80	80		0.13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U		
Bromoform	80	80		9.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	10 U	2 U
Bromomethane	10	10		7.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	25 U	5 U
Carbon Disulfide	1500	6200		810	0.45 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U		
Carbon Tetrachloride	5	5	5	0.45	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	5 U	1 U
Chlorobenzene	100	100	100	78	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	5 U	1 U
Chlorodibromomethane	80	80		0.17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	100 U	100 U
Chloroethane	230	900		21000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	5 U	1 U
Chloroform	80	80		0.22	1	1.4	1.4	1.2	1.4	1.2	1.4	1 U	0.92 J	5	4
Chloromethane				190	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	25 U	5 U
cis-1,2-Dichloroethene	70	70	70	36	0.27 J	0.28 J	1 U	1 U	0.29 J	0.3 J	1 U	1 U	1.0 U	95	92
cis-1,3-Dichloropropene	6.6	26		0.47	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	5 U	1 U
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	50 U	1 U
Isopropylbenzene	840	3500		450											
Methyl tert-butyl ether	20	20		14	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U		
Methylene chloride	5	5		11	1 U	0.21 J	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	10 U	2 U

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-7 7/7/2010	CW-7 12/21/2010	CW-7 6/22/2011	CW-7 12/14/2011	CW-7 6/18/2012	CW-7 12/10/2012	CW-7 5/30/2013	CW-7 9/16/2013	CW-7 10/15/2014	CW-7A 8/3/1989	CW-7A 11/13/1990
Naphthalene	100	100		0.17											
Petroleum Hydrocarbons (TPH)				60000											
P-Xylene	10000	10000	10000	190											
Styrene	100	100	100	1200	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U		
Tetrachloroethene	5	5	5	11	1 U	1 U	1 U	1 U	0.17 J	1 U	1 U	0.6 J	0.85 J	20	16
Toluene	1000	1000	1000	1100	1 U	1 U	1 U	1 U	0.43 J	1 U	1 U	1 U	1.0 U	10 U	2 U
trans-1,2-Dichloroethene	100	100	100	360	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U		
trans-1,3-Dichloropropene	6.6	26		0.47	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U		
Trichloroethene	5	5	5	0.49	6.2	6.9	4.9	3.9	4.5	3.8	4.3	1.5	0.76 J	4730	4100
Vinyl Acetate	420	1800		410											
Vinyl Chloride	2	2	2	0.019	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	5 U	1 U
VOC Library Search															
Xylenes (Total)	10000	10000	10000	190	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3.0 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.

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-7A 11/15/1990	CW-7A 12/5/1990	CW-7A 1/14/1991	CW-7A 2/7/1991	CW-7A 3/6/1991	CW-7A 4/24/1991	CW-7A 1/30/1992	CW-7A 6/11/1992	CW-7A 9/24/1992	CW-7A 12/18/1992	CW-7A 6/21/1993	CW-7A 8/30/1993
TOTAL VOC																
Total VOC					5304	4262	4282	8674	3871	3564	912	4396	5075	5615	3160	4065
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.57												
1,1,1-Trichloroethane	200	200	200	8000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	10 U	5 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	
1,1,2-Trichloroethane	5	5	5	0.28	50 U	50 U	1 U	100 U	20 U	50 U	20 U	50 U	50 U	50 U	10 U	
1,1,2-Trichlorofluoromethane	2000	2000		1100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
1,1,2-Trichlorotrifluoroethane	63000	170000		55000												
1,1-Dichloroethane	31	160		2.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	10 U	5 U
1,1-Dichloroethene	7	7	7	280	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	10 U	5 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0075												
1,2-Dichloroethane	5	5	5	0.17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	10 U	5 U
1,2-Dichloroethene	70	70	70													
1,2-Dichloropropane	5	5	5	0.44	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	10 U	
1,3,5-Trimethylbenzene	13	53		120												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.47												
1,4-Dioxane	6.4	32		0.78												
2-Butanone	4000	4000		5600											100 U	
2-Chloroethyl Vinyl Ether					10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	50 U	100 U	
2-Hexanone	11	44		38											100 U	
4-Methyl-2-Pentanone	2900	8200		1200											100 U	
Acetone	33000	92000		14000											100 U	
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.052												
Benzene	5	5	5	0.45	10 U	200 U	200 U	500 U	200 U	200 U	50 U	100 U	100 U	100 U	10 U	
Bromochloromethane	90	90		83												
Bromodichloromethane	80	80		0.13											10 U	
Bromoform	80	80		9.2	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	10 U	10 U	10 U	
Bromomethane	10	10		7.5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U	25 U	20 U	
Carbon Disulfide	1500	6200		810											10 U	
Carbon Tetrachloride	5	5	5	0.45	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	10 U	
Chlorobenzene	100	100	100	78	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	10 U	5 U
Chlorodibromomethane	80	80		0.17	100 U	100 U	2 U	200 U	50 U	100 U	50 U	100 U	100 U	100 U	10 U	
Chloroethane	230	900		21000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	20 U	
Chloroform	80	80		0.22	5 U	2	2	2	2	2 U	1 U	1 U	5 U	5 U	10 U	5 U
Chloromethane				190	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U	25 U	20 U	
cis-1,2-Dichloroethene	70	70	70	36	80	48	62	55	53	50	34	81	60	90	40	47
cis-1,3-Dichloropropene	6.6	26		0.47	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	10 U	
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	10 U	
Isopropylbenzene	840	3500		450												
Methyl tert-butyl ether	20	20		14												
Methylene chloride	5	5		11	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	10 U	10 U	20 U	

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-7A 11/15/1990	CW-7A 12/5/1990	CW-7A 1/14/1991	CW-7A 2/7/1991	CW-7A 3/6/1991	CW-7A 4/24/1991	CW-7A 1/30/1992	CW-7A 6/11/1992	CW-7A 9/24/1992	CW-7A 12/18/1992	CW-7A 6/21/1993	CW-7A 8/30/1993
Naphthalene	100	100		0.17												
Petroleum Hydrocarbons (TPH)				60000												
P-Xylene	10000	10000	10000	190												
Styrene	100	100	100	1200												
Tetrachloroethene	5	5	5	11	24	12	18	17	16	14	18	15	15	25	20	18
Toluene	1000	1000	1000	1100	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	10 U	10 U	10 U	
trans-1,2-Dichloroethene	100	100	100	360											10 U	
trans-1,3-Dichloropropene	6.6	26		0.47												
Trichloroethene	5	5	5	0.49	5200	4200	4200	8600	3800	3500	860	4300	5000	5500	3100	4000
Vinyl Acetate	420	1800		410											100 U	
Vinyl Chloride	2	2	2	0.019	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	5 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	190											50 U	

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-7A 12/1/1993	CW-7A 1/26/1994	CW-7A 4/5/1994	CW-7A 7/11/1994	CW-7A 12/15/1994	CW-7A 6/2/1995	CW-7A 6/2/1995	CW-7A 12/7/1995	CW-7A 6/6/1996	CW-7A 6/6/1996	CW-7A 12/2/1996	CW-7A 6/4/1997
TOTAL VOC																
Total VOC					2644	2440	2576	2000	2143	2636	2636	2935	2022	2022	1800	1400
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.57												
1,1,1-Trichloroethane	200	200	200	8000	5 U	20 U	5 U	20 U							100 U	100 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076		20 U		20 U							100 U	100 U
1,1,2-Trichloroethane	5	5	5	0.28		20 U		20 U							100 U	100 U
1,1,2-Trichlorofluoromethane	2000	2000		1100												
1,1,2-Trichlorotrifluoroethane	63000	170000		55000												
1,1-Dichloroethane	31	160		2.7	5 U	20 U	5 U	20 U							100 U	100 U
1,1-Dichloroethene	7	7	7	280	5 U	20 U	5 U	20 U							100 U	100 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0075												
1,2-Dichloroethane	5	5	5	0.17	5 U	20 U	5 U	20 U							100 U	100 U
1,2-Dichloroethene	70	70	70						31	18	18	19	11	11		
1,2-Dichloropropane	5	5	5	0.44		20 U		20 U							100 U	100 U
1,3,5-Trimethylbenzene	13	53		120												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.47											100 U	100 U
1,4-Dioxane	6.4	32		0.78												
2-Butanone	4000	4000		5600		200 U		200 U								
2-Chloroethyl Vinyl Ether						200 U		200 U							1000 U	1000 U
2-Hexanone	11	44		38		200 U		200 U								
4-Methyl-2-Pentanone	2900	8200		1200		200 U		200 U								
Acetone	33000	92000		14000		200 U		200 U								
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.052												
Benzene	5	5	5	0.45		20 U		20 U							200 U	200 U
Bromochloromethane	90	90		83												
Bromodichloromethane	80	80		0.13		20 U		20 U							200 U	200 U
Bromoform	80	80		9.2		20 U		20 U							200 U	200 U
Bromomethane	10	10		7.5		40 U		40 U							500 U	500 U
Carbon Disulfide	1500	6200		810		20 U		20 U								
Carbon Tetrachloride	5	5	5	0.45		20 U		20 U							100 U	100 U
Chlorobenzene	100	100	100	78	5 U	20 U	5 U	20 U							100 U	100 U
Chlorodibromomethane	80	80		0.17		20 U		20 U							200 U	200 U
Chloroethane	230	900		21000		40 U		40 U							100 U	100 U
Chloroform	80	80		0.22	5 U	20 U	5 U	20 U							100 U	100 U
Chloromethane				190		40 U		40 U							500 U	500 U
cis-1,2-Dichloroethene	70	70	70	36	30	40	41	20 U								
cis-1,3-Dichloropropene	6.6	26		0.47		20 U		20 U								
Ethylbenzene	700	700	700	1.5		20 U		20 U							100 U	100 U
Isopropylbenzene	840	3500		450												
Methyl tert-butyl ether	20	20		14												
Methylene chloride	5	5		11		40 U		40 U							200 U	200 U

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-7A 12/1/1993	CW-7A 1/26/1994	CW-7A 4/5/1994	CW-7A 7/11/1994	CW-7A 12/15/1994	CW-7A 6/2/1995	CW-7A 6/2/1995	CW-7A 12/7/1995	CW-7A 6/6/1996	CW-7A 6/6/1996	CW-7A 12/2/1996	CW-7A 6/4/1997
Naphthalene	100	100		0.17												
Petroleum Hydrocarbons (TPH)				60000												
P-Xylene	10000	10000	10000	190												
Styrene	100	100	100	1200		20 U		20 U								
Tetrachloroethene	5	5	5	11	14	20 U	35	20 U	12	18	18	16	11	11	100 U	100 U
Toluene	1000	1000	1000	1100		20 U		20 U							200 U	200 U
trans-1,2-Dichloroethene	100	100	100	360											100 U	100 U
trans-1,3-Dichloropropene	6.6	26		0.47												
Trichloroethene	5	5	5	0.49	2600	2400	2500	2000	2100	2600	2600	2900	2000	2000	1800	1400
Vinyl Acetate	420	1800		410		200 U		200 U								
Vinyl Chloride	2	2	2	0.019	5 U	40 U	5 U	40 U							100 U	100 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	190		100 U		100 U								

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-7A 12/1/1998	CW-7A 6/8/1999	CW-7A 12/22/1999	CW-7A 6/2/2000	CW-7A 12/1/2000	CW-7A 6/8/2001	CW-7A 6/9/2003	CW-7A 6/4/2004	CW-7A 12/10/2004	CW-7A 6/14/2005	CW-7A 12/9/2005	CW-7A 6/20/2006
TOTAL VOC																
Total VOC					746	1314	430	911	171	1202	573	490.8	222.7	302.2	344.6	344.4
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.57												
1,1,1-Trichloroethane	200	200	200	8000	0 U	0 U	0 U	0 U	0 U	0 U	0 U	25 U	10 U	10 U	12 U	12 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076								5 U	2 U	2 U	12 U	12 U
1,1,2-Trichloroethane	5	5	5	0.28	0 U	0 U	0 U	0 U	0 U	0 U	0 U	15 U	6 U	6 U	12 U	12 U
1,1,2-Trichlorofluoromethane	2000	2000		1100												
1,1,2-Trichlorotrifluoroethane	63000	170000		55000												
1,1-Dichloroethane	31	160		2.7	0 U	0 U	0 U	0 U	0 U	0 U	0 U	25 U	10 U	10 U	12 U	12 U
1,1-Dichloroethene	7	7	7	280	0 U	0 U	0 U	0 U	0 U	0 U	0 U	10 U	4 U	4 U	12 U	12 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0075												
1,2-Dichloroethane	5	5	5	0.17	0 U	0 U	0 U	0 U	0 U	0 U	0 U	10 U	4 U	4 U	12 U	12 U
1,2-Dichloroethene	70	70	70													
1,2-Dichloropropane	5	5	5	0.44								5 U	2 U	2 U	12 U	12 U
1,3,5-Trimethylbenzene	13	53		120												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.47												
1,4-Dioxane	6.4	32		0.78								5000 U	2000 U	2000 U	2500 U	2500 U
2-Butanone	4000	4000		5600								25 U	10 U	10 U	62 U	12 U
2-Chloroethyl Vinyl Ether												25 U	10 U	10 U	25 U	25 U
2-Hexanone	11	44		38												
4-Methyl-2-Pentanone	2900	8200		1200												
Acetone	33000	92000		14000												
Acrolein	0.042	0.18		0.042								500 U	200 U	200 U	250 U	250 U
Acrylonitrile	0.72	3.7		0.052								250 U	100 U	100 U	250 U	250 U
Benzene	5	5	5	0.45	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U	2 U	2 U	12 U	12 U
Bromochloromethane	90	90		83												
Bromodichloromethane	80	80		0.13	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5 U	2 U	2 U	12 U	12 U
Bromoform	80	80		9.2								20 U	8 U	8 U	12 U	12 U
Bromomethane	10	10		7.5								25 U	10 U	10 U	12 U	12 U
Carbon Disulfide	1500	6200		810												
Carbon Tetrachloride	5	5	5	0.45	0 U	0 U	0 U	0 U	0 U	0 U	0 U	10 U	4 U	4 U	12 U	12 U
Chlorobenzene	100	100	100	78	0 U	0 U	0 U	0 U	0 U	0 U	0 U	25 U	10 U	10 U	12 U	12 U
Chlorodibromomethane	80	80		0.17								25 U	10 U	10 U	12 U	12 U
Chloroethane	230	900		21000	0 U	0 U	0 U	0 U	0 U	0 U	0 U	25 U	10 U	10 U	12 U	12 U
Chloroform	80	80		0.22	0 U	0 U	0 U	0 U	0 U	0 U	0 U	25 U	10 U	10 U	12 U	12 U
Chloromethane				190								25 U	10 U	10 U	12 U	12 U
cis-1,2-Dichloroethene	70	70	70	36	12	0 U	0 U	21	28	9		5.2 J	25	7.2 J	3.6 J	12 U
cis-1,3-Dichloropropene	6.6	26		0.47								25 U	10 U	10 U	12 U	12 U
Ethylbenzene	700	700	700	1.5	0 U	0 U	0 U	0 U	0 U	0 U	0 U	20 U	8 U	8 U	12 U	12 U
Isopropylbenzene	840	3500		450												
Methyl tert-butyl ether	20	20		14												
Methylene chloride	5	5		11	0 U	0 U	0 U	0 U	0 U	0 U	0 U	15 U	6 U	6 U	12 U	12 U

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-7A 12/1/1998	CW-7A 6/8/1999	CW-7A 12/22/1999	CW-7A 6/2/2000	CW-7A 12/1/2000	CW-7A 6/8/2001	CW-7A 6/9/2003	CW-7A 6/4/2004	CW-7A 12/10/2004	CW-7A 6/14/2005	CW-7A 12/9/2005	CW-7A 6/20/2006
Naphthalene	100	100		0.17												
Petroleum Hydrocarbons (TPH)				60000												
P-Xylene	10000	10000	10000	190												
Styrene	100	100	100	1200												
Tetrachloroethene	5	5	5	11	14	14	0 U	21	28	13	20	5.6	7.7	5	11 J	4.4 J
Toluene	1000	1000	1000	1100	0 U	0 U	0 U	0 U	0 U	0 U	0 U	25 U	10 U	10 U	12 U	12 U
trans-1,2-Dichloroethene	100	100	100	360	0 U	0 U	0 U	0 U	0 U	0 U	0 U	25 U	10 U	10 U	12 U	12 U
trans-1,3-Dichloropropene	6.6	26		0.47								25 U	10 U	10 U	12 U	12 U
Trichloroethene	5	5	5	0.49	720	1300	430	869	115	1180	553	480	190	290	330	340
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.019	0 U	0 U	0 U	0 U	0 U	0 U	0 U	25 U	10 U	10 U	12 U	12 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	190												

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-7A 6/19/2007	CW-7A 522.34 12/12/2007	CW-7A 5/6/2008	CW-7A 10/9/2008	CW-7A 6/16/2009	CW-7A 12/16/2009	CW-7A 7/7/2010	CW-7A 12/21/2010	CW-7A 6/22/2011	CW-7A 12/14/2011	CW-7A 6/18/2012
TOTAL VOC															
Total VOC					245.3	335	320.8	163.1	189.1	193.8	398	109.2	115.2	115.66	85.2
Volatile Organic Compound															
1,1,1,2-Tetrachloroethane	70	70		0.57			15 U	10 U	10 U	10 U	20 U	5 U	5 U	5 U	5 U
1,1,1-Trichloroethane	200	200	200	8000	10 U	5 U	15 U	10 U	10 U	10 U	20 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	10 U	5 U	15 U	10 U	10 U	10 U	20 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5	5	5	0.28	10 U	5 U	15 U	10 U	10 U	10 U	20 U	5 U	5 U	5 U	5 U
1,1,2-Trichlorofluoromethane	2000	2000		1100											
1,1,2-Trichlorotrifluoroethane	63000	170000		55000											
1,1-Dichloroethane	31	160		2.7	10 U	5 U	15 U	10 U	10 U	10 U	20 U	5 U	5 U	5 UJ	5 U
1,1-Dichloroethene	7	7	7	280	10 U	5 U	15 U	10 U	10 U	10 U	20 U	5 U	5 U	5 U	5 U
1,2,4-Trimethylbenzene	15	62		15											
1,2-Dibromoethane	0.05	0.05	0.05	0.0075			15 U	10 U	10 U	10 U	20 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	5	5	5	0.17	10 U	5 U	15 U	10 U	10 U	10 U	20 U	5 U	5 U	5 UJ	5 U
1,2-Dichloroethene	70	70	70												
1,2-Dichloropropane	5	5	5	0.44	10 U	5 U	15 U	10 U	10 U	10 U	20 U	5 U	5 U	5 UJ	5 U
1,3,5-Trimethylbenzene	13	53		120											
1,3-Dichlorobenzene	600	600													
1,3-Dichloropropene	6.6	26		0.47											
1,4-Dioxane	6.4	32		0.78	2000 U	1000 U	3000 U	2000 U	2000 U	2000 U	4000 U	1000 U	1000 U	1000 U	1000 U
2-Butanone	4000	4000		5600	10 U	5 U	150 U	100 U	100 U	100 U	200 U	50 U	25 U	25 U	25 U
2-Chloroethyl Vinyl Ether					20 U	10 U									
2-Hexanone	11	44		38			150 U	100 U	100 U	100 U	200 U	50 U	25 U	25 U	25 U
4-Methyl-2-Pentanone	2900	8200		1200			150 U	100 U	100 U	100 U	200 U	50 U	25 U	25 U	25 U
Acetone	33000	92000		14000			150 U	100 U	100 U	100 U	200 U	50 U	25 U	25 UJ	25 U
Acrolein	0.042	0.18		0.042	200 U	100 U									
Acrylonitrile	0.72	3.7		0.052	200 U	100 U	300 U	200 U	200 U	200 U	400 U	100 U	100 U	100 U	100 U
Benzene	5	5	5	0.45	10 U	5 U	15 U	10 U	10 U	10 U	20 U	5 U	5 U	5 U	5 U
Bromochloromethane	90	90		83			15 U	10 U	10 U	10 U	20 U	5 U	5 U	5 U	5 U
Bromodichloromethane	80	80		0.13	10 U	5 U	15 U	10 U	10 U	10 U	20 U	5 U	5 U	5 U	5 U
Bromoform	80	80		9.2	10 U	5 U	15 U	10 U	10 U	10 U	20 U	5 U	5 U	5 U	5 U
Bromomethane	10	10		7.5	10 U	5 U	15 U	10 U	10 U	10 U	20 U	5 U	5 U	5 U	5 U
Carbon Disulfide	1500	6200		810			15 U	10 U	10 U	10 U	240	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	5	5	0.45	10 U	5 U	15 U	10 U	10 U	10 U	20 U	5 U	5 U	5 U	5 U
Chlorobenzene	100	100	100	78	10 U	5 U	15 U	10 U	10 U	10 U	20 U	5 U	5 U	5 U	5 U
Chlorodibromomethane	80	80		0.17	10 U	5 U	15 U	10 U	10 U	10 U	20 U	5 U	5 U	5 U	5 U
Chloroethane	230	900		21000	10 U	5 U	15 U	10 U	10 U	10 U	20 U	5 U	5 U	5 U	5 U
Chloroform	80	80		0.22	10 U	5 U	15 U	10 U	10 U	10 U	20 U	1.1 J	1.3 J	0.96 J	0.9 J
Chloromethane				190	10 U	5 U	15 U	10 U	10 U	10 U	20 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	36	10 U	2.1 J	1.7 J	10 U	10 U	10 U	20 U	5 U	1.6 J	1.4 J	5 U
cis-1,3-Dichloropropene	6.6	26		0.47	10 U	5 U	15 U	10 U	10 U	10 U	20 U	5 U	5 U	5 U	5 U
Ethylbenzene	700	700	700	1.5	10 U	5 U	15 U	10 U	10 U	10 U	20 U	5 U	5 U	5 U	5 U
Isopropylbenzene	840	3500		450											
Methyl tert-butyl ether	20	20		14			15 U	10 U	10 U	10 U	20 U	5 U	5 U	5 U	5 U
Methylene chloride	5	5		11	10 U	5 U	3.8 J	10 U	5.5 J B	10 U	14 J B	6	5 U	5 U	1.5 J

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-7A 6/19/2007	CW-7A 522.34 12/12/2007	CW-7A 5/6/2008	CW-7A 10/9/2008	CW-7A 6/16/2009	CW-7A 12/16/2009	CW-7A 7/7/2010	CW-7A 12/21/2010	CW-7A 6/22/2011	CW-7A 12/14/2011	CW-7A 6/18/2012
Naphthalene	100	100		0.17											
Petroleum Hydrocarbons (TPH)				60000											
P-Xylene	10000	10000	10000	190											
Styrene	100	100	100	1200			15 U	10 U	10 U	10 U	20 U	5 U	5 U	5 U	5 U
Tetrachloroethene	5	5	5	11	5.3 J	2.9 J	5.3 J	3.1 J	3.6 J	3.8 J	4 J	2.1 J	2.3 J	3.3 J	1.8 J
Toluene	1000	1000	1000	1100	10 U	5 U	15 U	10 U	10 U	10 U	20 U	5 U	5 U	5 U	5 U
trans-1,2-Dichloroethene	100	100	100	360	10 U	5 U	15 U	10 U	10 U	10 U	20 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	6.6	26		0.47	10 U	5 U	15 U	10 U	10 U	10 U	20 U	5 U	5 U	5 U	5 U
Trichloroethene	5	5	5	0.49	240	330	310	160	180	190	140	100	110	110	81
Vinyl Acetate	420	1800		410											
Vinyl Chloride	2	2	2	0.019	10 U	5 U	15 U	10 U	10 U	10 U	20 U	5 U	5 U	5 U	5 U
VOC Library Search															
Xylenes (Total)	10000	10000	10000	190			45 U	30 U	30 U	30 U	60 U	15 U	15 U	15 U	15 U

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-7A 12/10/2012	CW-7A 5/29/2013	CW-7A 9/16/2013	CW-7A 10/15/2014	RW-2 11/10/1986	RW-2 12/18/1986	RW-2 4/15/1987	RW-2 10/31/1995	RW-2 10/31/1995	RW-2 7/19/1996	RW-2 10/20/1997
TOTAL VOC															
Total VOC					91.6	84.2	165.8	99.4	2093	549	1005	50	50	5	5
Volatile Organic Compound															
1,1,1,2-Tetrachloroethane	70	70		0.57	5 U	5 U	5 U	1.0 UJ							
1,1,1-Trichloroethane	200	200	200	8000	5 U	5 U	5 U	1.0 UJ						1 U	0 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	5 U	5 U	5 U	1.0 UJ						1 U	
1,1,2-Trichloroethane	5	5	5	0.28	5 U	5 U	5 U	1.0 UJ						1 U	0 U
1,1,2-Trichlorofluoromethane	2000	2000		1100											
1,1,2-Trichlorotrifluoroethane	63000	170000		55000							2				
1,1-Dichloroethane	31	160		2.7	5 U	5 U	5 U	1.0 UJ						1 U	0 U
1,1-Dichloroethene	7	7	7	280	5 U	5 U	5 U	1.0 UJ						1 U	0 U
1,2,4-Trimethylbenzene	15	62		15											
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	5 U	5 U	5 U	1.0 UJ							
1,2-Dichloroethane	5	5	5	0.17	5 U	5 U	5 U	1.0 UJ						1 U	0 U
1,2-Dichloroethene	70	70	70												
1,2-Dichloropropane	5	5	5	0.44	5 U	5 U	5 U	1.0 UJ						1 U	
1,3,5-Trimethylbenzene	13	53		120											
1,3-Dichlorobenzene	600	600													
1,3-Dichloropropene	6.6	26		0.47											
1,4-Dioxane	6.4	32		0.78	1000 U	1000 U	1000 U	200 UJ							
2-Butanone	4000	4000		5600	25 U	25 U	25 U	5.0 UJ						20 U	
2-Chloroethyl Vinyl Ether														10 U	
2-Hexanone	11	44		38	25 U	25 U	25 U	5.0 UJ						10 U	
4-Methyl-2-Pentanone	2900	8200		1200	25 U	25 U	25 U	5.0 UJ						10 U	
Acetone	33000	92000		14000	25 U	25 U	25 U	5.0 UJ						20 U	0 U
Acrolein	0.042	0.18		0.042											
Acrylonitrile	0.72	3.7		0.052	100 U	100 U	100 U	20 UJ							
Benzene	5	5	5	0.45	5 U	5 U	5 U	1.0 UJ						1 U	0 U
Bromochloromethane	90	90		83	5 U	5 U	5 U	1.0 UJ							
Bromodichloromethane	80	80		0.13	5 U	5 U	5 U	1.0 UJ						1 U	0 U
Bromoform	80	80		9.2	5 U	5 U	5 U	1.0 UJ						1 U	
Bromomethane	10	10		7.5	5 U	5 U	5 U	1.0 UJ						2 U	
Carbon Disulfide	1500	6200		810	5 U	5 U	5 U	1.0 UJ						1 U	0 U
Carbon Tetrachloride	5	5	5	0.45	5 U	5 U	5 U	1.0 UJ						1 U	0 U
Chlorobenzene	100	100	100	78	5 U	5 U	5 U	1.0 UJ						1 U	0 U
Chlorodibromomethane	80	80		0.17	5 U	5 U	5 U	1.0 UJ						1 U	
Chloroethane	230	900		21000	5 U	5 U	5 U	1.0 UJ						2 U	0 U
Chloroform	80	80		0.22	1 J	5 U	5 U	1.2 J			1			1 U	0 U
Chloromethane				190	5 U	5 U	5 U	1.0 UJ						2 U	
cis-1,2-Dichloroethene	70	70	70	36	1.2 J	5 U	1.5 J	3.7 J	19	5	7			U	
cis-1,3-Dichloropropene	6.6	26		0.47	5 U	5 U	5 U	1.0 UJ						1 U	
Ethylbenzene	700	700	700	1.5	5 U	5 U	5 U	1.0 UJ						1 U	0 U
Isopropylbenzene	840	3500		450											
Methyl tert-butyl ether	20	20		14	5 U	5 U	5 U	1.0 UJ							
Methylene chloride	5	5		11	5 U	1.8 J	5 U	1.0 UJ						2 U	0 U

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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)	CW-7A 12/10/2012	CW-7A 5/29/2013	CW-7A 9/16/2013	CW-7A 10/15/2014	RW-2 11/10/1986	RW-2 12/18/1986	RW-2 4/15/1987	RW-2 10/31/1995	RW-2 10/31/1995	RW-2 7/19/1996	RW-2 10/20/1997
Naphthalene	100	100		0.17											
Petroleum Hydrocarbons (TPH)				60000											
P-Xylene	10000	10000	10000	190											
Styrene	100	100	100	1200	5 U	5 U	5 U	1.0 UJ						1 U	
Tetrachloroethene	5	5	5	11	2.4 J	1.4 J	4.3 J	5.5 J	4		2			1 U	0 U
Toluene	1000	1000	1000	1100	5 U	5 U	5 U	1.0 UJ						1 U	0 U
trans-1,2-Dichloroethene	100	100	100	360	5 U	5 U	5 U	1.0 UJ						1 U	0 U
trans-1,3-Dichloropropene	6.6	26		0.47	5 U	5 U	5 U	1.0 UJ						1 U	
Trichloroethene	5	5	5	0.49	87	81	160	89	2070	544	993	50	50	5	5
Vinyl Acetate	420	1800		410										10 U	
Vinyl Chloride	2	2	2	0.019	5 U	5 U	5 U	1.0 UJ						2 U	0 U
VOC Library Search															
Xylenes (Total)	10000	10000	10000	190	15 U	15 U	15 U	3.0 UJ						5 U	0 U

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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 12/8/1998	RW-2 7/30/1999	RW-2 3/30/2000	RW-2 6/20/2001	RW-2 6/12/2002	RW-2 6/3/2003	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
TOTAL VOC																
Total VOC					13	3	1.6	3.3	26.8	2.7	3.5	3.2	1.4	4.6	1.92	2.7
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.57											1 U	1 U
1,1,1-Trichloroethane	200	200	200	8000	0 U	1 U	1 U	0 U	0 U	0 U	5 U	5 U	5 U	5 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076		1 U	1 U				1 U	1 U	5 U	5 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.28	0 U	1 U	1 U	0 U	0 U	0 U	3 U	3 U	5 U	5 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1100		1 U	1 U									
1,1,2-Trichlorotrifluoroethane	63000	170000		55000												
1,1-Dichloroethane	31	160		2.7	0 U	1 U	1 U	0 U	0 U	0 U	5 U	5 U	5 U	5 U	1 U	1 U
1,1-Dichloroethene	7	7	7	280	0 U	1 U	1 U	0 U	0 U	0 U	2 U	2 U	5 U	5 U	1 U	1 U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0075											1 U	1 U
1,2-Dichloroethane	5	5	5	0.17	0 U	1 U	1 U	0 U	0 U	0 U	2 U	2 U	5 U	5 U	1 U	1 U
1,2-Dichloroethene	70	70	70													
1,2-Dichloropropane	5	5	5	0.44		1 U	1 U				1 U	1 U	5 U	5 U	1 U	1 U
1,3,5-Trimethylbenzene	13	53		120												
1,3-Dichlorobenzene	600	600				2 U	2 U									
1,3-Dichloropropene	6.6	26		0.47												
1,4-Dioxane	6.4	32		0.78							1000 U	1000 U	1000 U	1000 U	200 U	
2-Butanone	4000	4000		5600							5 U	5 U	5 U	5 U	10 U	10 U
2-Chloroethyl Vinyl Ether						1 U	1 U				5 U	5 U	10 U	10 U		
2-Hexanone	11	44		38											10 U	10 U
4-Methyl-2-Pentanone	2900	8200		1200											10 U	10 U
Acetone	33000	92000		14000	0 U			0 U	0 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		0.052							50 U	50 U	100 U	100 U	20 U	
Benzene	5	5	5	0.45	0 U			0 U	0 U	0 U	1 U	1 U	5 U	5 U	1 U	1 U
Bromochloromethane	90	90		83											1 U	1 U
Bromodichloromethane	80	80		0.13	0 U	1 U	1 U	0 U	0 U	0 U	1 U	1 U	5 U	5 U	1 U	1 U
Bromoform	80	80		9.2		1 U	1 U				4 U	4 U	5 U	5 U	1 U	1 U
Bromomethane	10	10		7.5		1 U	2 U				5 U	5 U	5 U	5 U	1 U	1 U
Carbon Disulfide	1500	6200		810	0 U			0 U	0 U						1 U	1 U
Carbon Tetrachloride	5	5	5	0.45	0 U	1 U	1 U	0 U	0 U	0 U	2 U	2 U	5 U	5 U	1 U	1 U
Chlorobenzene	100	100	100	78	0 U	2 U	2 U	0 U	0 U	0 U	5 U	5 U	5 U	5 U	1 U	1 U
Chlorodibromomethane	80	80		0.17		1 U	1 U				5 U	5 U	5 U	5 U	1 U	1 U
Chloroethane	230	900		21000	0 U	1 U	2 U	0 U	0 U	0 U	5 U	5 U	5 U	5 U	1 U	1 U
Chloroform	80	80		0.22	0 U	1 U	1 U	0 U	0 U	0 U	5 U	0.8 J	5 U	1.2 J	0.22 J	0.7 J
Chloromethane				190							5 U	5 U	5 U	5 U	1 U	1 U
cis-1,2-Dichloroethene	70	70	70	36	0 U			0 U	1.8		5 U	5 U	5 U	5 U	1 U	1 U
cis-1,3-Dichloropropene	6.6	26		0.47		1 U	1 U				5 U	5 U	5 U	5 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	0 U			0 U	0 U	0 U	4 U	4 U	5 U	5 U	1 U	1 U
Isopropylbenzene	840	3500		450												
Methyl tert-butyl ether	20	20		14											1 U	1 U
Methylene chloride	5	5		11	0 U	1 U	1 U	0 U	0 U	0 U	3 U	3 U	5 U	5 U	1 U	1 U

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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 12/8/1998	RW-2 7/30/1999	RW-2 3/30/2000	RW-2 6/20/2001	RW-2 6/12/2002	RW-2 6/3/2003	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
Naphthalene	100	100		0.17												
Petroleum Hydrocarbons (TPH)				60000												
P-Xylene	10000	10000	10000	190												
Styrene	100	100	100	1200											1 U	1 U
Tetrachloroethene	5	5	5	11	0 U	1 U	1 U	0 U	0 U	0 U	1 U	1 U	5 U	5 U	1 U	1 U
Toluene	1000	1000	1000	1100	0 U			0 U	0 U	0 U	5 U	5 U	5 U	1.3 J	1 U	1 U
trans-1,2-Dichloroethene	100	100	100	360	0 U	1 U	1 U	0 U	0 U	0 U	5 U	5 U	5 U	5 U	1 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.47		1 U	1 U				5 U	5 U	5 U	5 U	1 U	1 U
Trichloroethene	5	5	5	0.49	13	3	1.6	3.3	25	2.7	3.5	2.4	1.4 J	2.1 J	1.7	2
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.019	0 U	1 U	1 U	0 U	0 U	0 U	5 U	5 U	5 U	5 U	1 U	1 U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	190	0 U			0 U	0 U						3 U	3 U

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Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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 7/16/2009	RW-2 7/6/2010	RW-2 7/1/2011	RW-2 5/29/2013	RW-2 9/10/2013	RW-2 10/20/2014	RW-4 Folk 12/5/1991	RW-4 Folk 3/11/1992	RW-4 Folk 6/12/1992	RW-4 Folk 9/30/1992	RW-4 Folk 12/18/1992	RW-4 Folk 2/24/1993
TOTAL VOC																
Total VOC					5.38	4.3	2.27	1.2	2.16	3.27	0	0	0	0	0	0
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.57	1 U	1 U	1 U	1 U	1 U	1.0 U	U	U	U	U	U	U
1,1,1-Trichloroethane	200	200	200	8000	1 U	1 U	1 U	1 U	1 U	1.0 U	U	U	U	U	U	U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1 U	1 U	1 U	1 U	1 U	1.0 U						
1,1,2-Trichloroethane	5	5	5	0.28	1 U	1 U	1 U	1 U	1 U	1.0 U	U	U	U	U	U	U
1,1,2-Trichlorofluoromethane	2000	2000		1100												
1,1,2-Trichlorotrifluoroethane	63000	170000		55000												
1,1-Dichloroethane	31	160		2.7	1 U	1 U	1 U	1 U	1 U	1.0 U	U	U	U	U	U	U
1,1-Dichloroethene	7	7	7	280	1 U	1 U	1 U	1 U	1 U	1.0 U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	15	62		15												
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	1 U	1 U	1 U	1 U	1 U	1.0 U						
1,2-Dichloroethane	5	5	5	0.17	1 U	1 U	1 U	1 U	1 U	1.0 U	U	U	U	U	U	U
1,2-Dichloroethene	70	70	70								U	U	U	U	U	U
1,2-Dichloropropane	5	5	5	0.44	1 U	1 U	1 U	1 U	1 U	1.0 U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	13	53		120												
1,3-Dichlorobenzene	600	600														
1,3-Dichloropropene	6.6	26		0.47							U	U	U	U	U	U
1,4-Dioxane	6.4	32		0.78	200 U	200 U	200 U	200 U	200 U	200 U						
2-Butanone	4000	4000		5600	10 U	10 U	5 U	5 U	5 U	5.0 U						
2-Chloroethyl Vinyl Ether											U	U	U	U	U	U
2-Hexanone	11	44		38	10 U	10 U	5 U	5 U	5 U	5.0 U						
4-Methyl-2-Pentanone	2900	8200		1200	10 U	10 U	5 U	5 U	5 U	5.0 U						
Acetone	33000	92000		14000	10 U	10 U	5 U	5 U	5 U	5.0 U						
Acrolein	0.042	0.18		0.042												
Acrylonitrile	0.72	3.7		0.052	20 U	20 U	20 U	20 U	20 U	20 U						
Benzene	5	5	5	0.45	1 U	1 U	1 U	1 U	1 U	1.0 U	U	U	U	U	U	U
Bromochloromethane	90	90		83	1 U	1 U	1 U	1 U	1 U	1.0 U						
Bromodichloromethane	80	80		0.13	1 U	1 U	1 U	1 U	1 U	1.0 U	U	U	U	U	U	U
Bromoform	80	80		9.2	1 U	1 U	1 U	1 U	1 U	1.0 U	U	U	U	U	U	U
Bromomethane	10	10		7.5	1 U	1 U	1 U	1 U	1 U	1.0 U	U	U	U	U	U	U
Carbon Disulfide	1500	6200		810	1 U	0.81 J B	1 U	1 U	1 U	1.0 U						
Carbon Tetrachloride	5	5	5	0.45	1 U	1 U	1 U	1 U	1 U	1.0 U	U	U	U	U	U	U
Chlorobenzene	100	100	100	78	1 U	1 U	1 U	1 U	1 U	1.0 U	U	U	U	U	U	U
Chlorodibromomethane	80	80		0.17	1 U	1 U	1 U	1 U	1 U	1.0 U	U	U	U	U	U	U
Chloroethane	230	900		21000	1 U	1 U	1 U	1 U	1 U	1.0 U	U	U	U	U	U	U
Chloroform	80	80		0.22	1.3	0.63 J	0.27 J	1 U	1 U	0.17 J	U	U	U	U	U	U
Chloromethane				190	1 U	0.54 J	1 U	1 U	1 U	1.0 U						
cis-1,2-Dichloroethene	70	70	70	36	1 U	1 U	1 U	1 U	1 U	1.0 U						
cis-1,3-Dichloropropene	6.6	26		0.47	1 U	1 U	1 U	1 U	1 U	1.0 U						
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	1 U	1 U	1.0 U	U	U	U	U	U	U
Isopropylbenzene	840	3500		450												
Methyl tert-butyl ether	20	20		14	1 U	1 U	1 U	1 U	1 U	1.0 U						
Methylene chloride	5	5		11	1 U	1 U	1 U	1 U	1 U	1.0 U	U	U	U	U	U	U

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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 7/16/2009	RW-2 7/6/2010	RW-2 7/1/2011	RW-2 5/29/2013	RW-2 9/10/2013	RW-2 10/20/2014	RW-4 Folk 12/5/1991	RW-4 Folk 3/11/1992	RW-4 Folk 6/12/1992	RW-4 Folk 9/30/1992	RW-4 Folk 12/18/1992	RW-4 Folk 2/24/1993
Naphthalene	100	100		0.17												
Petroleum Hydrocarbons (TPH)				60000												
P-Xylene	10000	10000	10000	190												
Styrene	100	100	100	1200	1 U	1 U	1 U	1 U	1 U	1.0 U						
Tetrachloroethene	5	5	5	11	0.18 J	1 U	1 U	1 U	1 U	1.0 U	U	U	U	U	U	U
Toluene	1000	1000	1000	1100	1 U	0.32 J	1 U	1 U	0.26 J	1.0 U	U	U	U	U	U	U
trans-1,2-Dichloroethene	100	100	100	360	1 U	1 U	1 U	1 U	1 U	1.0 U						
trans-1,3-Dichloropropene	6.6	26		0.47	1 U	1 U	1 U	1 U	1 U	1.0 U						
Trichloroethene	5	5	5	0.49	3.9	2	2	1.2	1.9	3.1	U	U	U	U	U	U
Vinyl Acetate	420	1800		410												
Vinyl Chloride	2	2	2	0.019	1 U	1 U	1 U	1 U	1 U	1.0 U	U	U	U	U	U	U
VOC Library Search																
Xylenes (Total)	10000	10000	10000	190	3 U	3 U	3 U	3 U	3 U	3.0 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.

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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-4 Folk 6/22/1993	RW-4 Folk 8/30/1993	RW-4 Folk 11/30/1993	RW-4 Folk 1/26/1994	RW-4 Folk 4/5/1994	RW-4 Folk 7/15/1994	RW-4 Folk 11/14/1994	RW-4 Folk 3/9/1995	RW-4 Folk 6/7/1995	RW-4 Folk 9/4/1996	RW-4 Folk 12/3/1996
TOTAL VOC															
Total VOC					0	0	0	0	0	0	0	0	0	0	0
Volatile Organic Compound															
1,1,1,2-Tetrachloroethane	70	70		0.57	U	U	U	U	U		U	U			
1,1,1-Trichloroethane	200	200	200	8000	U	U	U	U	U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076						1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.28	U	U	U	U	U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1100											
1,1,2-Trichlorotrifluoroethane	63000	170000		55000							1 U	1 U	1 U		
1,1-Dichloroethane	31	160		2.7	U	U	U	U	U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	280	U	U	U	U	U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	15	62		15											
1,2-Dibromoethane	0.05	0.05	0.05	0.0075											
1,2-Dichloroethane	5	5	5	0.17	U	U	U	U	U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70		U	U	U	U	U	1 U	1 U	1 U	1 U		
1,2-Dichloropropane	5	5	5	0.44	U	U	U	U	U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	13	53		120											
1,3-Dichlorobenzene	600	600													
1,3-Dichloropropene	6.6	26		0.47	U	U	U	U	U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dioxane	6.4	32		0.78											
2-Butanone	4000	4000		5600											
2-Chloroethyl Vinyl Ether					U	U	U	U	U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	11	44		38											
4-Methyl-2-Pentanone	2900	8200		1200											
Acetone	33000	92000		14000											
Acrolein	0.042	0.18		0.042											
Acrylonitrile	0.72	3.7		0.052											
Benzene	5	5	5	0.45	U	U	U	U	U	1 U	2 U	2 U	2 U	2 U	2 U
Bromochloromethane	90	90		83											
Bromodichloromethane	80	80		0.13	U	U	U	U	U	1 U	2 U	2 U	2 U	2 U	2 U
Bromoform	80	80		9.2	U	U	U	U	U	1 U	2 U	2 U	2 U	2 U	2 U
Bromomethane	10	10		7.5	U	U	U	U	U	2 U	5 U	5 U	5 U	5 U	5 U
Carbon Disulfide	1500	6200		810											
Carbon Tetrachloride	5	5	5	0.45	U	U	U	U	U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	78	U	U	U	U	U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.17	U	U	U	U	U	1 U	2 U	2 U	2 U	2 U	2 U
Chloroethane	230	900		21000	U	U	U	U	U	2 U	1 U	1 U	1 U	1 U	1 U
Chloroform	80	80		0.22	U	U	U	U	U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane				190						2 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	36											
cis-1,3-Dichloropropene	6.6	26		0.47											
Ethylbenzene	700	700	700	1.5	U	U	U	U	U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	840	3500		450											
Methyl tert-butyl ether	20	20		14											
Methylene chloride	5	5		11	U	U	U	U	U	2 U	5 U	2 U	2 U	2 U	2 U

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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-4 Folk 6/22/1993	RW-4 Folk 8/30/1993	RW-4 Folk 11/30/1993	RW-4 Folk 1/26/1994	RW-4 Folk 4/5/1994	RW-4 Folk 7/15/1994	RW-4 Folk 11/14/1994	RW-4 Folk 3/9/1995	RW-4 Folk 6/7/1995	RW-4 Folk 9/4/1996	RW-4 Folk 12/3/1996
Naphthalene	100	100		0.17											
Petroleum Hydrocarbons (TPH)				60000											
P-Xylene	10000	10000	10000	190											
Styrene	100	100	100	1200											
Tetrachloroethene	5	5	5	11	U	U	U	U	U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	1000	1000	1000	1100	U	U	U	U	U	1 U	2 U	2 U	2 U	2 U	2 U
trans-1,2-Dichloroethene	100	100	100	360										1 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.47											
Trichloroethene	5	5	5	0.49	U	U	U	U	U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Acetate	420	1800		410											
Vinyl Chloride	2	2	2	0.019	U	U	U	U	U	2 U	1 U	1 U	1 U	1 U	1 U
VOC Library Search															
Xylenes (Total)	10000	10000	10000	190											

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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-4 Folk 3/6/1997	RW-4 Folk 6/4/1997	RW-4 Folk 2/27/2004	RW-4 Folk 5/28/2004	RW-4 Folk 8/27/2004	RW-4 Folk 11/24/2004	RW-4 Folk 3/1/2005	RW-4 Folk 5/17/2005	RW-4 Folk 8/18/2005	RW-4 Folk 11/15/2005	RW-4 Folk 2/16/2006
TOTAL VOC															
Total VOC					0	0	0	0	1.7	0	0	0	0	0	0
Volatile Organic Compound															
1,1,1,2-Tetrachloroethane	70	70		0.57											
1,1,1-Trichloroethane	200	200	200	8000	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.28	1 U	1 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1100											
1,1,2-Trichlorotrifluoroethane	63000	170000		55000											
1,1-Dichloroethane	31	160		2.7	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
1,1-Dichloroethene	7	7	7	280	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	1 U
1,2,4-Trimethylbenzene	15	62		15											
1,2-Dibromoethane	0.05	0.05	0.05	0.0075											
1,2-Dichloroethane	5	5	5	0.17	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	1 U
1,2-Dichloroethene	70	70	70												
1,2-Dichloropropane	5	5	5	0.44	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	13	53		120											
1,3-Dichlorobenzene	600	600													
1,3-Dichloropropene	6.6	26		0.47	1 U	1 U									
1,4-Dioxane	6.4	32		0.78				1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	200 U	200 U
2-Butanone	4000	4000		5600			5 U	5 U	5 U	5 U	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	5 U	5 U	2 U	2 U
2-Hexanone	11	44		38											
4-Methyl-2-Pentanone	2900	8200		1200											
Acetone	33000	92000		14000											
Acrolein	0.042	0.18		0.042			100 U	100 U	100 U	100 U	100 U	100 U	100 U	20 U	20 U
Acrylonitrile	0.72	3.7		0.052			50 U	50 U	50 U	50 U	50 U	50 U	50 U	20 U	20 U
Benzene	5	5	5	0.45	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	90	90		83											
Bromodichloromethane	80	80		0.13	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	80	80		9.2	2 U	2 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	1 U	1 U
Bromomethane	10	10		7.5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
Carbon Disulfide	1500	6200		810											
Carbon Tetrachloride	5	5	5	0.45	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	1 U
Chlorobenzene	100	100	100	78	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
Chlorodibromomethane	80	80		0.17	2 U	2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
Chloroethane	230	900		21000	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
Chloroform	80	80		0.22	1 U	1 U	5 U	5 U	1.7 J	5 U	5 U	5 U	5 U	1 U	1 U
Chloromethane				190	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
cis-1,2-Dichloroethene	70	70	70	36			5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
cis-1,3-Dichloropropene	6.6	26		0.47			5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	1 U	1 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	1 U	1 U
Isopropylbenzene	840	3500		450											
Methyl tert-butyl ether	20	20		14											
Methylene chloride	5	5		11	2 U	2 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	1 U	1 U

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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-4 Folk 3/6/1997	RW-4 Folk 6/4/1997	RW-4 Folk 2/27/2004	RW-4 Folk 5/28/2004	RW-4 Folk 8/27/2004	RW-4 Folk 11/24/2004	RW-4 Folk 3/1/2005	RW-4 Folk 5/17/2005	RW-4 Folk 8/18/2005	RW-4 Folk 11/15/2005	RW-4 Folk 2/16/2006
Naphthalene	100	100		0.17											
Petroleum Hydrocarbons (TPH)				60000											
P-Xylene	10000	10000	10000	190											
Styrene	100	100	100	1200											
Tetrachloroethene	5	5	5	11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	1000	1000	1000	1100	2 U	2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
trans-1,2-Dichloroethene	100	100	100	360	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.47			5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
Trichloroethene	5	5	5	0.49	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Acetate	420	1800		410											
Vinyl Chloride	2	2	2	0.019	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
VOC Library Search															
Xylenes (Total)	10000	10000	10000	190											

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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-4 Folk 5/19/2006	RW-4 Folk 8/9/2006	RW-4 Folk 11/4/2006	RW-4 Folk 2/13/2007	RW-4 Folk 5/10/2007	RW-4 Folk 8/22/2007	RW-4 Folk 5/14/2008	RW-4 Folk 9/10/2008	RW-4 Folk 6/18/2009	RW-4 FOLK 6/25/2010	RW-4 Folk 6/28/2011
TOTAL VOC															
Total VOC					0.79	0.2	0	0	0.18	0.16	0.095	0	0.18	0.17	0.19
Volatile Organic Compound															
1,1,1,2-Tetrachloroethane	70	70		0.57						1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	200	200	200	8000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.28	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1100											
1,1,2-Trichlorotrifluoroethane	63000	170000		55000											
1,1-Dichloroethane	31	160		2.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	280	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	15	62		15											
1,2-Dibromoethane	0.05	0.05	0.05	0.0075						1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	5	5	5	0.17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70												
1,2-Dichloropropane	5	5	5	0.44	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	13	53		120											
1,3-Dichlorobenzene	600	600													
1,3-Dichloropropene	6.6	26		0.47											
1,4-Dioxane	6.4	32		0.78	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U
2-Butanone	4000	4000		5600	5 U	10 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	5 U
2-Chloroethyl Vinyl Ether					2 U	10 U	2 U	2 U	2 U						
2-Hexanone	11	44		38						10 U	10 U	10 U	10 U	10 U	5 U
4-Methyl-2-Pentanone	2900	8200		1200						10 U	10 U	10 U	10 U	10 U	5 U
Acetone	33000	92000		14000						10 U	10 U	10 U	10 U	10 U	5 U
Acrolein	0.042	0.18		0.042	20 U	20 U	20 U	20 U	20 U						
Acrylonitrile	0.72	3.7		0.052	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Benzene	5	5	5	0.45	0.31 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	90	90		83						1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	80	80		0.13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	80	80		9.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	10	10		7.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	1500	6200		810						1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	5	5	0.45	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	78	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	230	900		21000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	80	80		0.22	1 U	1 U	1 U	1 U	0.18 J	0.16 J	0.095 J	1 U	0.18 J	0.17 J	0.19 J
Chloromethane				190	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	70	70	70	36	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	6.6	26		0.47	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	840	3500		450											
Methyl tert-butyl ether	20	20		14						1 U	1 U	1 U	1 U	1 U	1 U
Methylene chloride	5	5		11	0.48 JB	0.2 JB	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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-4 Folk 5/19/2006	RW-4 Folk 8/9/2006	RW-4 Folk 11/4/2006	RW-4 Folk 2/13/2007	RW-4 Folk 5/10/2007	RW-4 Folk 8/22/2007	RW-4 Folk 5/14/2008	RW-4 Folk 9/10/2008	RW-4 Folk 6/18/2009	RW-4 FOLK 6/25/2010	RW-4 Folk 6/28/2011
Naphthalene	100	100		0.17											
Petroleum Hydrocarbons (TPH)				60000											
P-Xylene	10000	10000	10000	190											
Styrene	100	100	100	1200						1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	5	5	11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	1000	1000	1000	1100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	100	100	100	360	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.47	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	5	5	0.49	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Acetate	420	1800		410											
Vinyl Chloride	2	2	2	0.019	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
VOC Library Search															
Xylenes (Total)	10000	10000	10000	190						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.

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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-4 Folk 5/30/2013	RW-4 Folk 9/11/2013	RW-4 Folk 10/24/2014	TATE (S-6) 3/11/1992	TATE (S-6) 6/12/1992	TATE (S-6) 9/30/1992	TATE (S-6) 12/23/1992	TATE (S-6) 2/24/1993	TATE (S-6) 6/22/1993	TATE (S-6) 8/30/1993	TATE (S-6) 11/30/1993
TOTAL VOC															
Total VOC					0.24	0.53	0	0	0	0	0	0	0	0	0
Volatile Organic Compound															
1,1,1,2-Tetrachloroethane	70	70		0.57	1 U	1 U	1.0 U	U	U	U	U	U	U	U	U
1,1,1-Trichloroethane	200	200	200	8000	1 U	1 U	1.0 U	U	U	U	U	U	U	U	U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1 U	1 U	1.0 U								
1,1,2-Trichloroethane	5	5	5	0.28	1 U	1 U	1.0 U	U	U	U	U	U	U	U	U
1,1,2-Trichlorofluoromethane	2000	2000		1100											
1,1,2-Trichlorotrifluoroethane	63000	170000		55000											
1,1-Dichloroethane	31	160		2.7	1 U	1 U	1.0 U	U	U	U	U	U	U	U	U
1,1-Dichloroethene	7	7	7	280	1 U	1 U	1.0 U	U	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	15	62		15											
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	1 U	1 U	1.0 U								
1,2-Dichloroethane	5	5	5	0.17	1 U	1 U	1.0 U	U	U	U	U	U	U	U	U
1,2-Dichloroethene	70	70	70					U	U	U	U	U	U	U	U
1,2-Dichloropropane	5	5	5	0.44	1 U	1 U	1.0 U	U	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	13	53		120											
1,3-Dichlorobenzene	600	600													
1,3-Dichloropropene	6.6	26		0.47				U	U	U	U	U	U	U	U
1,4-Dioxane	6.4	32		0.78	200 U	200 U	200 U								
2-Butanone	4000	4000		5600	5 U	5 U	5.0 U								
2-Chloroethyl Vinyl Ether								U	U	U	U	U	U	U	U
2-Hexanone	11	44		38	5 U	5 U	5.0 U								
4-Methyl-2-Pentanone	2900	8200		1200	5 U	5 U	5.0 U								
Acetone	33000	92000		14000	5 U	5 U	5.0 U								
Acrolein	0.042	0.18		0.042											
Acrylonitrile	0.72	3.7		0.052	20 U	20 U	20 U								
Benzene	5	5	5	0.45	1 U	1 U	1.0 U	U	U	U	U	U	U	U	U
Bromochloromethane	90	90		83	1 U	1 U	1.0 U								
Bromodichloromethane	80	80		0.13	1 U	1 U	1.0 U	U	U	U	U	U	U	U	U
Bromoform	80	80		9.2	1 U	1 U	1.0 U	U	U	U	U	U	U	U	U
Bromomethane	10	10		7.5	1 U	1 U	1.0 U	U	U	U	U	U	U	U	U
Carbon Disulfide	1500	6200		810	1 U	1 U	1.0 U								
Carbon Tetrachloride	5	5	5	0.45	1 U	1 U	1.0 U	U	U	U	U	U	U	U	U
Chlorobenzene	100	100	100	78	1 U	1 U	1.0 U	U	U	U	U	U	U	U	U
Chlorodibromomethane	80	80		0.17	1 U	1 U	1.0 U	U	U	U	U	U	U	U	U
Chloroethane	230	900		21000	1 U	1 U	1.0 U	U	U	U	U	U	U	U	U
Chloroform	80	80		0.22	0.24 J	0.53 J	1.0 U	U	U	U	U	U	U	U	U
Chloromethane				190	1 U	1 U	1.0 U								
cis-1,2-Dichloroethene	70	70	70	36	1 U	1 U	1.0 U								
cis-1,3-Dichloropropene	6.6	26		0.47	1 U	1 U	1.0 U								
Ethylbenzene	700	700	700	1.5	1 U	1 U	1.0 U	U	U	U	U	U	U	U	U
Isopropylbenzene	840	3500		450											
Methyl tert-butyl ether	20	20		14	1 U	1 U	1.0 U								
Methylene chloride	5	5		11	1 U	1 U	1.0 U	U	U	U	U	U	U	U	U

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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-4 Folk 5/30/2013	RW-4 Folk 9/11/2013	RW-4 Folk 10/24/2014	TATE (S-6) 3/11/1992	TATE (S-6) 6/12/1992	TATE (S-6) 9/30/1992	TATE (S-6) 12/23/1992	TATE (S-6) 2/24/1993	TATE (S-6) 6/22/1993	TATE (S-6) 8/30/1993	TATE (S-6) 11/30/1993
Naphthalene	100	100		0.17											
Petroleum Hydrocarbons (TPH)				60000											
P-Xylene	10000	10000	10000	190											
Styrene	100	100	100	1200	1 U	1 U	1.0 U								
Tetrachloroethene	5	5	5	11	1 U	1 U	1.0 U	U	U	U	U	U	U	U	U
Toluene	1000	1000	1000	1100	1 U	1 U	1.0 U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	100	100	100	360	1 U	1 U	1.0 U								
trans-1,3-Dichloropropene	6.6	26		0.47	1 U	1 U	1.0 U								
Trichloroethene	5	5	5	0.49	1 U	1 U	1.0 U	U	U	U	U	U	U	U	U
Vinyl Acetate	420	1800		410											
Vinyl Chloride	2	2	2	0.019	1 U	1 U	1.0 U	U	U	U	U	U	U	U	U
VOC Library Search															
Xylenes (Total)	10000	10000	10000	190	3 U	3 U	3.0 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.

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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) 2/28/1994	TATE (S-6) 4/5/1994	TATE (S-6) 7/15/1994	TATE (S-6) 11/14/1994	TATE (S-6) 6/7/1995	TATE (S-6) 9/7/1995	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
TOTAL VOC															
Total VOC					0	0	0	0	0	2	1	2	1	1	2
Volatile Organic Compound															
1,1,1,2-Tetrachloroethane	70	70		0.57	U	U		U							
1,1,1-Trichloroethane	200	200	200	8000	U	U	1 U	1 U	1 U						1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076			1 U	1 U	1 U						1 U
1,1,2-Trichloroethane	5	5	5	0.28	U	U	1 U	1 U	1 U						1 U
1,1,2-Trichlorofluoromethane	2000	2000		1100											
1,1,2-Trichlorotrifluoroethane	63000	170000		55000				1 U	1 U						
1,1-Dichloroethane	31	160		2.7	U	U	1 U	1 U	1 U						1 U
1,1-Dichloroethene	7	7	7	280	U	U	1 U	1 U	1 U						1 U
1,2,4-Trimethylbenzene	15	62		15											
1,2-Dibromoethane	0.05	0.05	0.05	0.0075											
1,2-Dichloroethane	5	5	5	0.17	U	U	1 U	1 U	1 U						1 U
1,2-Dichloroethene	70	70	70		U	U	1 U	1 U	1 U						
1,2-Dichloropropane	5	5	5	0.44	U	U	1 U	1 U	1 U						1 U
1,3,5-Trimethylbenzene	13	53		120											
1,3-Dichlorobenzene	600	600													
1,3-Dichloropropene	6.6	26		0.47	U	U	1 U	1 U	1 U						1 U
1,4-Dioxane	6.4	32		0.78											
2-Butanone	4000	4000		5600											
2-Chloroethyl Vinyl Ether					U	U	10 U	10 U	10 U						10 U
2-Hexanone	11	44		38											
4-Methyl-2-Pentanone	2900	8200		1200											
Acetone	33000	92000		14000											
Acrolein	0.042	0.18		0.042											
Acrylonitrile	0.72	3.7		0.052											
Benzene	5	5	5	0.45	U	U	1 U	2 U	2 U						2 U
Bromochloromethane	90	90		83											
Bromodichloromethane	80	80		0.13	U	U	1 U	2 U	2 U						2 U
Bromoform	80	80		9.2	U	U	1 U	2 U	2 U						2 U
Bromomethane	10	10		7.5	U	U	2 U	5 U	5 U						5 U
Carbon Disulfide	1500	6200		810											
Carbon Tetrachloride	5	5	5	0.45	U	U	1 U	1 U	1 U						1 U
Chlorobenzene	100	100	100	78	U	U	1 U	1 U	1 U						1 U
Chlorodibromomethane	80	80		0.17	U	U	1 U	2 U	2 U						2 U
Chloroethane	230	900		21000	U	U	2 U	1 U	1 U						1 U
Chloroform	80	80		0.22	U	U	1 U	1 U	1 U	2 B	1 B	2	1	1	2
Chloromethane				190			2 U	5 U	5 U						5 U
cis-1,2-Dichloroethene	70	70	70	36											
cis-1,3-Dichloropropene	6.6	26		0.47											
Ethylbenzene	700	700	700	1.5	U	U	1 U	1 U	1 U						1 U
Isopropylbenzene	840	3500		450											
Methyl tert-butyl ether	20	20		14											
Methylene chloride	5	5		11	U	U	2 U	2 U	2 U						2 U

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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) 2/28/1994	TATE (S-6) 4/5/1994	TATE (S-6) 7/15/1994	TATE (S-6) 11/14/1994	TATE (S-6) 6/7/1995	TATE (S-6) 9/7/1995	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
Naphthalene	100	100		0.17											
Petroleum Hydrocarbons (TPH)				60000											
P-Xylene	10000	10000	10000	190											
Styrene	100	100	100	1200											
Tetrachloroethene	5	5	5	11	U	U	1 U	1 U	1 U						1 U
Toluene	1000	1000	1000	1100	U	U	1 U	2 U	2 U						2 U
trans-1,2-Dichloroethene	100	100	100	360											1 U
trans-1,3-Dichloropropene	6.6	26		0.47											
Trichloroethene	5	5	5	0.49	U	U	1 U	1 U	1 U						1 U
Vinyl Acetate	420	1800		410											
Vinyl Chloride	2	2	2	0.019	U	U	2 U	1 U	1 U						1 U
VOC Library Search															
Xylenes (Total)	10000	10000	10000	190											

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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) 12/3/1996	TATE (S-6) 3/6/1997	TATE (S-6) 6/4/1997	TATE (S-6) 2/27/2004	TATE (S-6) 5/28/2004	TATE (S-6) 8/27/2004	TATE (S-6) 9/22/2004	TATE (S-6) 11/24/2004	TATE (S-6) 3/1/2005	TATE (S-6) 5/17/2005	TATE (S-6) 8/18/2005
TOTAL VOC															
Total VOC					2	3	4	2.7	2.2	1.6	0	1.8	1.8	2.1	2.3
Volatile Organic Compound															
1,1,1,2-Tetrachloroethane	70	70		0.57											
1,1,1-Trichloroethane	200	200	200	8000	1 U	1 U	1 U	5 U	5 U	5 U		5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1 U	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.28	1 U	1 U	1 U	3 U	3 U	3 U		3 U	3 U	3 U	3 U
1,1,2-Trichlorofluoromethane	2000	2000		1100											
1,1,2-Trichlorotrifluoroethane	63000	170000		55000											
1,1-Dichloroethane	31	160		2.7	1 U	1 U	1 U	5 U	5 U	5 U		5 U	5 U	5 U	5 U
1,1-Dichloroethene	7	7	7	280	1 U	1 U	1 U	2 U	2 U	2 U		2 U	2 U	2 U	2 U
1,2,4-Trimethylbenzene	15	62		15											
1,2-Dibromoethane	0.05	0.05	0.05	0.0075											
1,2-Dichloroethane	5	5	5	0.17	1 U	1 U	1 U	2 U	2 U	2 U		2 U	2 U	2 U	2 U
1,2-Dichloroethene	70	70	70												
1,2-Dichloropropane	5	5	5	0.44	1 U	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	13	53		120											
1,3-Dichlorobenzene	600	600													
1,3-Dichloropropene	6.6	26		0.47	1 U	1 U	1 U								
1,4-Dioxane	6.4	32		0.78					1000 U	1000 U		1000 U	1000 U	1000 U	1000 U
2-Butanone	4000	4000		5600				5 U	5 U	5 U		5 U	5 U	5 U	5 U
2-Chloroethyl Vinyl Ether					10 U	10 U	10 U	5 U	5 U	5 U		5 U	5 U	5 U	5 U
2-Hexanone	11	44		38											
4-Methyl-2-Pentanone	2900	8200		1200											
Acetone	33000	92000		14000											
Acrolein	0.042	0.18		0.042				100 U	100 U	100 U		100 U	100 U	100 U	100 U
Acrylonitrile	0.72	3.7		0.052				50 U	50 U	50 U		50 U	50 U	50 U	50 U
Benzene	5	5	5	0.45	2 U	2 U	2 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U
Bromochloromethane	90	90		83											
Bromodichloromethane	80	80		0.13	2 U	2 U	2 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U
Bromoform	80	80		9.2	2 U	2 U	2 U	4 U	4 U	4 U		4 U	4 U	4 U	4 U
Bromomethane	10	10		7.5	5 U	5 U	5 U	5 U	5 U	5 U		5 U	5 U	5 U	5 U
Carbon Disulfide	1500	6200		810											
Carbon Tetrachloride	5	5	5	0.45	1 U	1 U	1 U	2 U	2 U	2 U		2 U	2 U	2 U	2 U
Chlorobenzene	100	100	100	78	1 U	1 U	1 U	5 U	5 U	5 U		5 U	5 U	5 U	5 U
Chlorodibromomethane	80	80		0.17	2 U	2 U	2 U	5 U	5 U	5 U		5 U	5 U	5 U	5 U
Chloroethane	230	900		21000	1 U	1 U	1 U	5 U	5 U	5 U		5 U	5 U	5 U	5 U
Chloroform	80	80		0.22	2 B	3	4	2.7 J	2.2 J	1.6 J		1.8 J	1.8 J	2.1 J	2.3 J
Chloromethane				190	5 U	5 U	5 U	5 U	5 U	5 U		5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	70	70	70	36				5 U	5 U	5 U		5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	6.6	26		0.47				5 U	5 U	5 U		5 U	5 U	5 U	5 U
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	4 U	4 U	4 U		4 U	4 U	4 U	4 U
Isopropylbenzene	840	3500		450											
Methyl tert-butyl ether	20	20		14											
Methylene chloride	5	5		11	2 U	2 U	2 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.

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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) 12/3/1996	TATE (S-6) 3/6/1997	TATE (S-6) 6/4/1997	TATE (S-6) 2/27/2004	TATE (S-6) 5/28/2004	TATE (S-6) 8/27/2004	TATE (S-6) 9/22/2004	TATE (S-6) 11/24/2004	TATE (S-6) 3/1/2005	TATE (S-6) 5/17/2005	TATE (S-6) 8/18/2005
Naphthalene	100	100		0.17											
Petroleum Hydrocarbons (TPH)				60000											
P-Xylene	10000	10000	10000	190											
Styrene	100	100	100	1200											
Tetrachloroethene	5	5	5	11	1 U	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U
Toluene	1000	1000	1000	1100	2 U	2 U	2 U	5 U	5 U	5 U		5 U	5 U	5 U	5 U
trans-1,2-Dichloroethene	100	100	100	360	1 U	1 U	1 U	5 U	5 U	5 U		5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	6.6	26		0.47				5 U	5 U	5 U		5 U	5 U	5 U	5 U
Trichloroethene	5	5	5	0.49	1 U	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U
Vinyl Acetate	420	1800		410											
Vinyl Chloride	2	2	2	0.019	1 U	1 U	1 U	5 U	5 U	5 U		5 U	5 U	5 U	5 U
VOC Library Search															
Xylenes (Total)	10000	10000	10000	190											

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

Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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) 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	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
TOTAL VOC															
Total VOC					1.6	1.5	4.36	1.9	0.55	0.86	1.5	0.83	0.91	0.82	0.48
Volatile Organic Compound															
1,1,1,2-Tetrachloroethane	70	70		0.57								1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	200	200	200	8000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.28	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1100											
1,1,2-Trichlorotrifluoroethane	63000	170000		55000											
1,1-Dichloroethane	31	160		2.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	280	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	15	62		15											
1,2-Dibromoethane	0.05	0.05	0.05	0.0075								1 U	1 U	1 U	1 U
1,2-Dichloroethane	5	5	5	0.17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70												
1,2-Dichloropropane	5	5	5	0.44	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	13	53		120											
1,3-Dichlorobenzene	600	600													
1,3-Dichloropropene	6.6	26		0.47											
1,4-Dioxane	6.4	32		0.78	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U
2-Butanone	4000	4000		5600	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U	10 U	10 U	5 U
2-Chloroethyl Vinyl Ether					2 U	2 U	2 U	10 U	2 U	2 U	2 U				
2-Hexanone	11	44		38								10 U	10 U	10 U	5 U
4-Methyl-2-Pentanone	2900	8200		1200								10 U	10 U	10 U	5 U
Acetone	33000	92000		14000								10 U	10 U	10 U	5 U
Acrolein	0.042	0.18		0.042	20 U	20 U	20 U	20 U	20 U	20 U	20 U				
Acrylonitrile	0.72	3.7		0.052	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Benzene	5	5	5	0.45	1 U	1 U	1.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	90	90		83								1 U	1 U	1 U	1 U
Bromodichloromethane	80	80		0.13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	80	80		9.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	10	10		7.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	1500	6200		810								1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	5	5	0.45	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	78	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	230	900		21000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	80	80		0.22	1.6	1.5	1.4	1.9	0.55 J	0.86 J	1.5	0.83 J	0.91 J	0.82 J	0.48 J
Chloromethane				190	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	70	70	70	36	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	6.6	26		0.47	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	1 U	1 U	0.54 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	840	3500		450											
Methyl tert-butyl ether	20	20		14								1 U	1 U	1 U	1 U
Methylene chloride	5	5		11	1 U	1 U	0.49 JB	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

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Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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) 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	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
Naphthalene	100	100		0.17											
Petroleum Hydrocarbons (TPH)				60000											
P-Xylene	10000	10000	10000	190											
Styrene	100	100	100	1200								1 U	1 U	1 U	1 U
Tetrachloroethene	5	5	5	11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	1000	1000	1000	1100	1 U	1 U	0.23 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	100	100	100	360	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.47	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	5	5	0.49	1 U	1 U	0.4 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Acetate	420	1800		410											
Vinyl Chloride	2	2	2	0.019	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
VOC Library Search															
Xylenes (Total)	10000	10000	10000	190								3 U	3 U	3 U	3 U

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Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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) 5/29/2013	TATE (S-6) 9/11/2013	TATE (S-6) 10/22/2014	NPBA-SW-1 1/15/2013	NPBA-SW-2 1/15/2013	NPBA-SW-3 1/15/2013
TOTAL VOC										
Total VOC					0.25	0.47	0	0	0	200
Volatile Organic Compound										
1,1,1,2-Tetrachloroethane	70	70		0.57	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	200	200	200	8000	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.28	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1100						
1,1,2-Trichlorotrifluoroethane	63000	170000		55000						
1,1-Dichloroethane	31	160		2.7	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	280	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	15	62		15						
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	5	5	5	0.17	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70							
1,2-Dichloropropane	5	5	5	0.44	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	13	53		120						
1,3-Dichlorobenzene	600	600								
1,3-Dichloropropene	6.6	26		0.47						
1,4-Dioxane	6.4	32		0.78	200 U	200 U	200 U	R	R	R
2-Butanone	4000	4000		5600	5 U	5 U	5 U	5 U	5 U	5 U
2-Chloroethyl Vinyl Ether										
2-Hexanone	11	44		38	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	2900	8200		1200	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	33000	92000		14000	5 U	5 U	5 U	5 U	5 U	5 U
Acrolein	0.042	0.18		0.042						
Acrylonitrile	0.72	3.7		0.052	20 U	20 U	20 U	20 UJ	20 UJ	20 UJ
Benzene	5	5	5	0.45	1 U	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	90	90		83	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	80	80		0.13	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	80	80		9.2	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	10	10		7.5	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	1500	6200		810	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	5	5	0.45	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	78	1 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.17	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	230	900		21000	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	80	80		0.22	0.25 J	0.47 J	1 U	1 U	1 U	1 U
Chloromethane				190	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	70	70	70	36	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	6.6	26		0.47	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
Isopropylbenzene	840	3500		450						
Methyl tert-butyl ether	20	20		14	1 U	1 U	1 U	1 U	1 U	1 U
Methylene chloride	5	5		11	1 U	1 U	1 U	1 U	1 U	1 U

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Groundwater Data Summary - NPBA
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) 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) 5/29/2013	TATE (S-6) 9/11/2013	TATE (S-6) 10/22/2014	NPBA-SW-1 1/15/2013	NPBA-SW-2 1/15/2013	NPBA-SW-3 1/15/2013
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Petroleum Hydrocarbons (TPH)				60000						
P-Xylene	10000	10000	10000	190						
Styrene	100	100	100	1200	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	5	5	11	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	1000	1000	1000	1100	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	100	100	100	360	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.47	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	5	5	0.49	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Acetate	420	1800		410						
Vinyl Chloride	2	2	2	0.019	1 U	1 U	1 U	1 U	1 U	1 U
VOC Library Search										
Xylenes (Total)	10000	10000	10000	190	3 U	3 U	3 U	3 U	3 U	3 U

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