

August 12, 2010

Mr. George Heitzman, P.E.  
Division of Environmental Remediation  
New York State Department of Environmental Conservation  
625 Broadway  
Albany, New York 12233-7017

**Re: New York State Electric & Gas Plattsburgh Bridge Street Former MGP Site  
Site No. 5-10-016  
Index No. DO-0002-9309  
Review of Groundwater Monitoring Results and Trend Analysis**

**Background**

The New York State Department of Environmental Conservation (NYSDEC) and the New York State Electric and Gas Corporation (NYSEG) entered into an Order on Consent (D0-0002-9309) on March 30, 1994 (the Order). Under this Order, NYSEG agreed to investigate and remediate 33 former MGP sites in New York State. The remedial investigation (RI) of the Plattsburgh-Bridge Street former MGP site was completed under the Order. The *Remedial Investigation Report (RIR)*, dated January 15, 2004 presented the findings of the RI. In 2001, during the RI, NYSEG conducted an interim remedial measure (IRM) to locate the former gas holder and remove it as well as impacted soil at and near the site. The NYSDEC approved the *RIR* on January 20, 2004 and prepared a *Proposed Remedial Action Plan (PRAP)* for public review and comment. Following the public comment period, the NYSDEC issued its *Record of Decision (ROD)* in March 2004 that outlined the remedial plan for the site. As specified in the *ROD*, NYSEG prepared an *Operation, Maintenance, & Monitoring Plan (OM&M Plan)*, which the NYSDEC approved on August 17, 2004.

In accordance with the *OM&M Plan*, NYSEG is required to conduct well inspections, water level measurements, Non-Aqueous Phase Liquid (NAPL) observations, and bedrock groundwater sampling from nine bedrock-monitoring wells (MW-1B, MW-2B, MW-3B, MW-6B, MW-7BS, MW-7BD, MW-9B, MW-10B, and MW-11B) on an annual basis. Monitoring reports were submitted to the NYSDEC after each annual event. Figure 1 depicts the site location and Figure 2 depicts the monitoring well locations along with a potentiometric surface map for the bedrock aquifer from groundwater elevation data collected during the December 2009 sampling event. As indicated in the *ROD*, the monitoring program and the effectiveness of the remedy can be re-evaluated after the third year. The *ROD* indicates that the monitoring interval could be extended if site groundwater conditions are improving and the site remedy is physically secure.

URS Corporation-New York (URS) conducted a review of the existing groundwater data for statistical trends and to determine if site groundwater conditions are improving. URS prepared graphs for all nine bedrock monitoring wells displaying concentration versus time for total benzene, toluene, ethylbenzene, and xylenes (BTEX); total polycyclic aromatic hydrocarbons (PAHs); total cyanide; and total phenols. In addition, a Mann-Kendall statistical trend analysis was conducted on the existing data set and the results are summarized on Table 1 and discussed below.

## **Concentration Versus Time Graphs**

The concentrations of analytes were plotted versus time for the nine bedrock monitoring wells, for total BTEX, total PAHs, total cyanide, and total phenols. The graphs are shown in Attachment 1.

### **MW-1B**

Total BTEX: Predominantly benzene. Since 2005 concentrations are consistently less than or equal to NYSDEC groundwater (benzene) criteria of 1 ug/L.

Total PAHs: ND in 2005 and 2006; no data available for 2007-2009.

Total Phenol: ND in 2005 and 2006; no data available for 2007-2009.

Total Cyanide: Consistently ND.

### **MW-2B**

Total BTEX: Total BTEX concentrations are within one order of magnitude from 2002-2009.

Total PAHs: Concentrations vary by 2 orders of magnitude from 2002-2009.

Total Phenol: ND in 2005 and 2009.

Total Cyanide: Consistently ND.

### **MW-3B**

Total BTEX: Increased 2 orders of magnitude from 2002-2009.

Total PAHs: Increased 2 orders of magnitude from 2002-2009; predominantly naphthalene.

Total Phenol: Concentrations vary between ND to 40 ug/L (SCG 1 ug/L).

Total Cyanide: Consistently ND since 2004.

### **MW-6B**

Total BTEX: Increased 3 orders of magnitude from 2002-2009.

Total PAHs: Increased concentrations from 2005 to 2008.

Total Phenol: Concentrations vary between 25 to >225 ug/L.

Total Cyanide: Consistently ND.

### **MW-7BD**

Total BTEX: Concentrations same order of magnitude from 2002-2009.

Total PAHs: Concentrations vary between 2002 and 2009; predominately naphthalene.

Total Phenols: Concentrations vary.

Total Cyanide: Consistently ND.

### **MW-7BS**

Total BTEX: Concentrations decreased one order of magnitude from 2002-2009.

Total PAHs: Concentrations on the same order of magnitude from 2002-2009.

Total Phenols: ND since 2005.

Total Cyanide: ND in 2005-2007 and 2009; below SCG in 2002, 2004 and 2008.

### **MW-9B**

Total BTEX: ND from 2005-2008; below SCGs in 2009.

Total PAHs: Concentrations vary below 5 ug/L; predominantly naphthalene (SCG 10 ug/L).

Total Phenols: Limited data.

Total Cyanide: Data available for 2002 and 2004 only; below SCG.

### **MW-10B**

Total BTEX: ND from 2007-2009.

Total PAHs: Concentrations less than 2 ug/L since 2004; generally ND.

Total Phenols: ND since 2007.

Total Cyanide: Consistently ND.

### **MW-11B**

Total BTEX: Concentrations on same order of magnitude since 2004.

Total PAHs: Concentrations on same order of magnitude since 2005.

Total Phenols: Concentrations vary.

Total Cyanide: Concentrations vary below SCG; ND in 2002, 2005, and 2009.

### **Mann-Kendal Trend Analysis**

The Mann-Kendall test was performed to evaluate the trend for analytes detected above NYSDEC groundwater criteria in the nine bedrock monitoring wells sampled as part of the annual OM&M activities from 2002 to 2009.

The Mann-Kendall test is a non-parametric test for identifying trends in time series data. The test compares the relative magnitudes of sample data. The data values are evaluated as an ordered time series and each data value is compared to all subsequent data values. The initial value of the Mann-Kendall statistic (i.e., S) is assumed to be 0 (i.e., no trend). If a data value from a later time period is higher than a data value from an earlier time period, S is increased by 1. If the data value from a later time period is lower than a data value sampled earlier, S is decreased by 1. The net result of all values yields the final value of S. The non-parametric Mann-Kendall test involves computing a statistic (S), which is the difference between the number of pair-wise slopes that are positive and the number that are negative. The null hypothesis or baseline condition ( $H_0$ ) for these tests was that there are no temporal trends in the contaminant concentrations. The alternate hypotheses were either:

- contaminant concentrations are increasing over time ( $H_1$ ), or
- contaminant concentrations are decreasing over time ( $H_2$ ).

If the Mann-Kendall statistic (S) is a positive value, then evidence of an increasing trend exists in the data. If S is a negative value, then evidence of a decreasing trend exists in the data.

The probability (p) of the S statistic was also calculated and compared to an *a priori* designated significance level ( $\alpha$ ). If the p-value was smaller than  $\alpha$ , then the null hypothesis (the trend was not statistically significant) was rejected. For the purposes of this report, an  $\alpha$  of 0.10, corresponding to a significance level of 10 percent, was used.

As shown in Attachment 2, no trend was observed for analytes detected in bedrock monitoring wells: MW-1B, MW-2B, and MW-9B. An upward trend or no trend was observed for analytes detected in bedrock monitoring wells: MW-3B, MW-6B, MW-7BD, and MW-11B. A downward trend or no trend was observed for analytes detected in the following bedrock monitoring wells: MW-7BS and MW-10B.

## **Summary**

- A decreasing trend for total BTEX and total PAHs was observed in groundwater samples collected from onsite well MW-7BS.
- An increasing trend for total BTEX and total PAHs was observed at downgradient well MW-3B and onsite well MW-6B.
- Concentrations have remained the same or had an increasing trend for groundwater samples collected from onsite well MW-7BD and downgradient well MW-11B.
- Concentrations do not indicate a trend for groundwater samples collected from onsite upgradient wells MW-1B, MW-2B, or downgradient well MW-9B.
- Concentrations indicate both a no trend and decreasing trend for upgradient well MW-10B. There have been no SCG exceedances for VOCs, SVOCs, total cyanide or total phenols since 2006.
- Total cyanide concentrations were consistently not detected or detected below the NYSDEC groundwater criteria of 200 ug/L in the monitoring wells.
- Total phenols concentrations were typically detected above the NYSDEC groundwater criteria of 1 ug/L or were not detected, but were detected in both the upgradient as well as the downgradient monitoring wells.

## **Recommendations**

Based upon results of the most recent sampling round, the graphs of analyte concentrations versus time, and the statistical trend analysis completed for the groundwater monitoring results database, URS recommends the following:

1. MW-10B could be eliminated from the monitoring program beginning with the next sampling event.
2. MW-7BS could be eliminated from the monitoring program in the future (if no NAPL is observed) since concentrations indicate a decreasing trend.
3. Analysis for total cyanide and total phenols could be eliminated from the annual monitoring program beginning with the next sampling event.

Sincerely,

**URS Corporation-New York**

Michael Gutmann  
Project Manager

Enc.

Attachment 1 – Concentration vs Time Graphs  
Attachment 2 – Mann-Kendall Trend Analysis

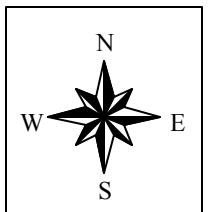
cc: Mr. Tracy Blazicek, CHMM, -NYSEG  
File – 11176154

## **ATTACHMENT 1**

### **Concentration vs Time Graphs**

## **ATTACHMENT 2**

### **Mann-Kendall Trend Analysis**



Title: SITE LOCATION MAP  
Location: BRIDGE STREET FORMER MGP SITE  
PLATTSBURGH, NEW YORK

Client:  NEW YORK STATE  
ELECTRIC AND GAS

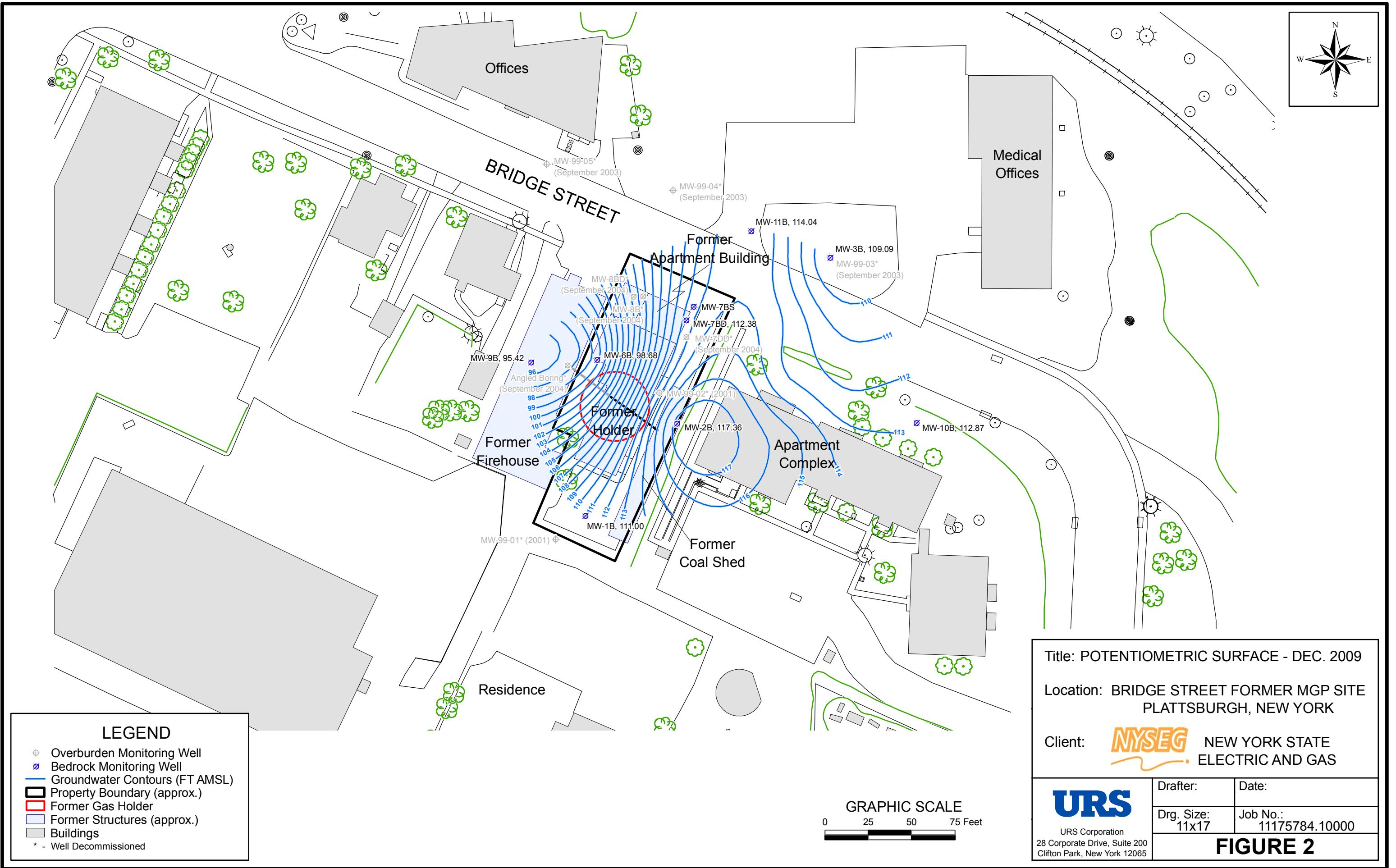
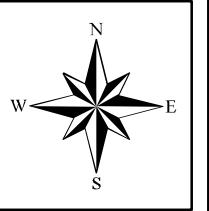
GRAPHIC SCALE  
0 30 60 90 Feet

SOURCE:  
USGS 7 1/2 Minute Series Topographic Map  
Plattsburgh, New York 1966

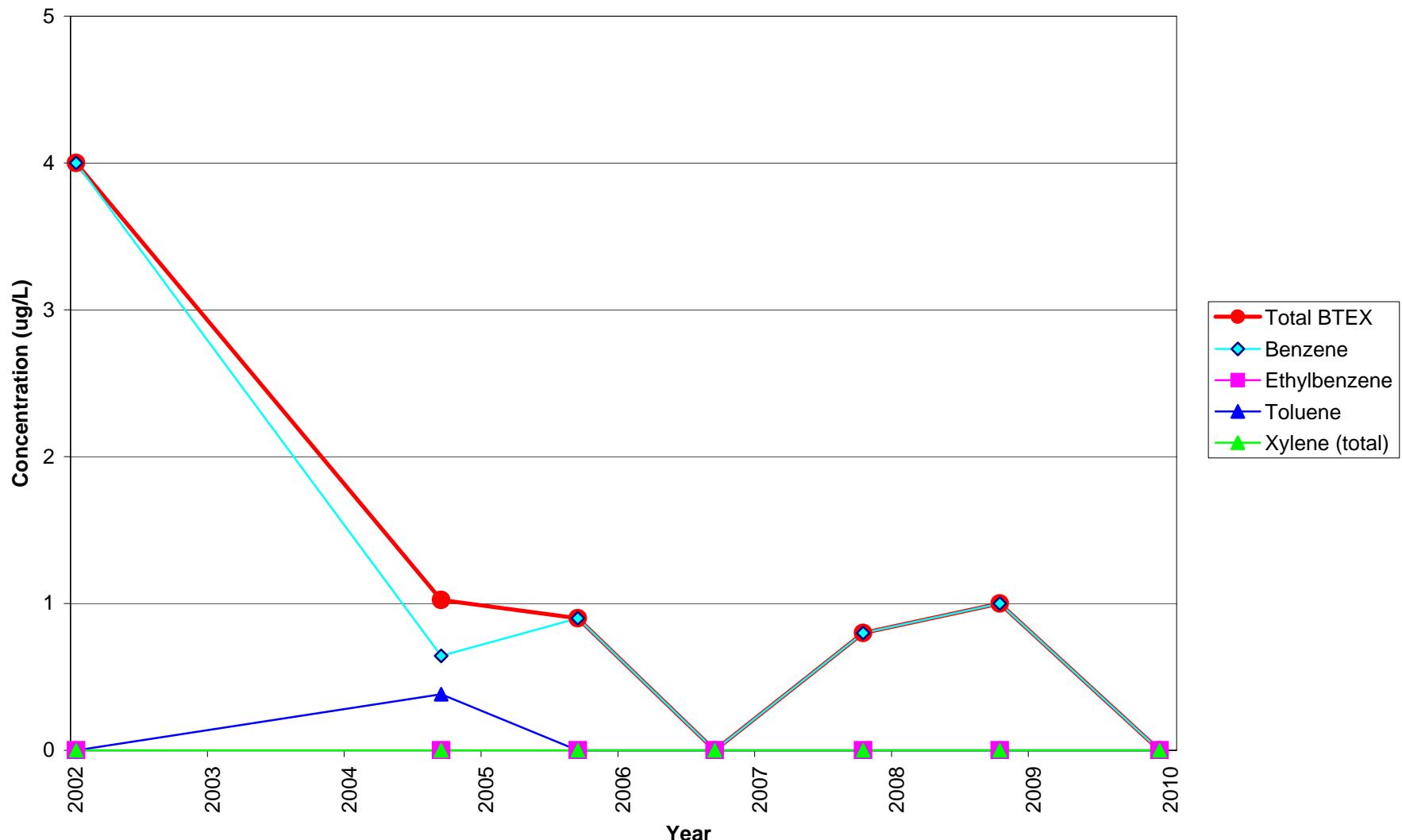
**URS**  
URS Corporation  
28 Corporate Drive, Suite 200  
Clifton Park, New York 12065

|                   |                         |
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| Drg. Size: 8.5X11 | Job No.: 11176154.00000 |

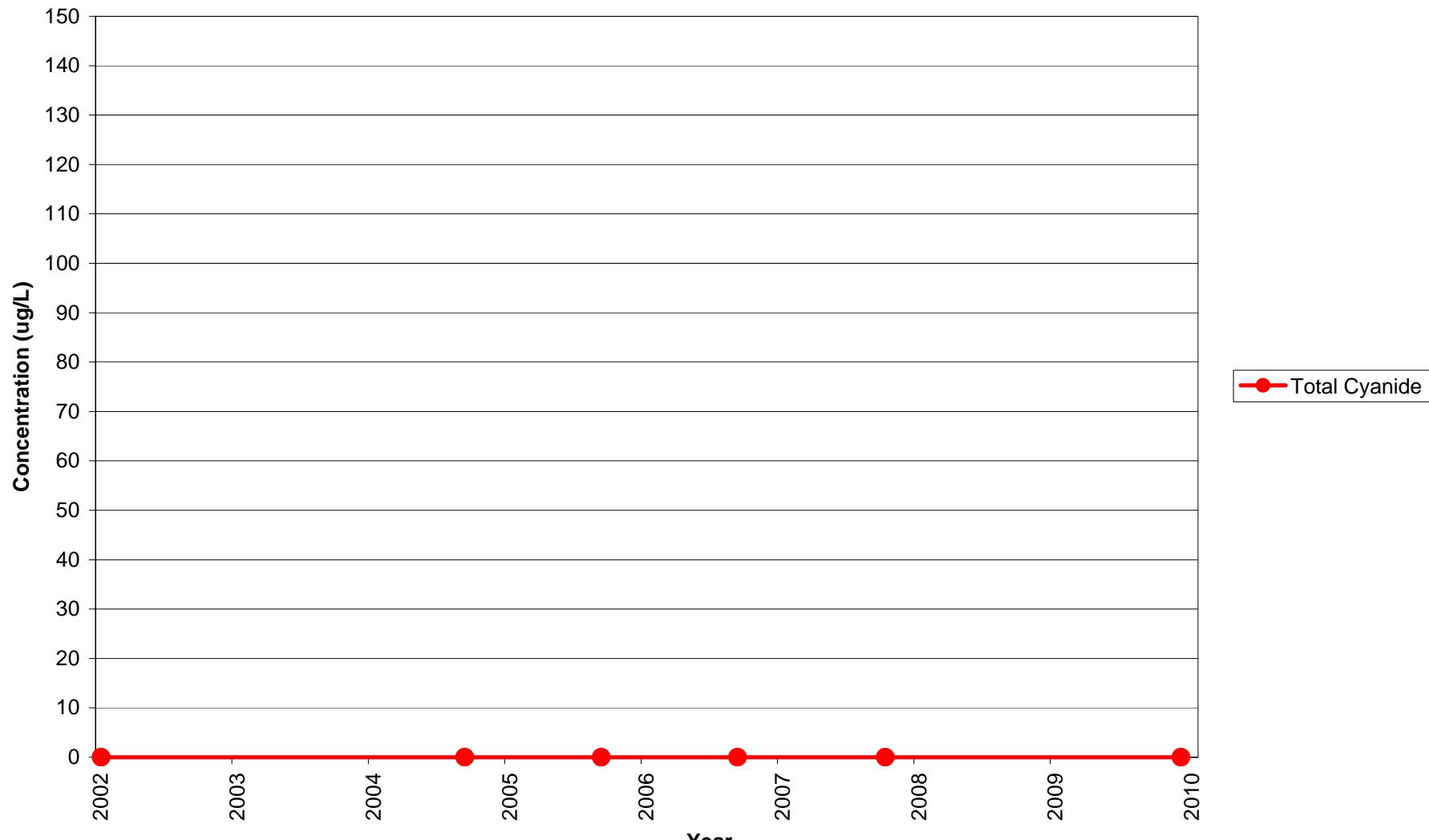
**FIGURE 1**



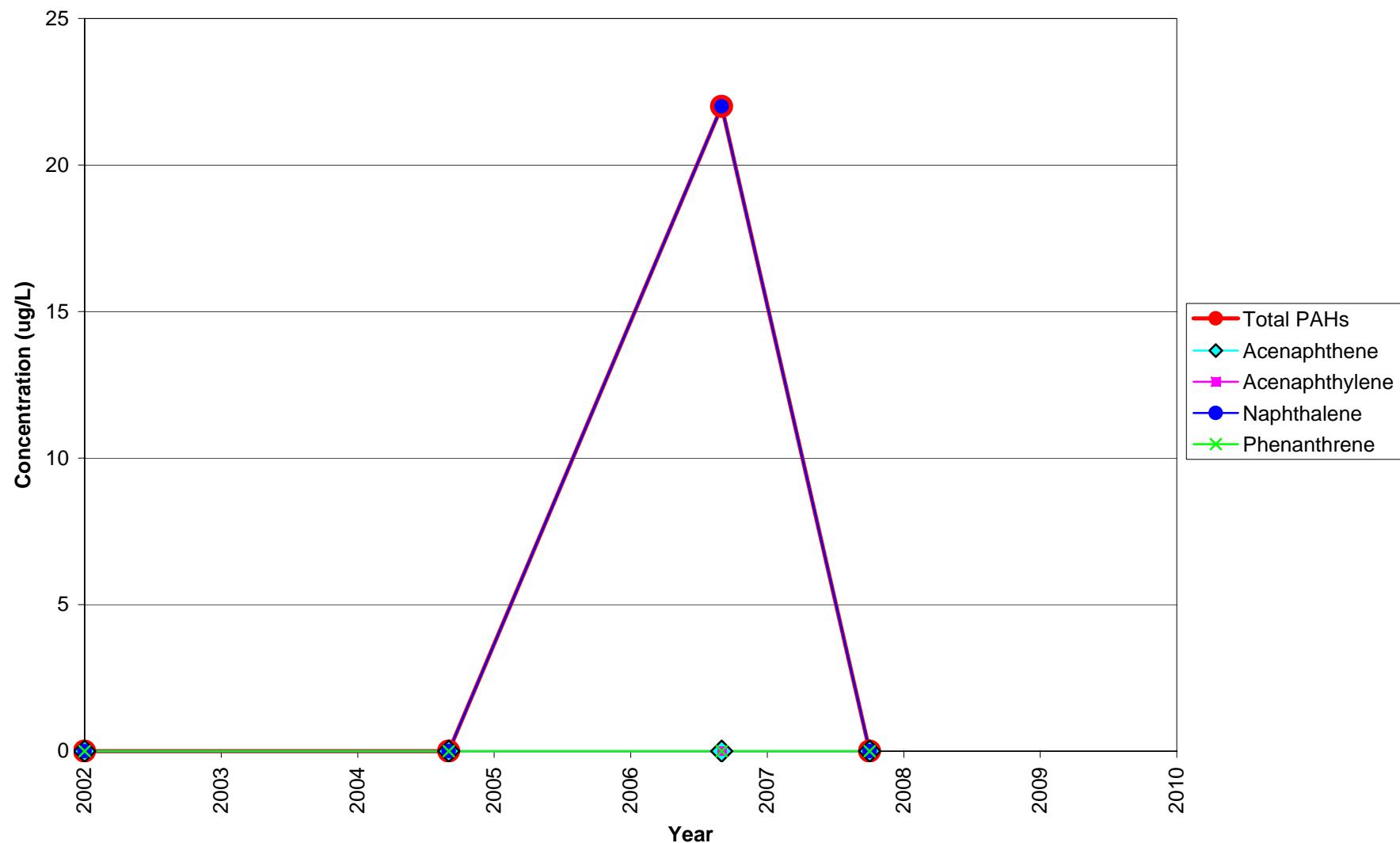
### MW-01B - Total Benzene, Toluene, Ethylbenzene, & Xylenes

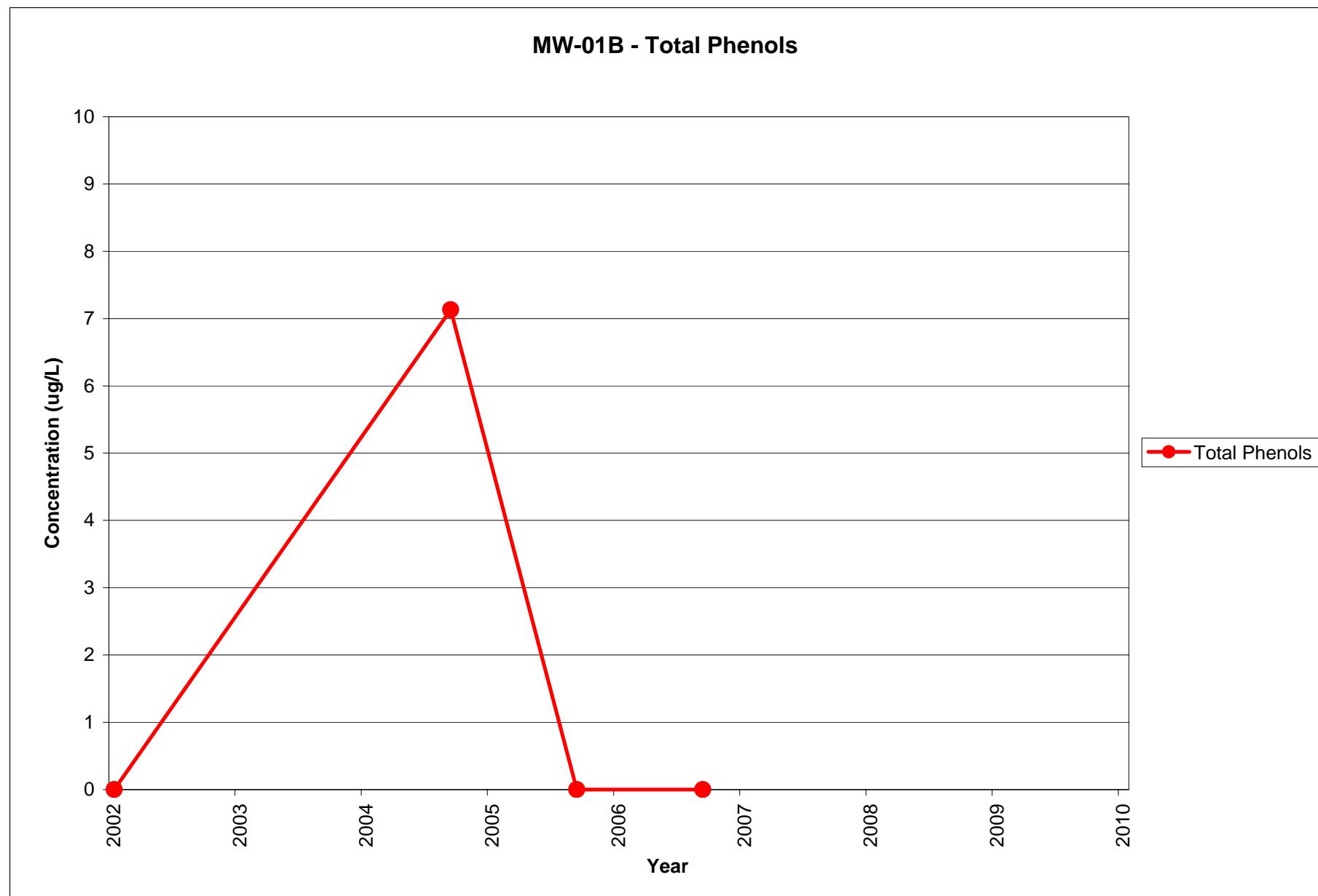


### MW-01B - Total Cyanide

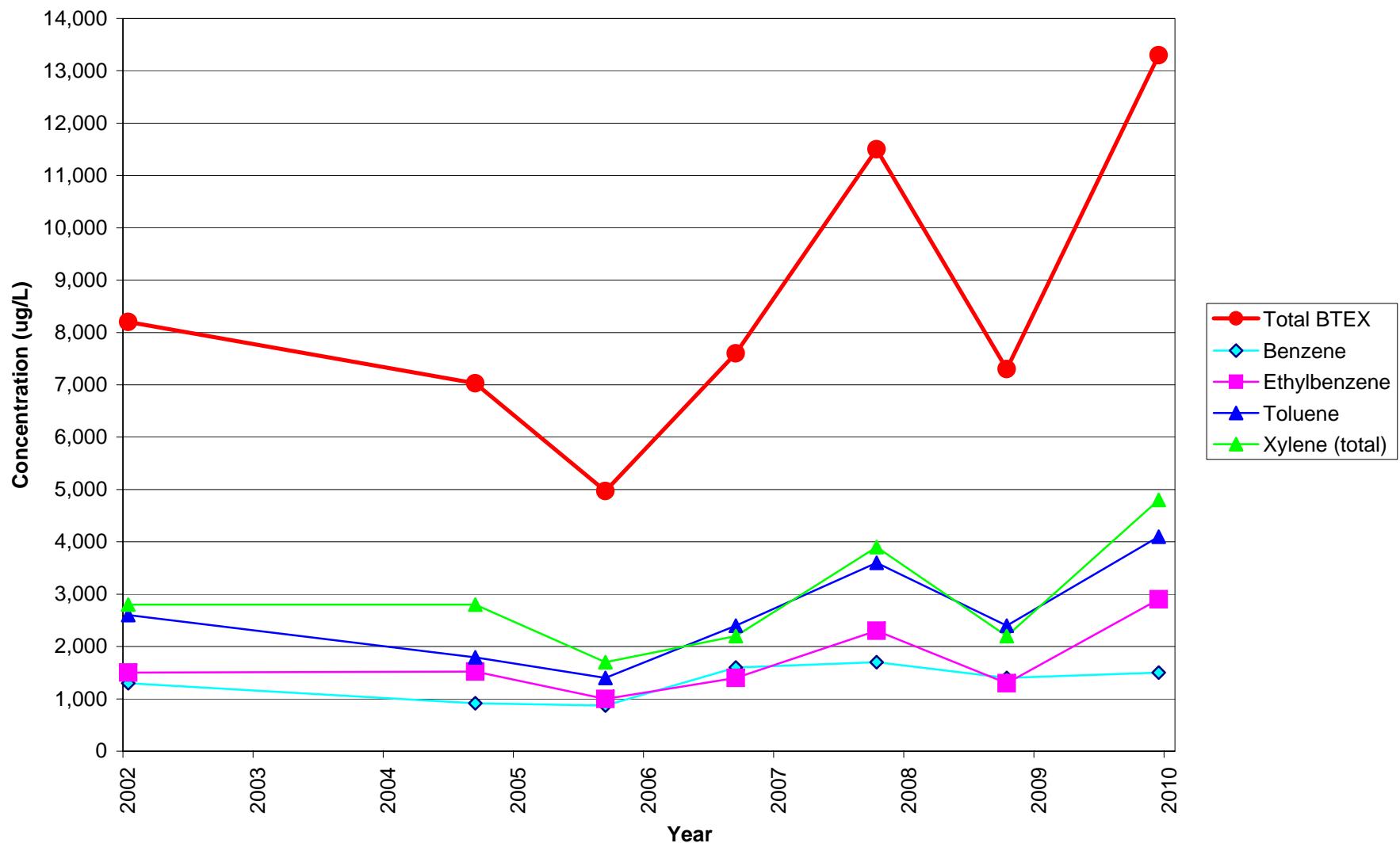


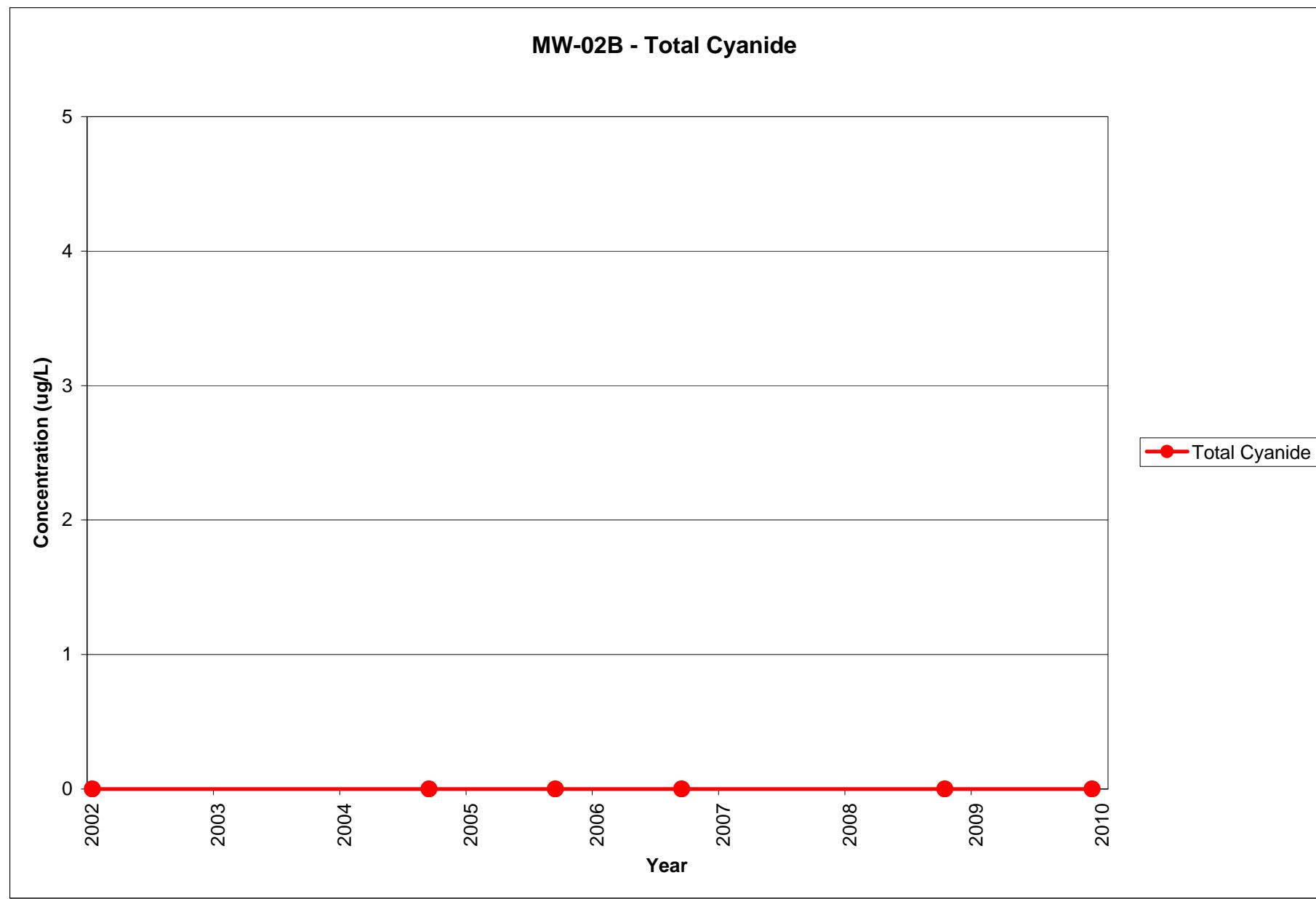
### MW-01B - Polycyclic Aromatic Hydrocarbons



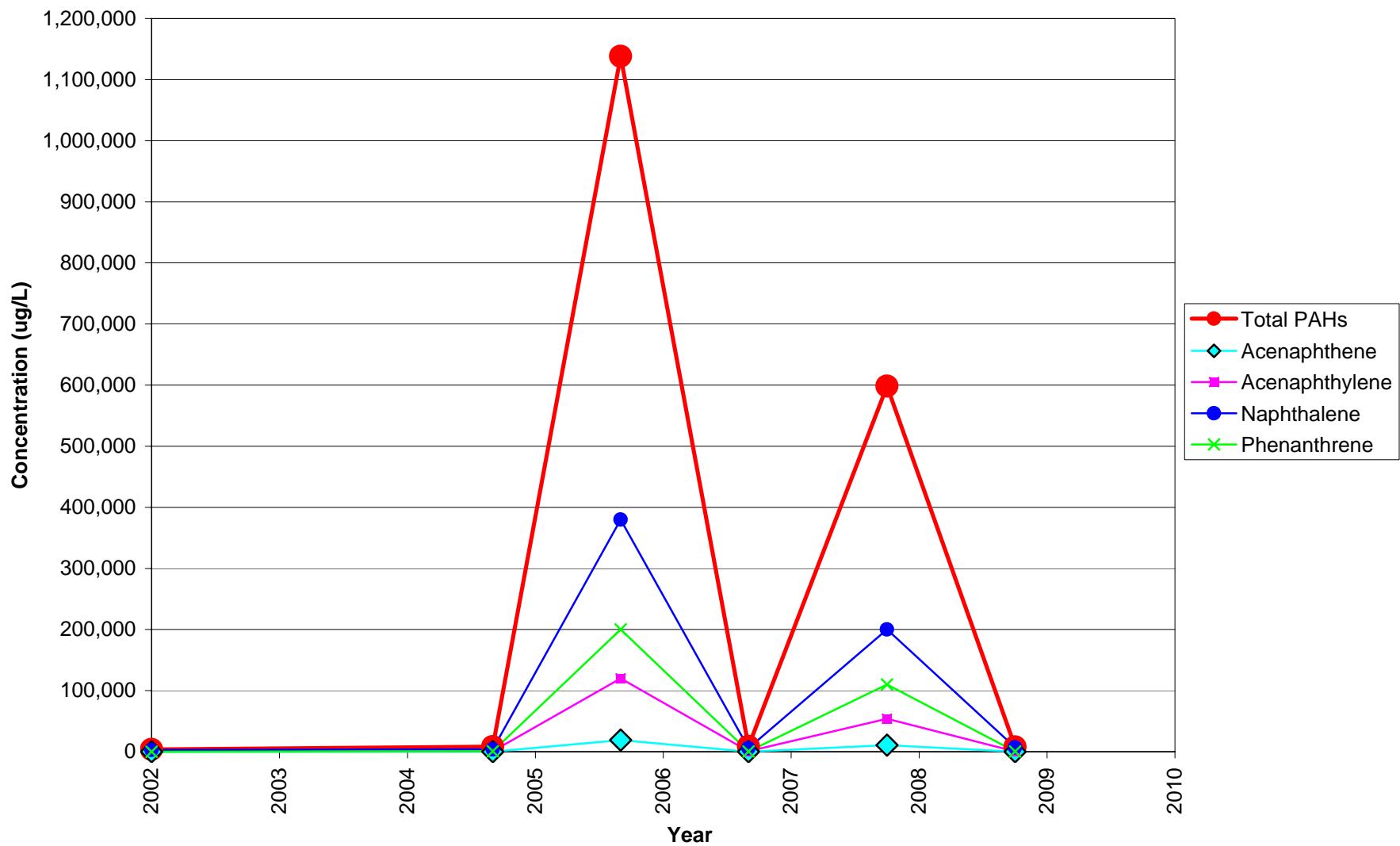


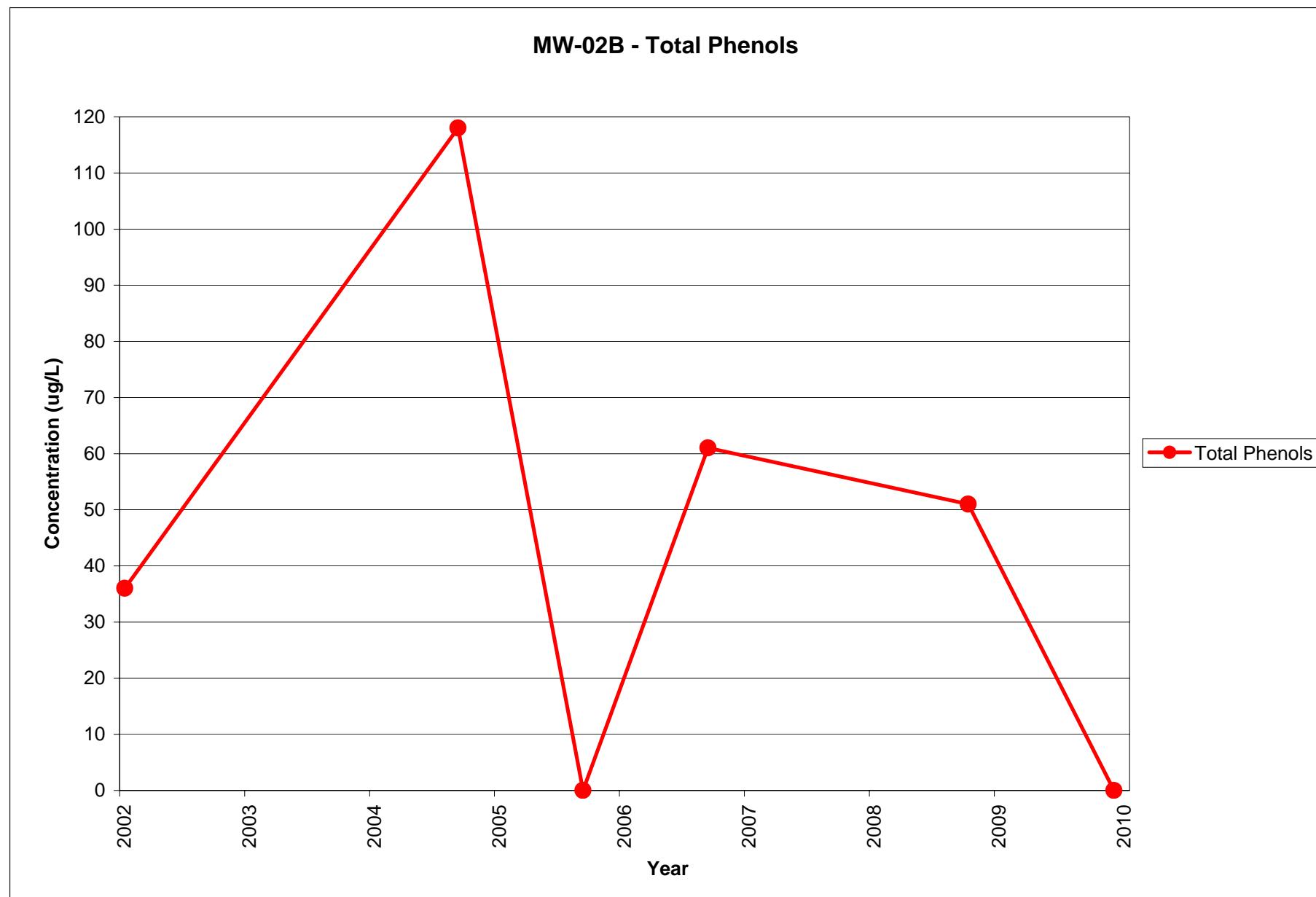
### MW-02B - Total Benzene, Toluene, Ethylbenzene, & Xylenes



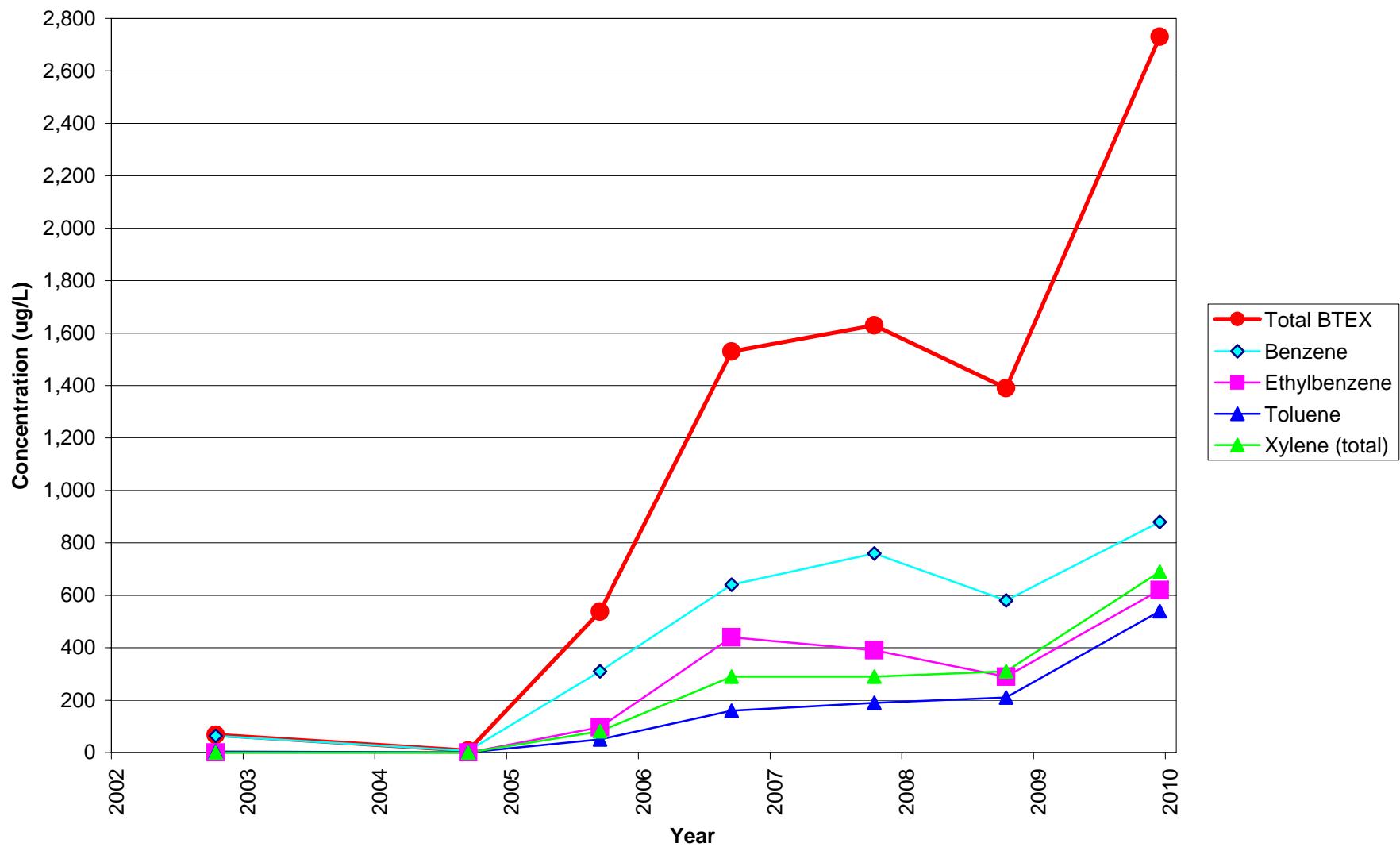


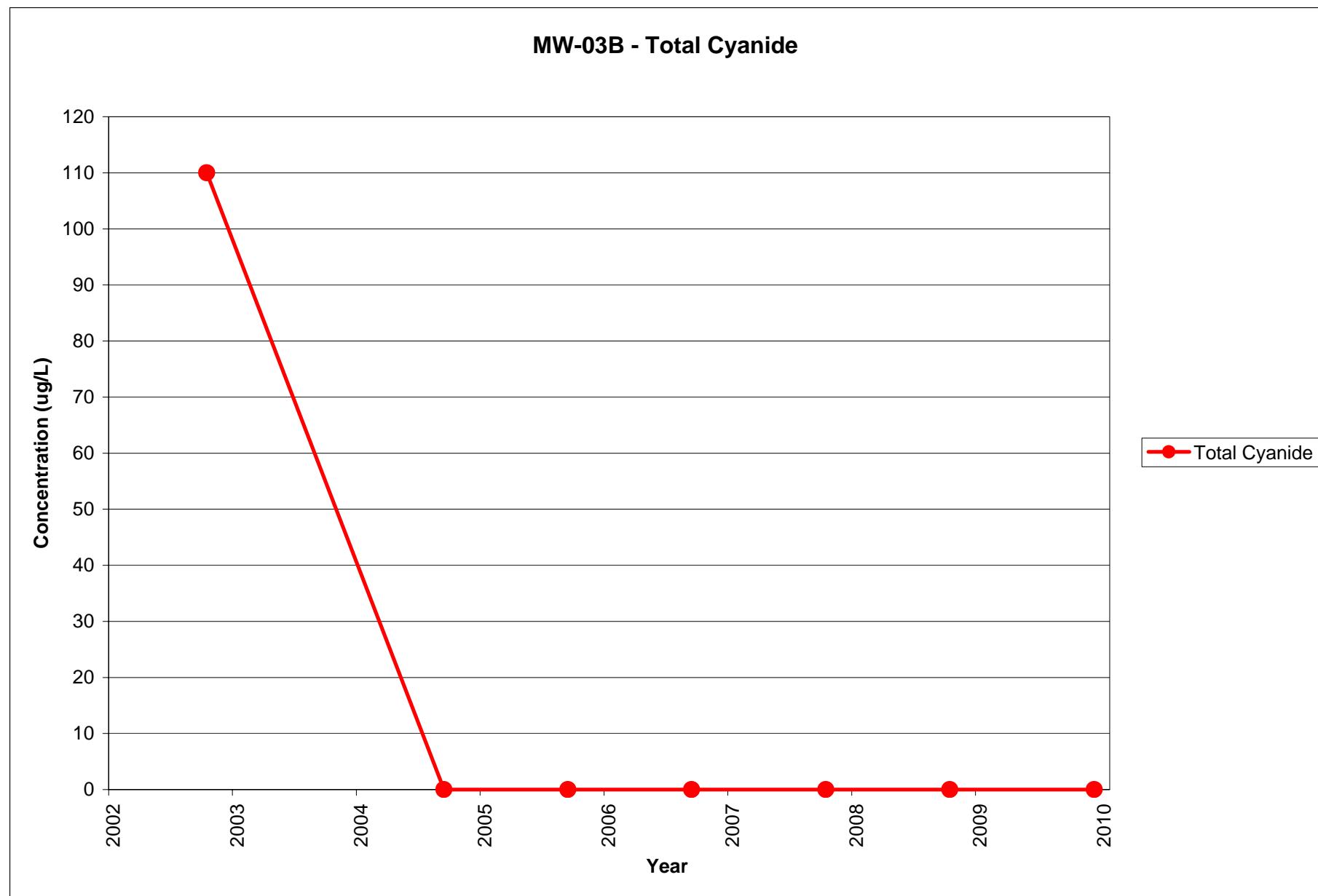
### MW-02B - Polycyclic Aromatic Hydrocarbons



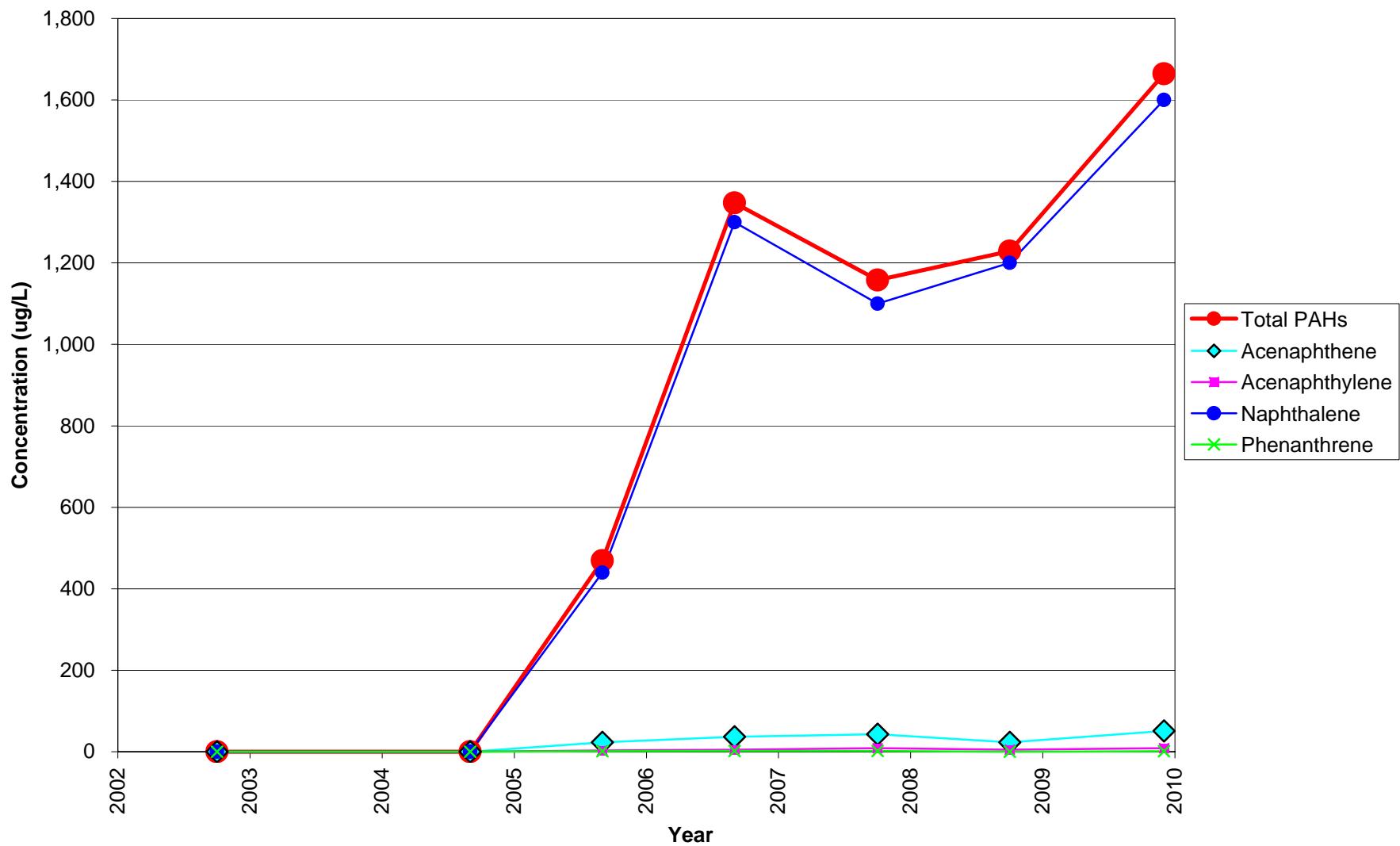


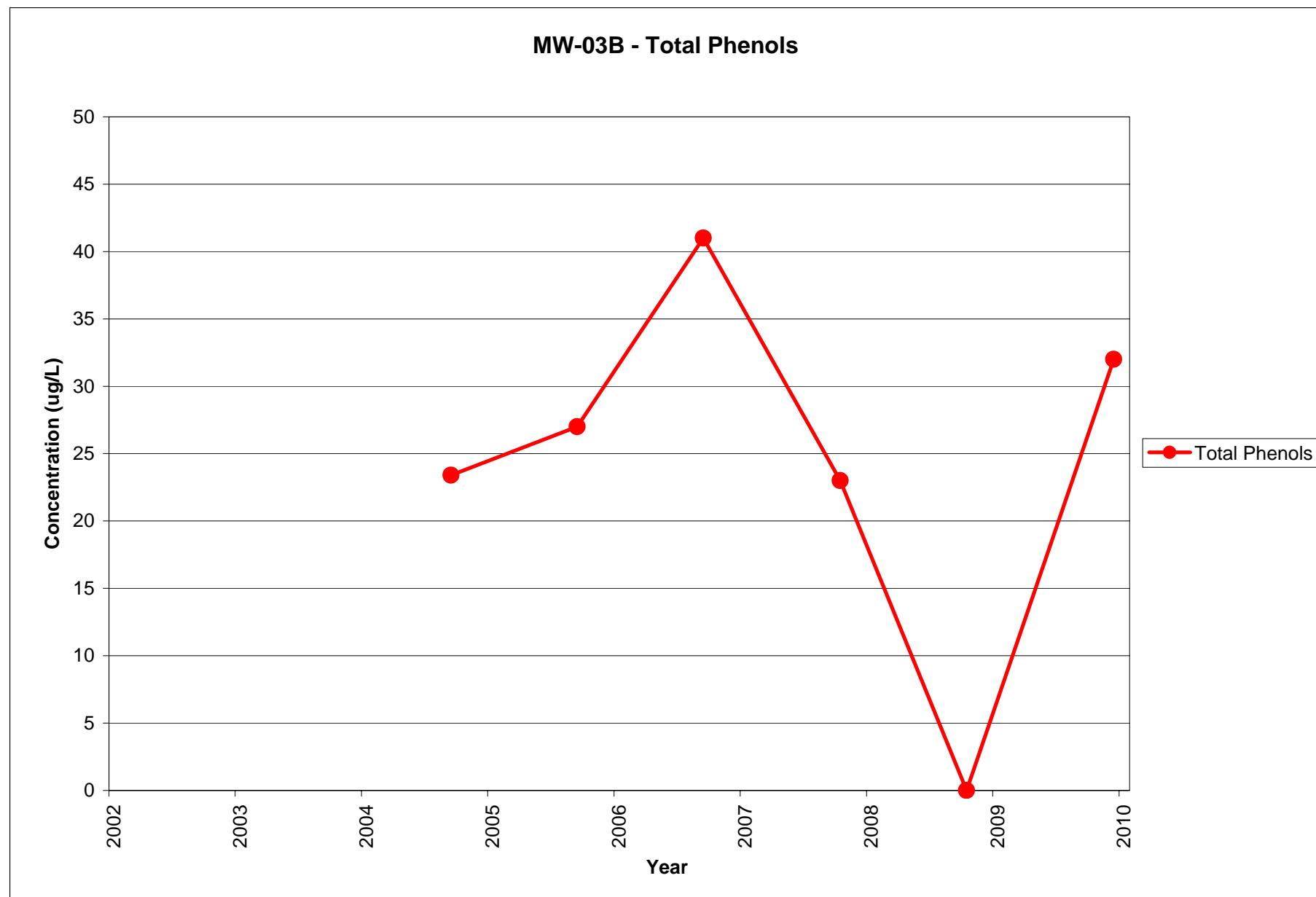
### MW-03B - Total Benzene, Toluene, Ethylbenzene, & Xylenes



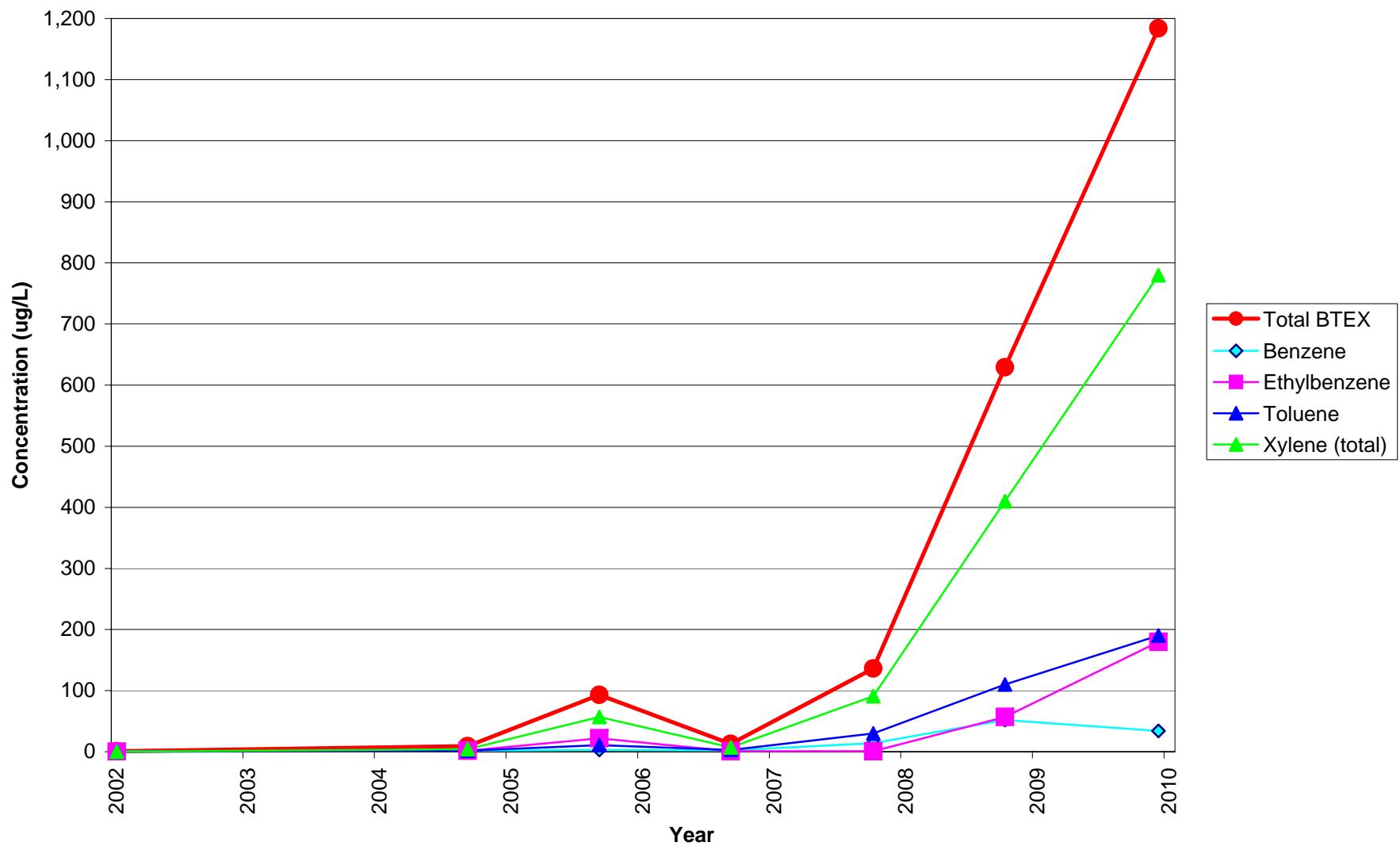


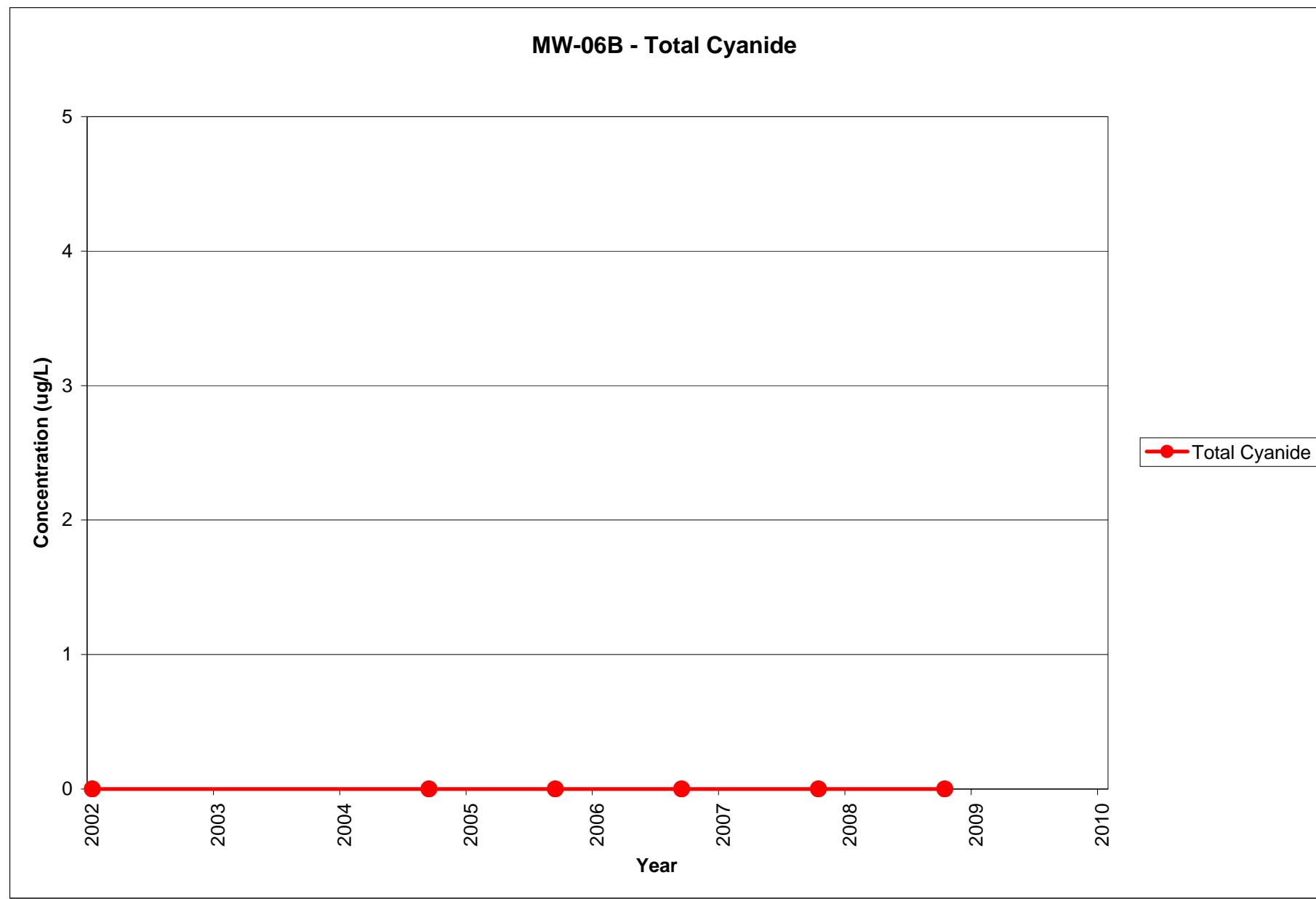
### MW-03B - Polycyclic Aromatic Hydrocarbons



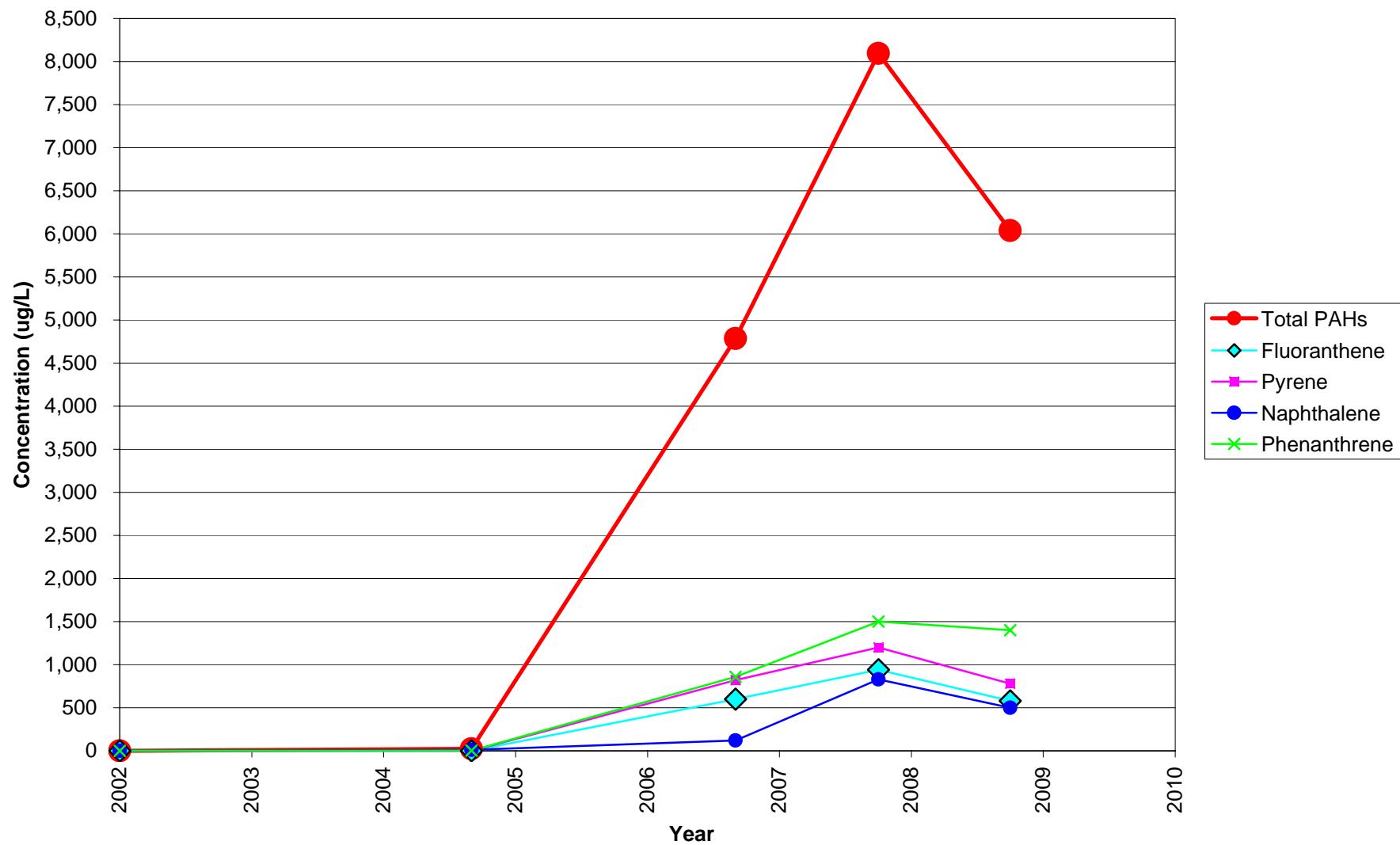


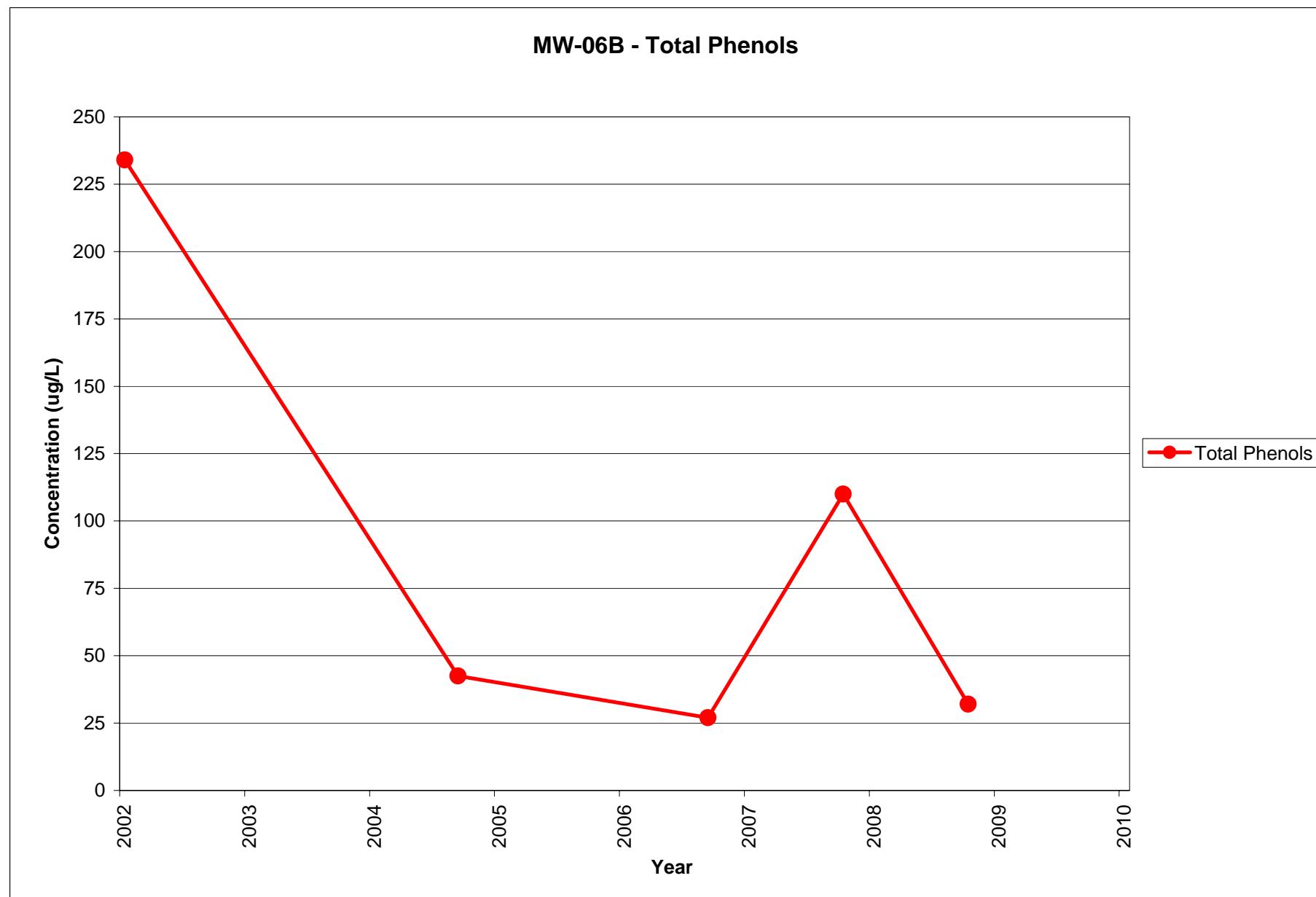
### MW-06B - Total Benzene, Toluene, Ethylbenzene, & Xylenes



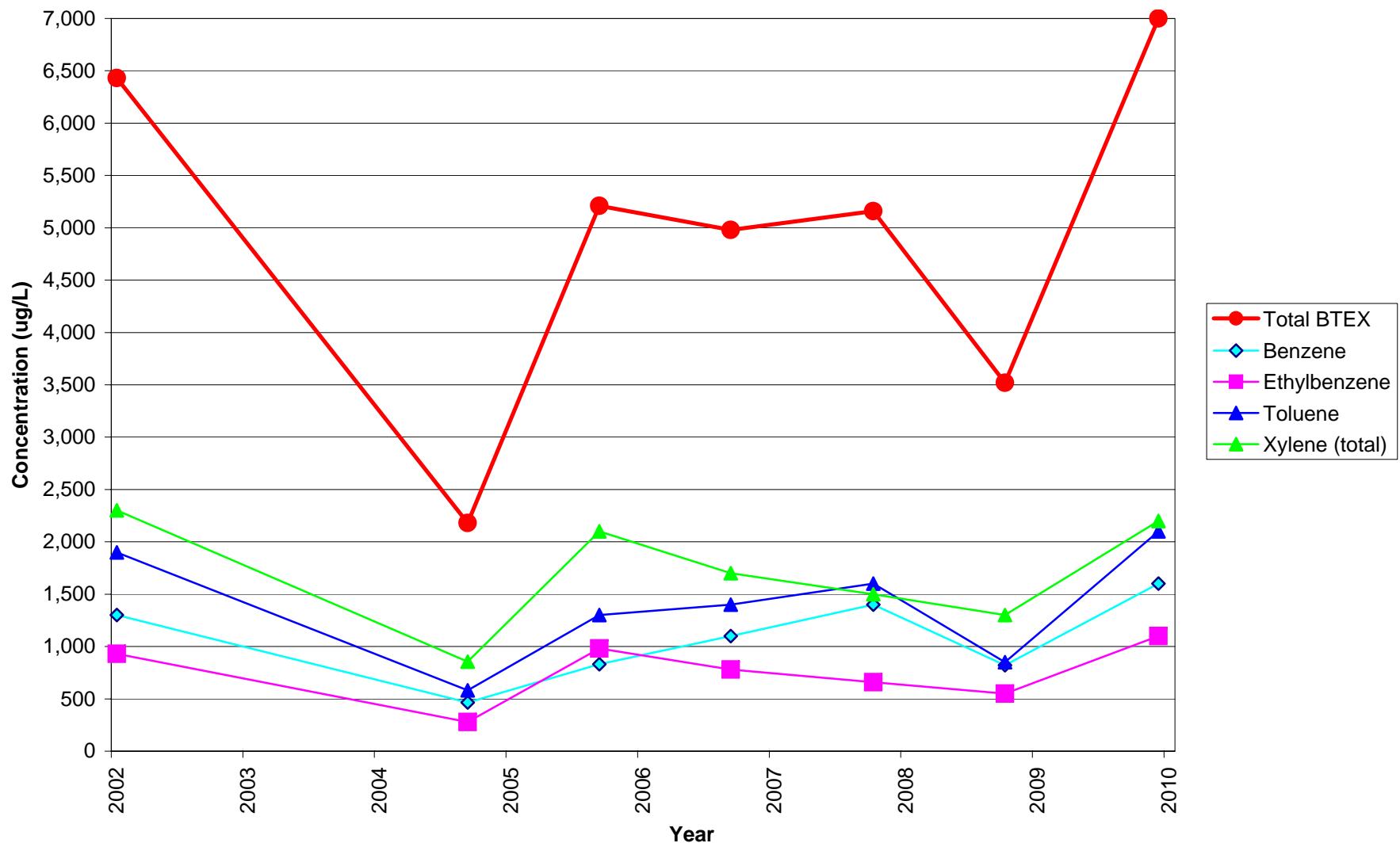


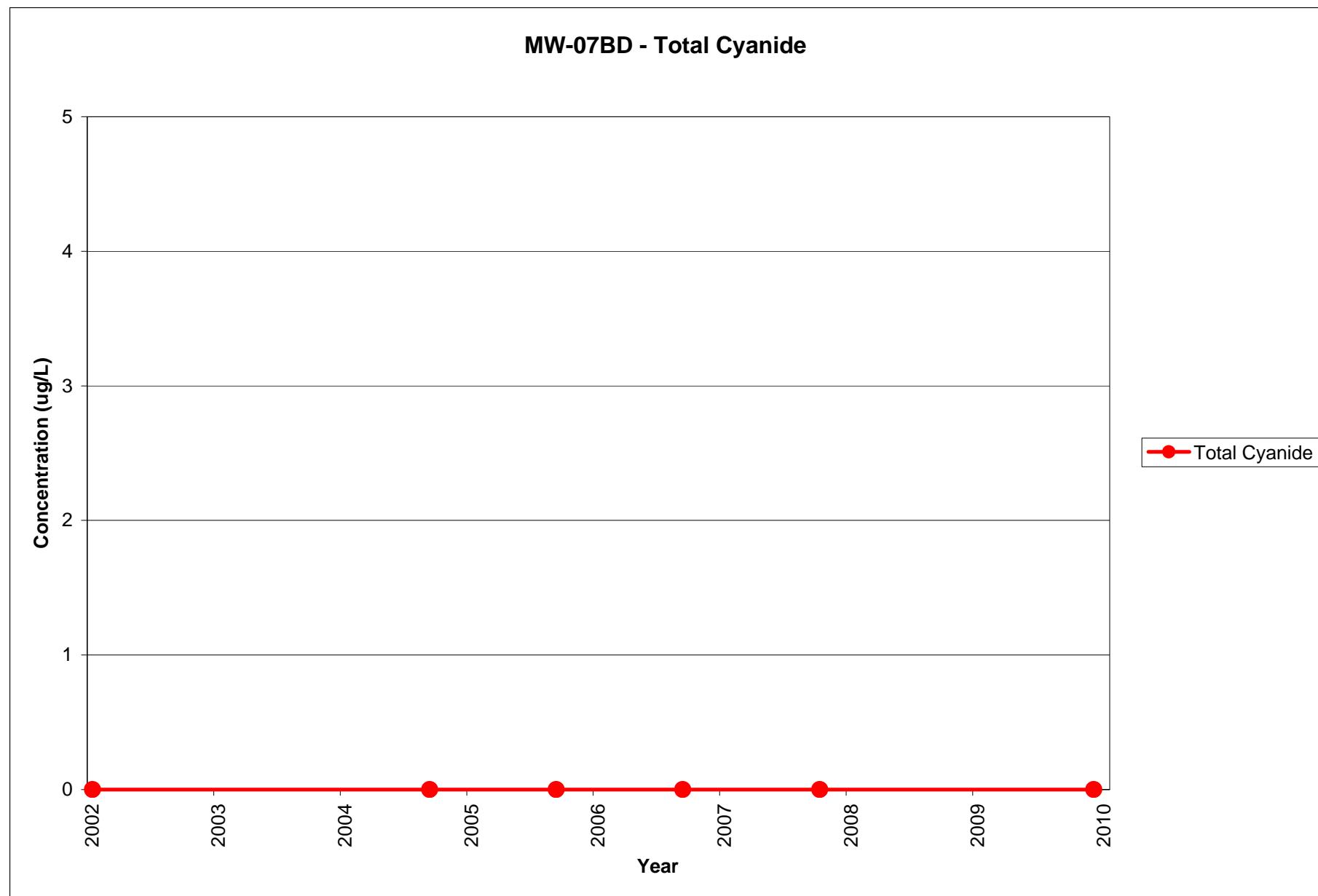
### MW-06B - Polycyclic Aromatic Hydrocarbons



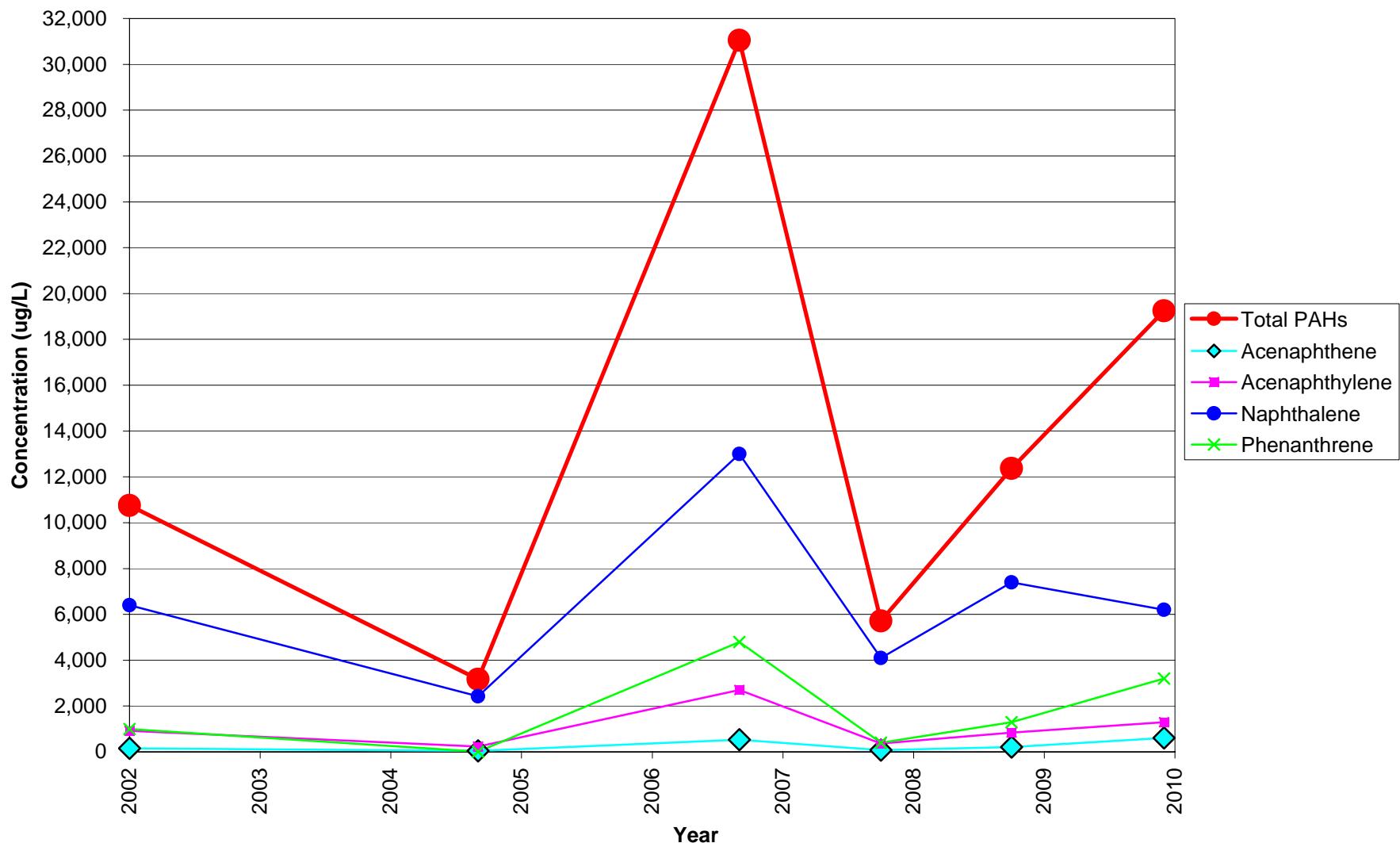


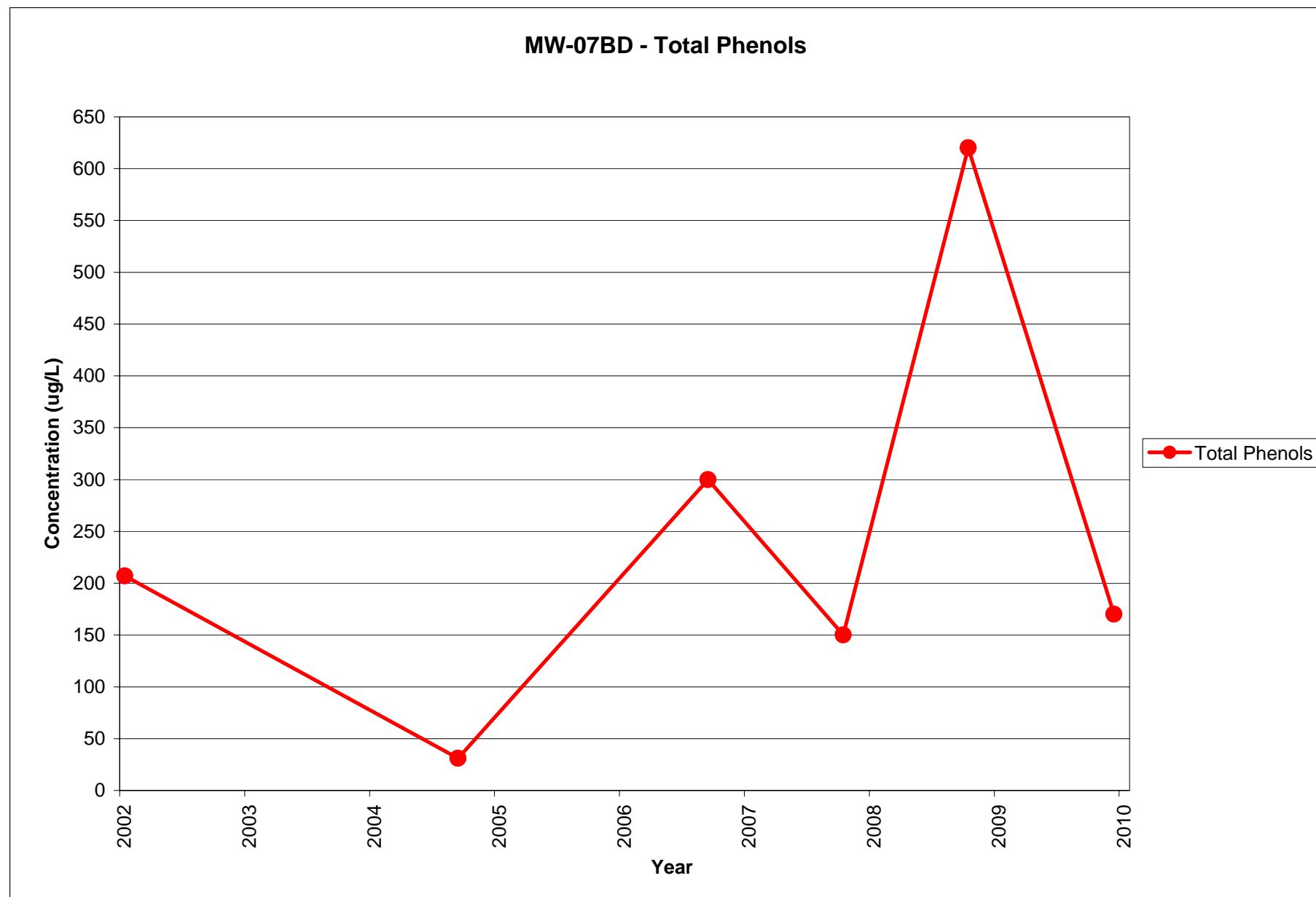
### MW-07BD - Total Benzene, Toluene, Ethylbenzene, & Xylenes



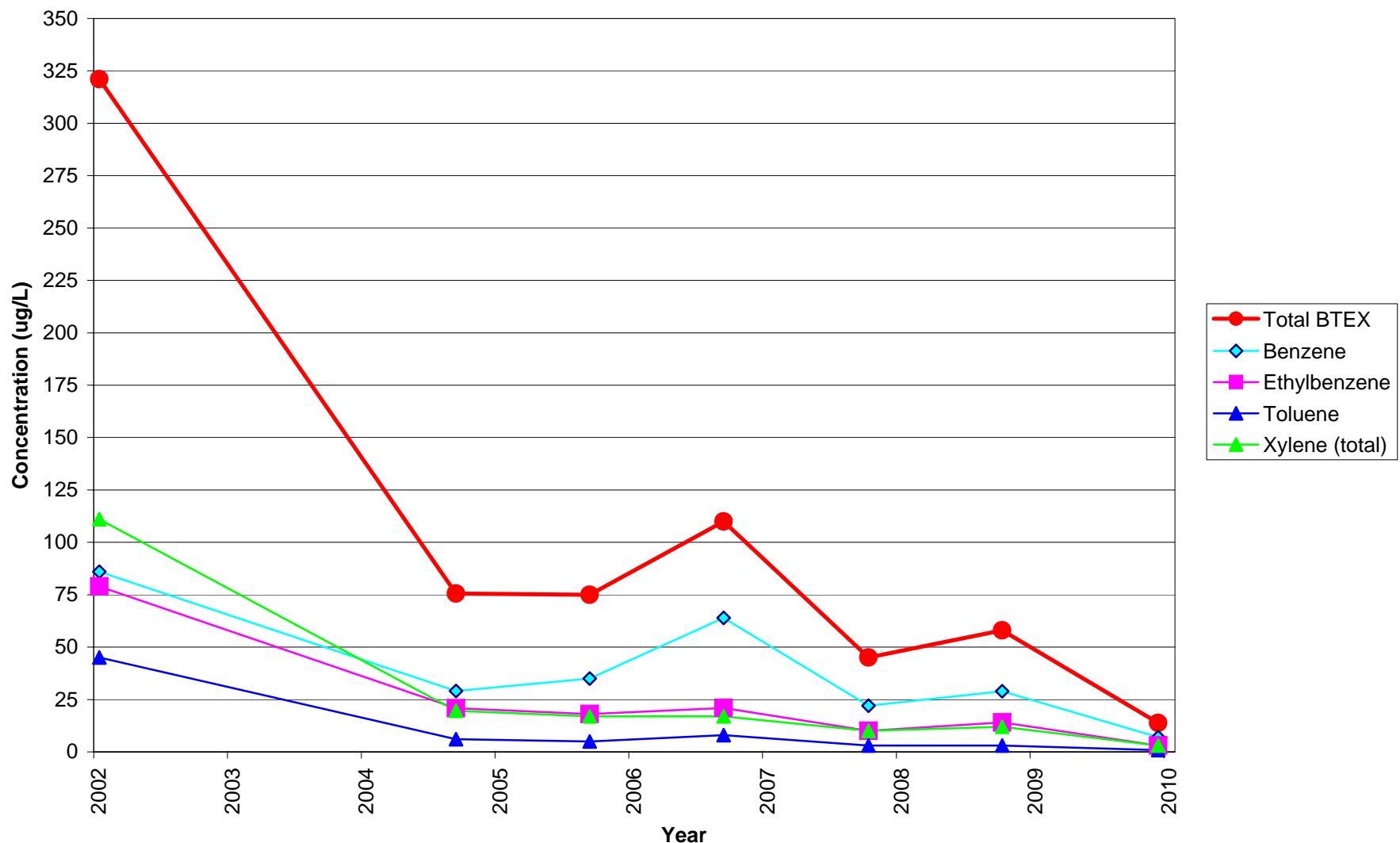


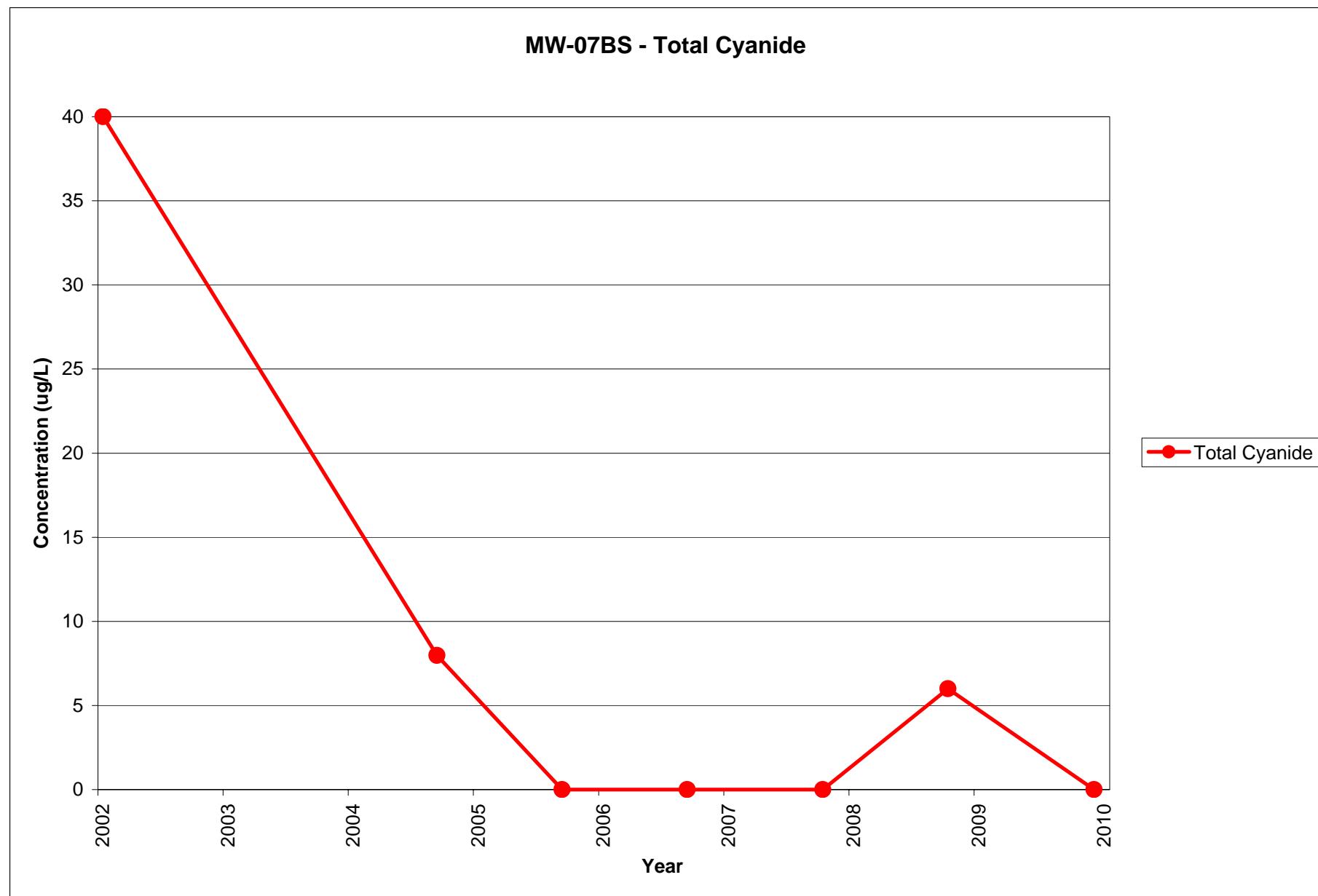
### MW-07BD - Polycyclic Aromatic Hydrocarbons



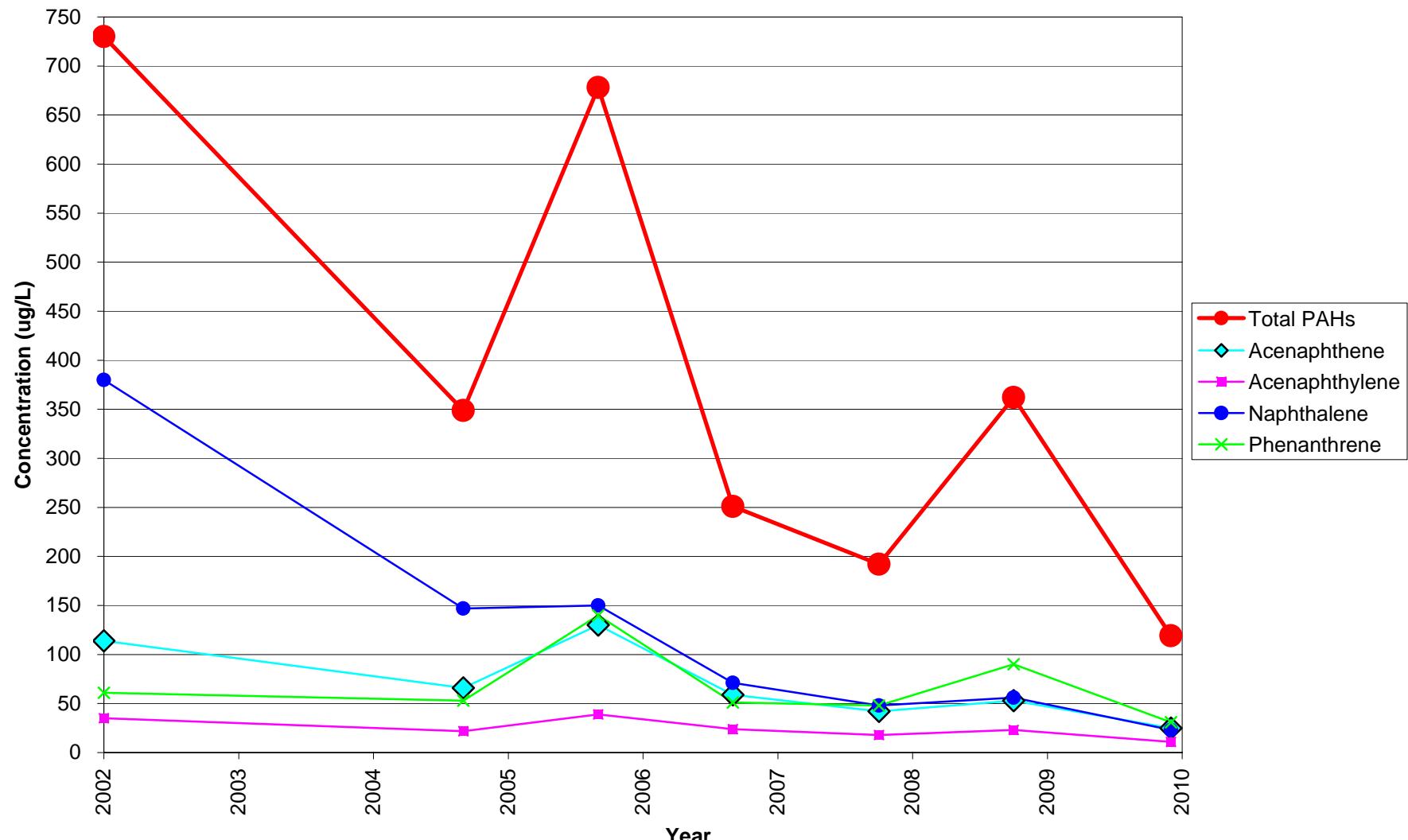


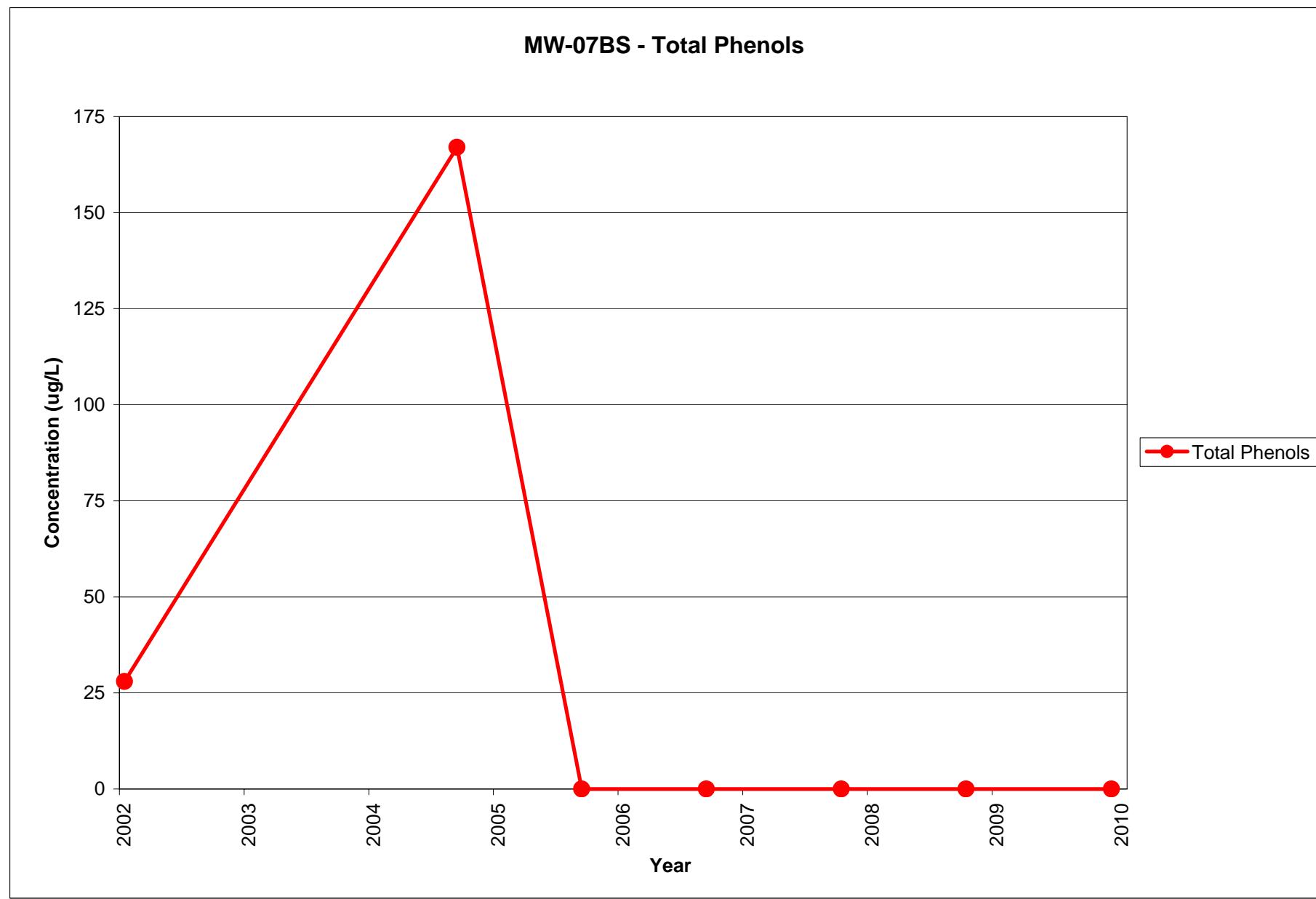
### MW-07BS - Total Benzene, Toluene, Ethylbenzene, & Xylenes



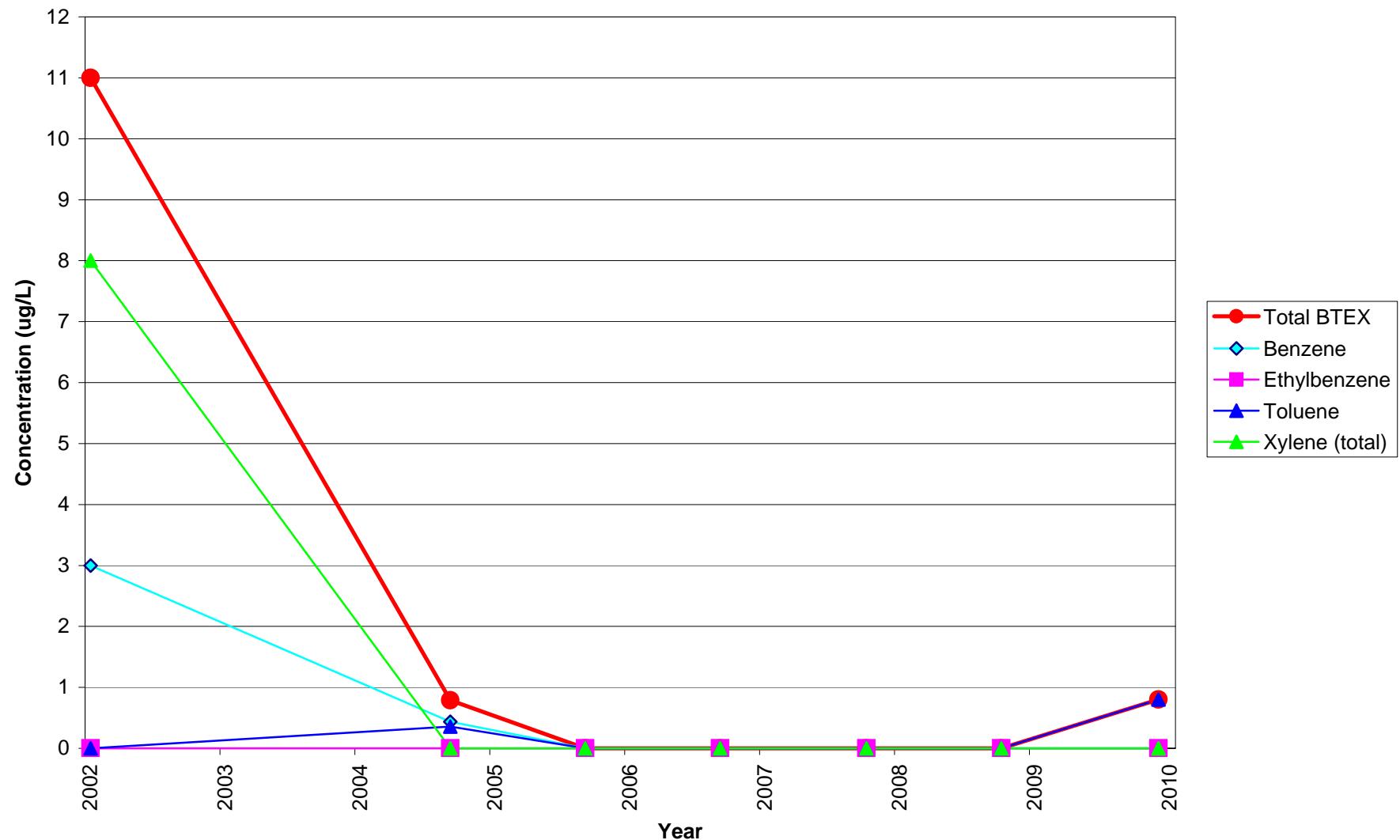


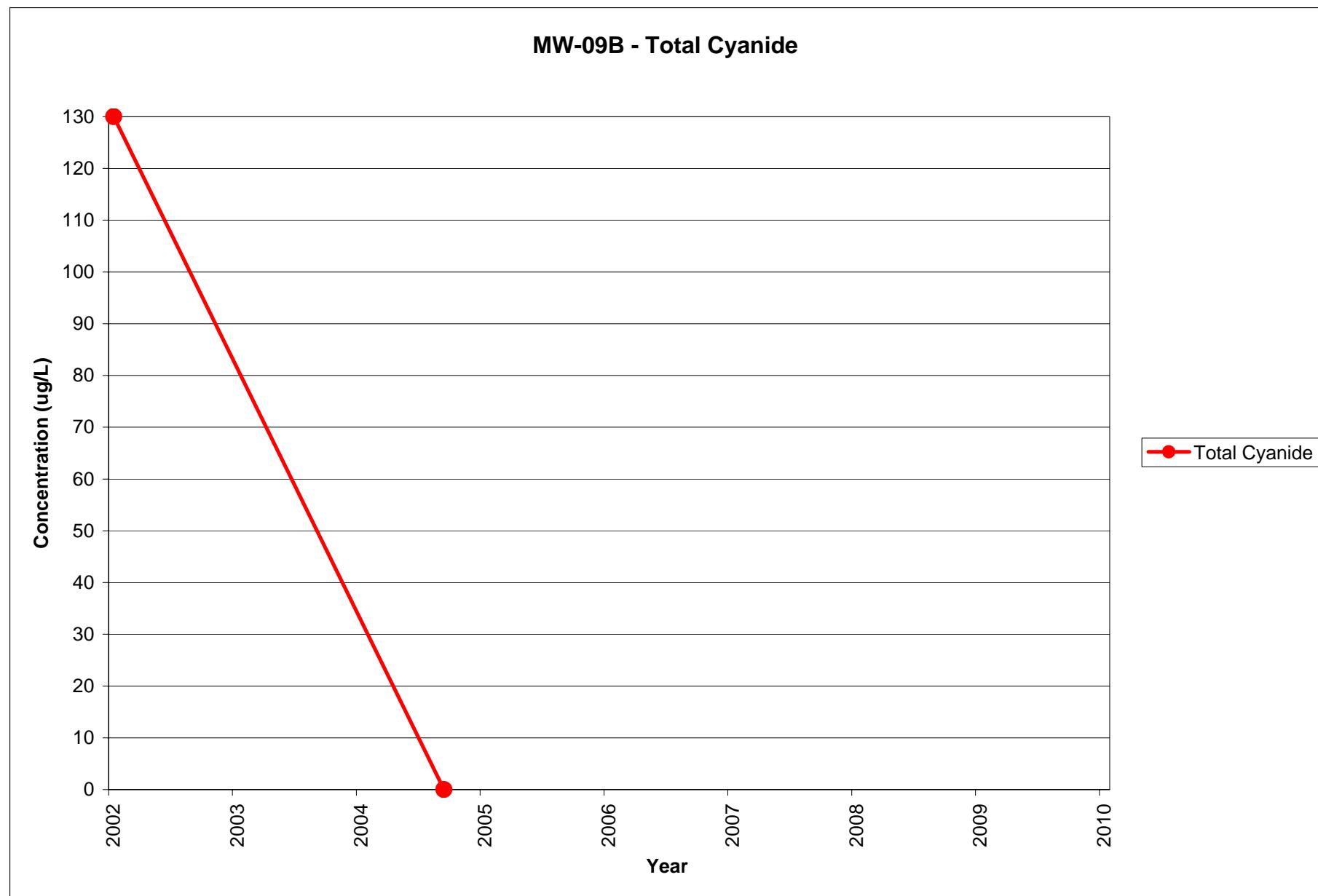
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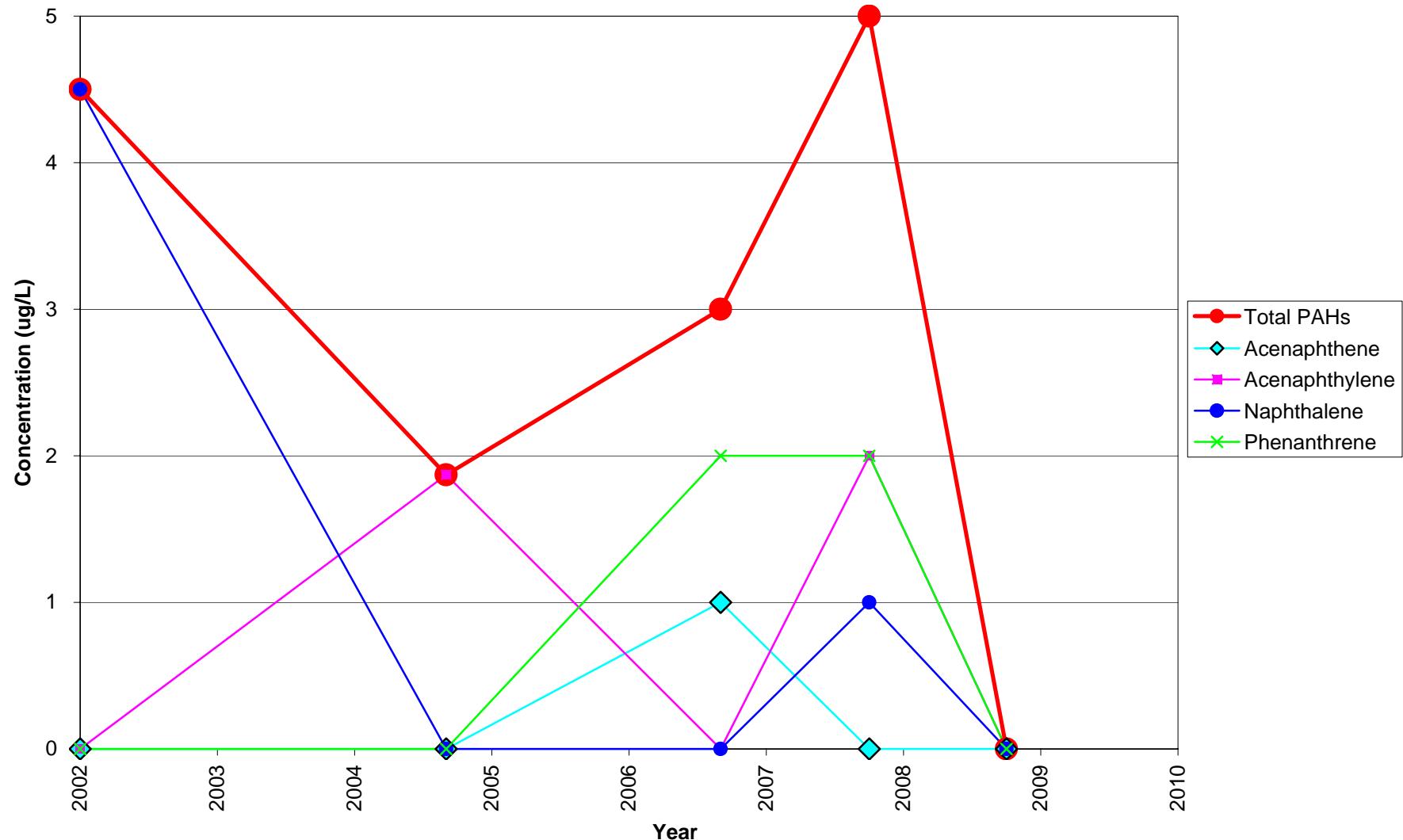


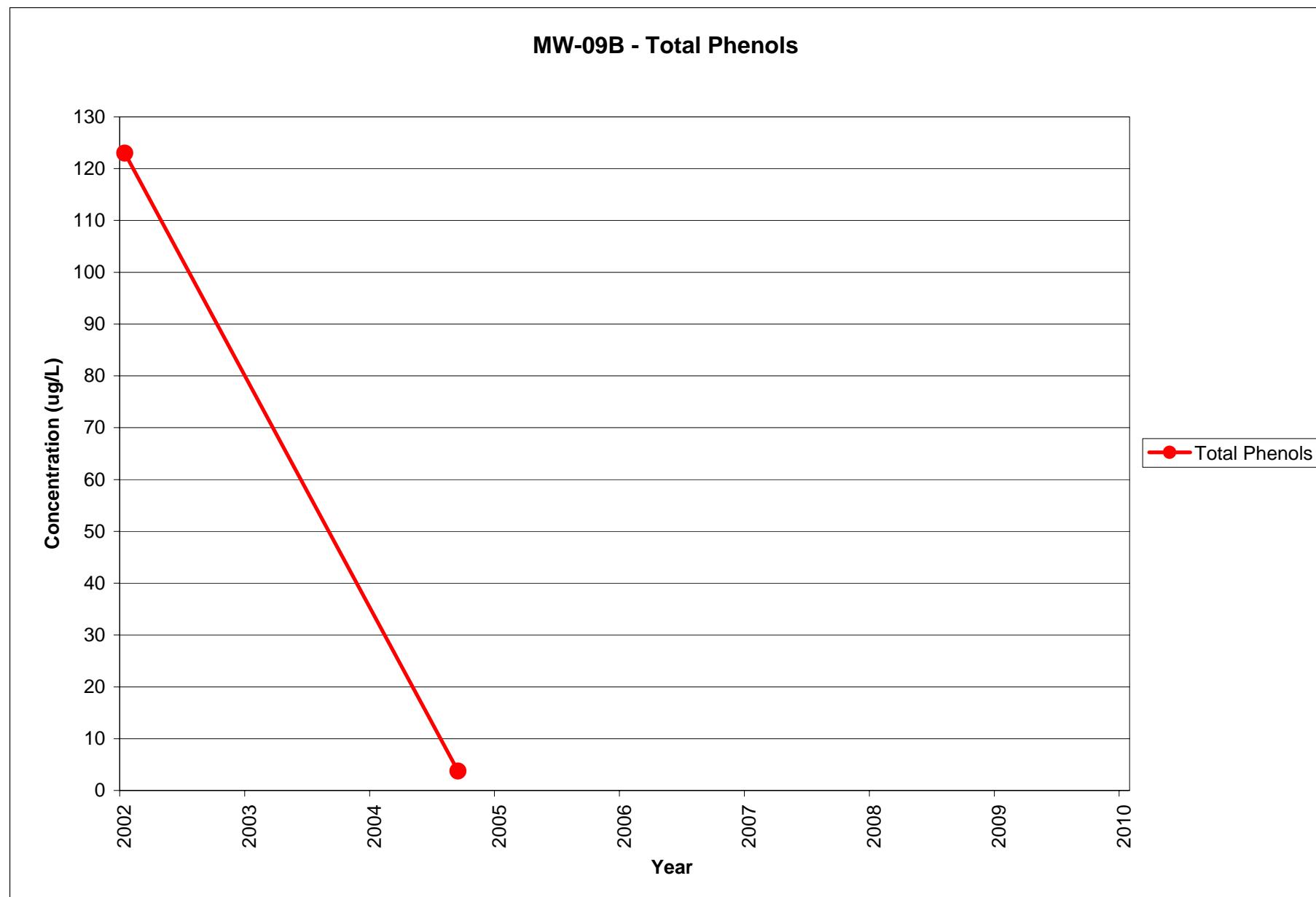
### MW-09B - Total Benzene, Toluene, Ethylbenzene, & Xylenes



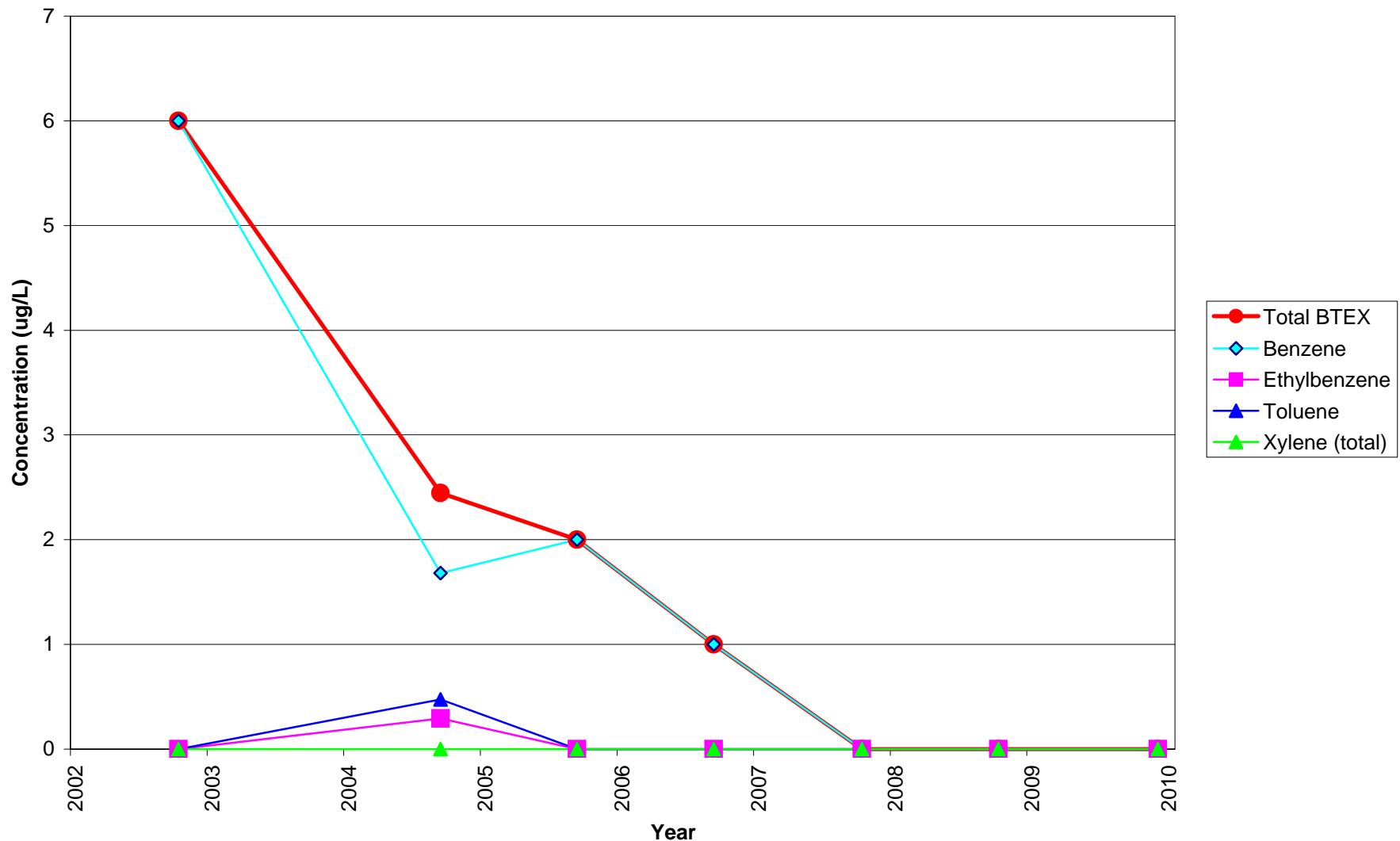


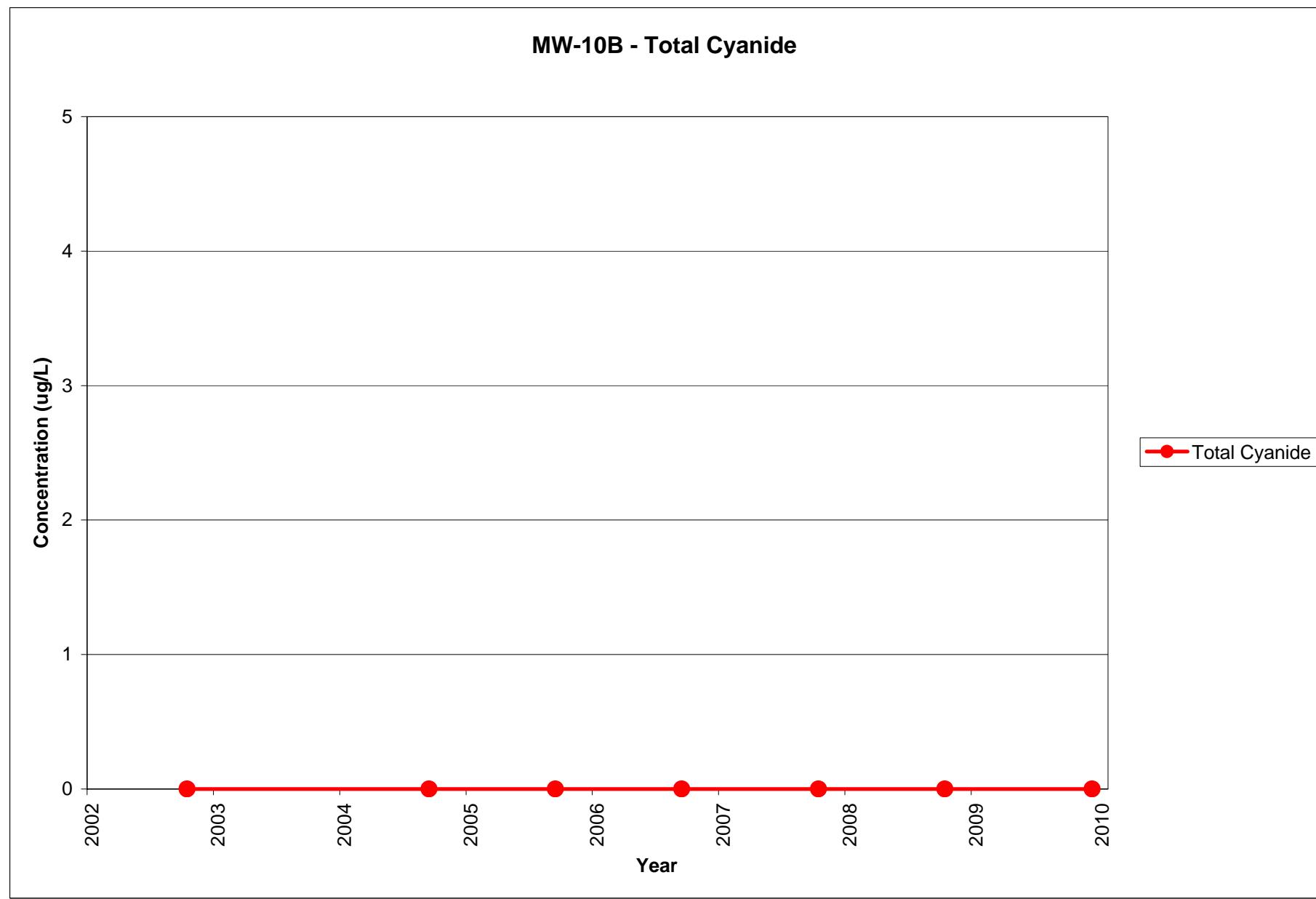
### MW-09B - Polycyclic Aromatic Hydrocarbons



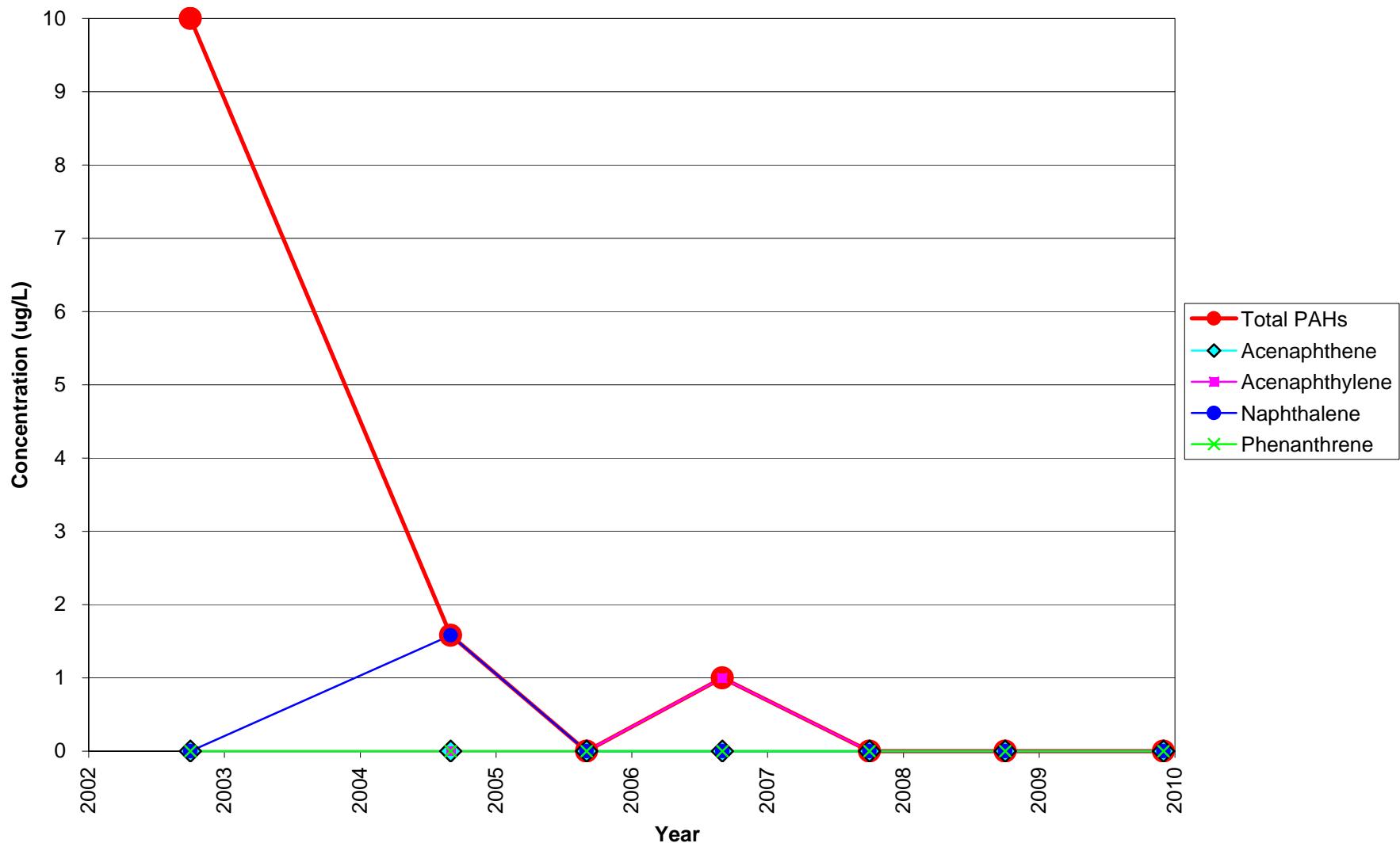


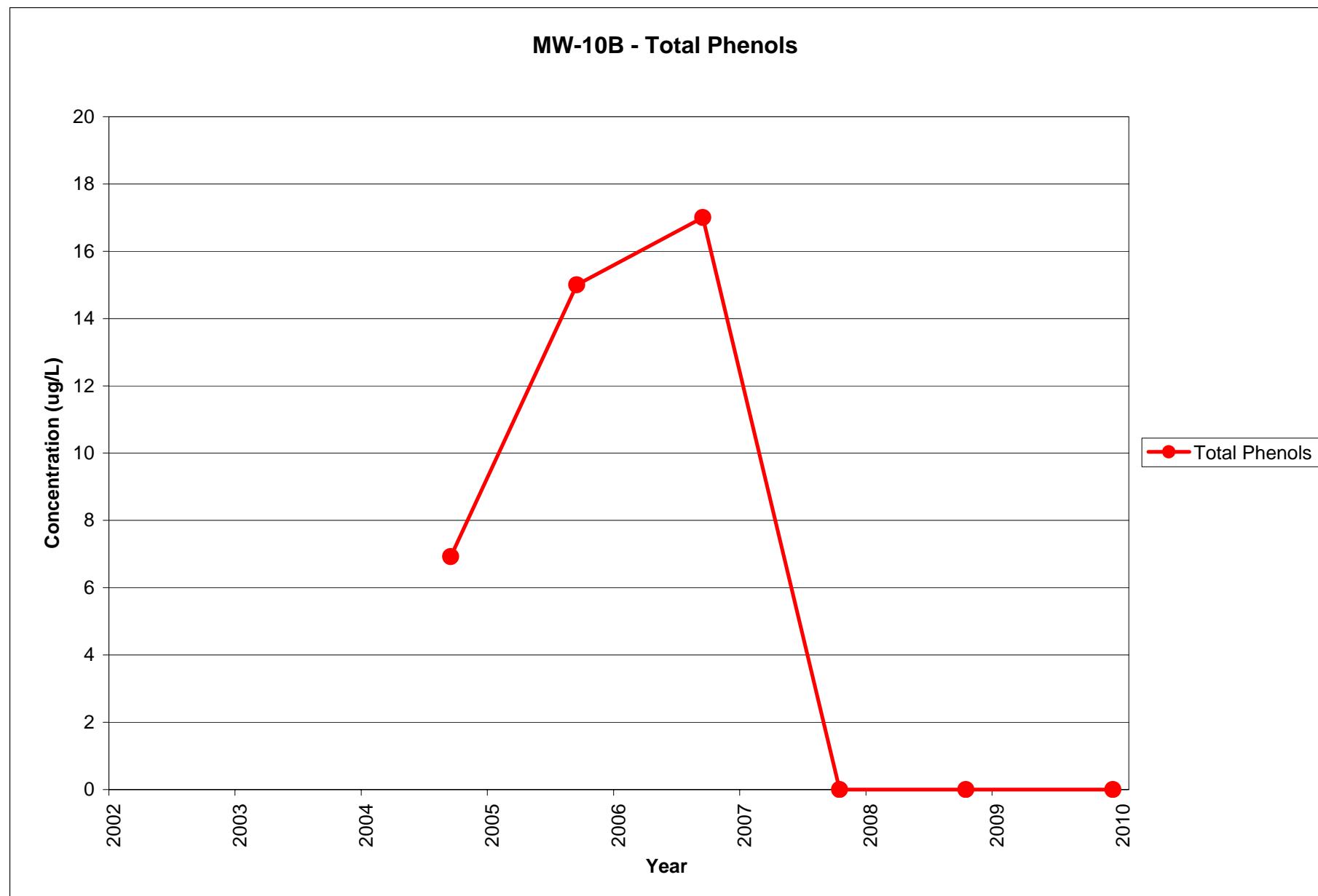
### MW-10B - Total Benzene, Toluene, Ethylbenzene, & Xylenes



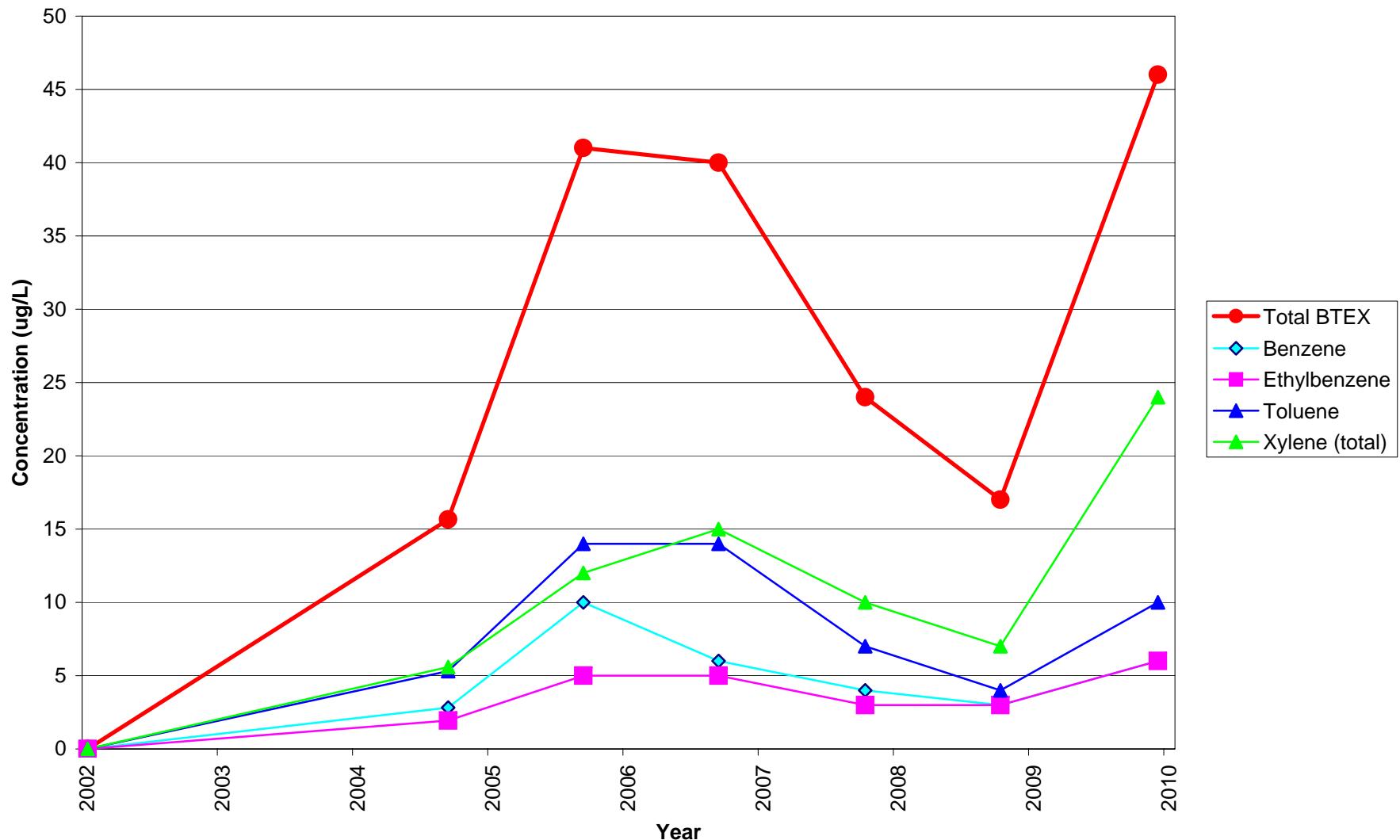


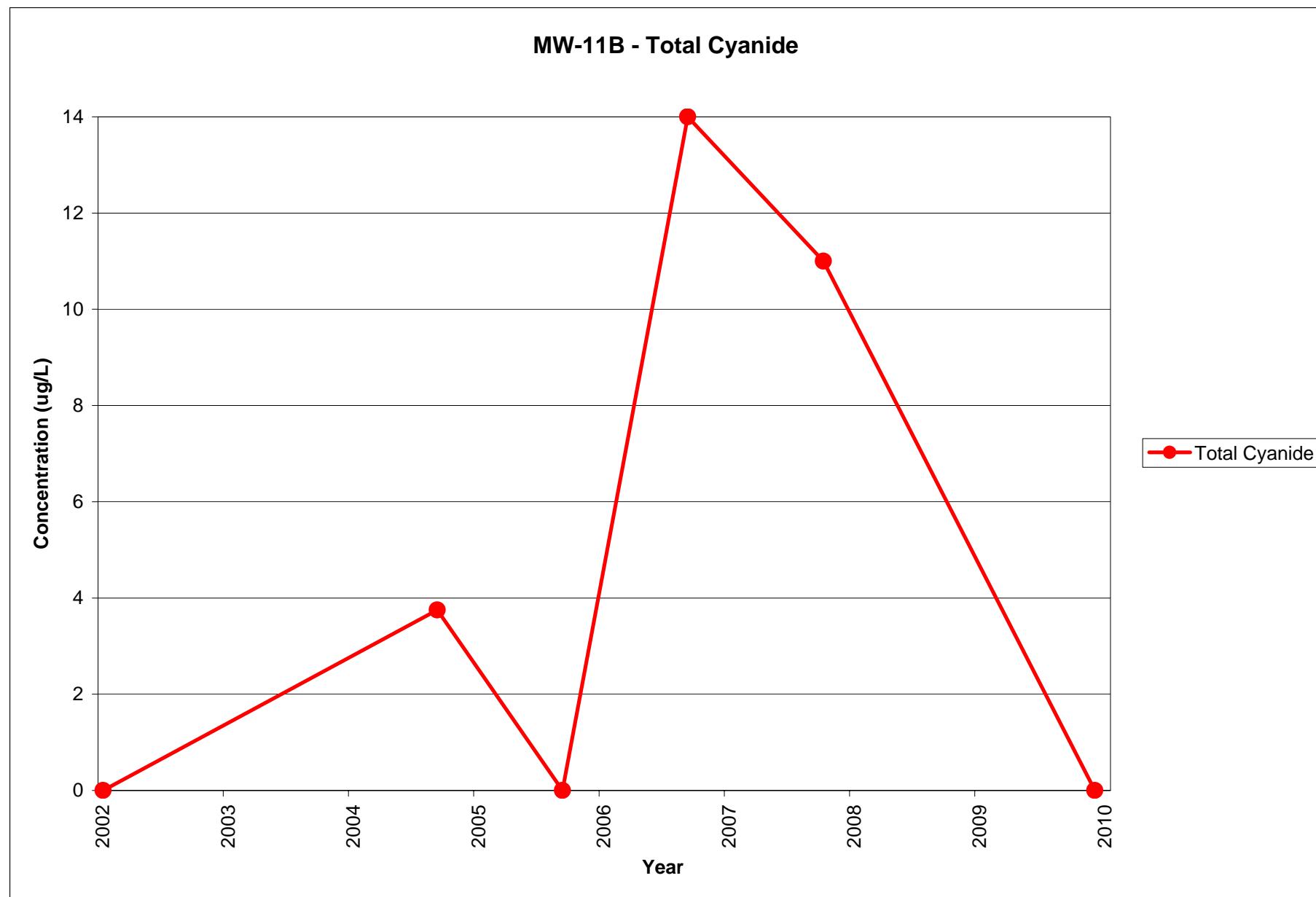
### MW-10B - Polycyclic Aromatic Hydrocarbons



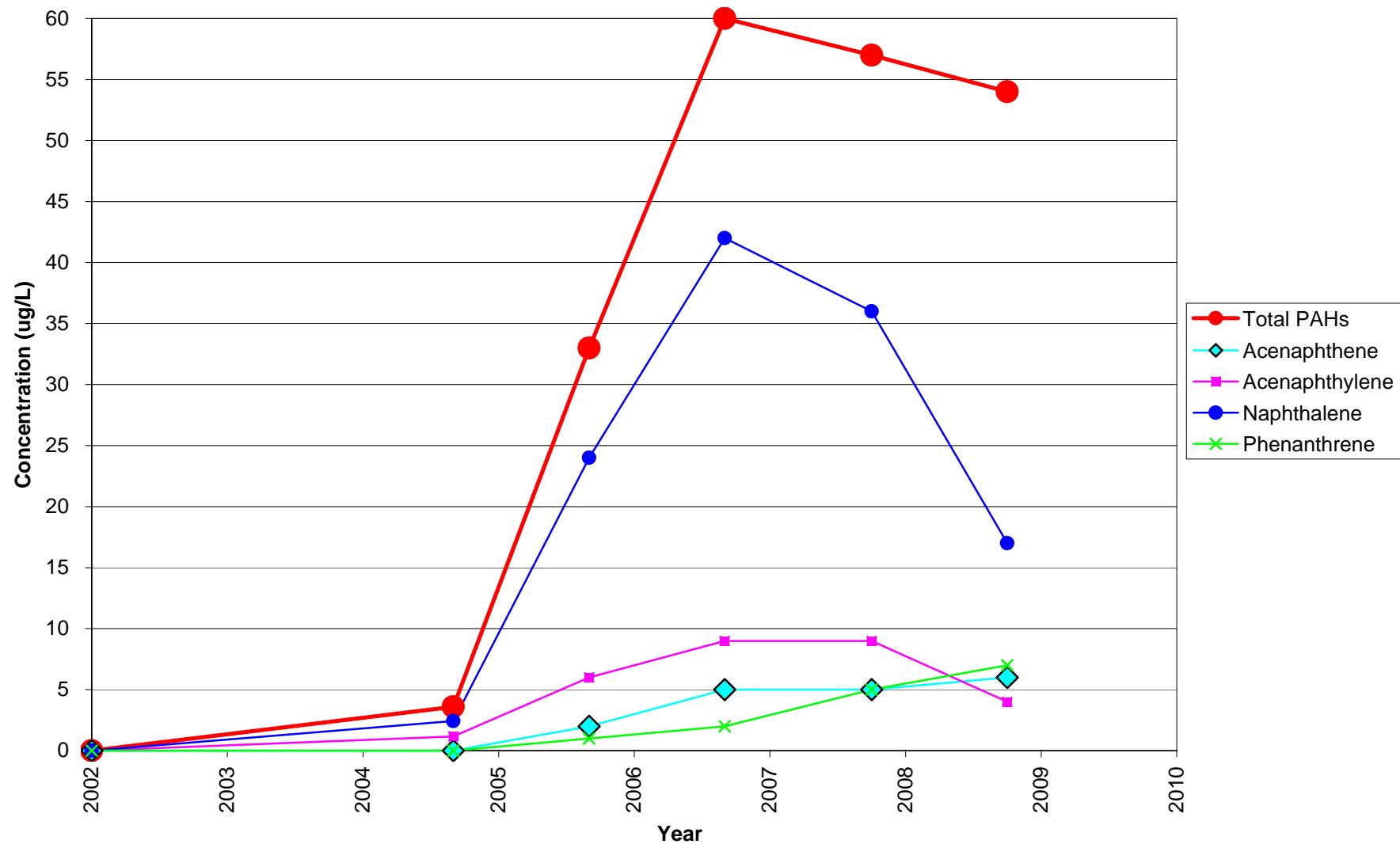


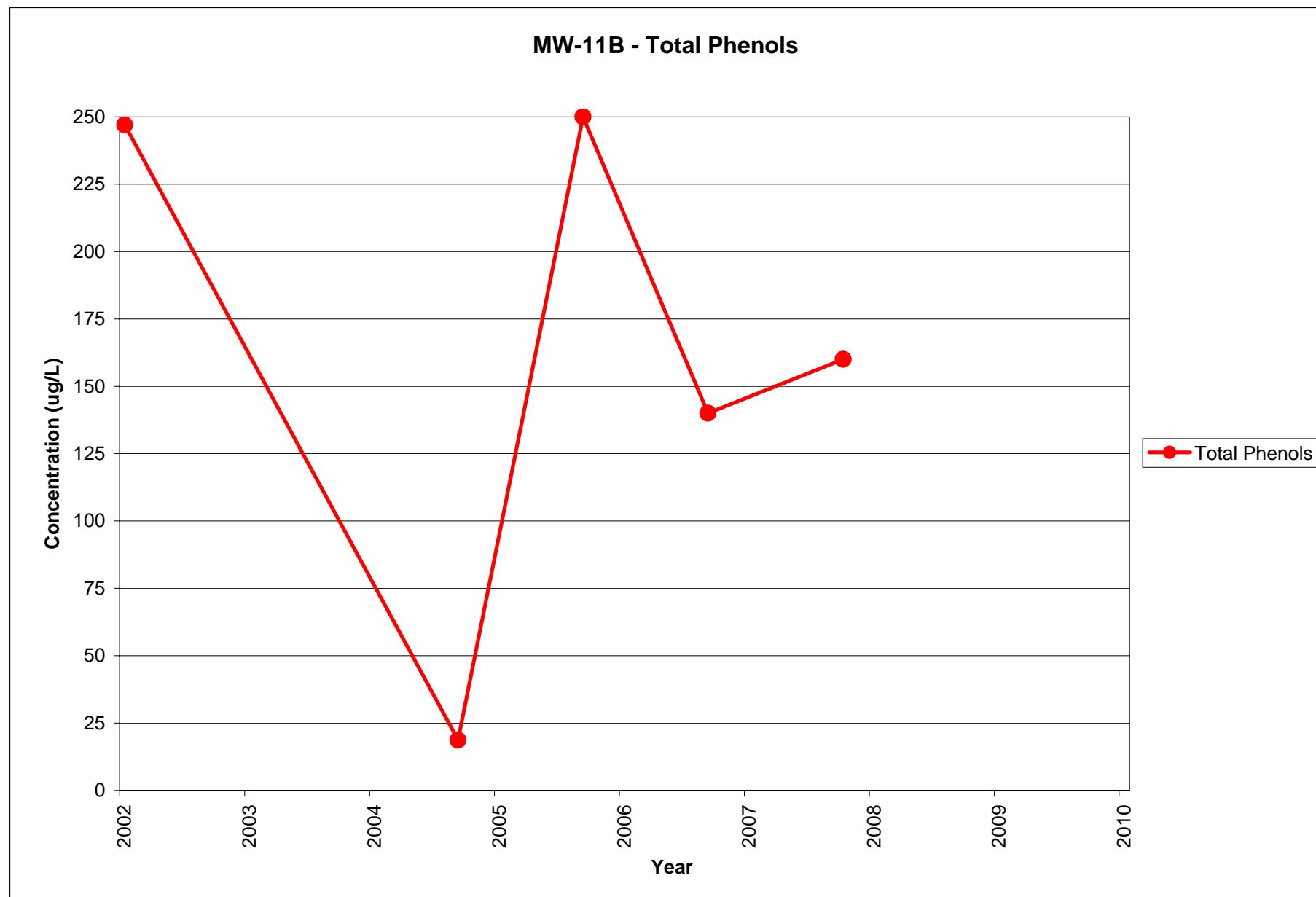
### MW-11B - Total Benzene, Toluene, Ethylbenzene, & Xylenes





### MW-11B - Polycyclic Aromatic Hydrocarbons





**MANN-KENDALL TREND RESULTS  
GROUNDWATER MONITORING 2002-2009  
NYSEG FORMER MGP SITE, BRIDGE STREET, PLATTSBURGH, NEW YORK**

**LOCID: MW-01B**

| Parameter                    | Matrix | Class | Num of Data Points | Num of Data Point Detections | Mann-Kendall Statistic S | Probabilities (1)   | Trend (2) |
|------------------------------|--------|-------|--------------------|------------------------------|--------------------------|---------------------|-----------|
| Benzene                      | WG     | VOA   | 7                  | 5                            | -10                      | 0.119               | No Trend  |
| Naphthalene                  | WG     | SVOA  | 4                  | 1                            | 1                        | 0.625               | No Trend  |
| Aluminum                     | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |           |
| Barium                       | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |           |
| Chromium                     | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |           |
| Iron                         | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |           |
| Phenolics, Total Recoverable | WG     | MI    | 4                  | 1                            | -1                       | 0.625               | No Trend  |

**LOCID: MW-02B**

| Parameter                  | Matrix | Class | Num of Data Points | Num of Data Point Detections | Mann-Kendall Statistic S | Probabilities (1)   | Trend (2) |
|----------------------------|--------|-------|--------------------|------------------------------|--------------------------|---------------------|-----------|
| Benzene                    | WG     | VOA   | 7                  | 7                            | 7                        | 0.191               | No Trend  |
| Ethylbenzene               | WG     | VOA   | 7                  | 7                            | 7                        | 0.191               | No Trend  |
| Toluene                    | WG     | VOA   | 7                  | 7                            | 8                        | 0.191               | No Trend  |
| Xylene (total)             | WG     | VOA   | 7                  | 7                            | 4                        | 0.386               | No Trend  |
| 2-Methylnaphthalene        | WG     | SVOA  | 2                  | 2                            |                          | Insufficient Data * |           |
| Acenaphthene               | WG     | SVOA  | 6                  | 6                            | 3                        | 0.36                | No Trend  |
| Acenaphthylene             | WG     | SVOA  | 6                  | 6                            | 3                        | 0.36                | No Trend  |
| Anthracene                 | WG     | SVOA  | 6                  | 5                            | 1                        | 0.5                 | No Trend  |
| Benzo(a)anthracene         | WG     | SVOA  | 6                  | 5                            | 1                        | 0.5                 | No Trend  |
| Benzo(a)pyrene             | WG     | SVOA  | 6                  | 5                            | 1                        | 0.5                 | No Trend  |
| Benzo(b)fluoranthene       | WG     | SVOA  | 6                  | 5                            | 3                        | 0.36                | No Trend  |
| Benzo(g,h,i)perylene       | WG     | SVOA  | 6                  | 5                            | 3                        | 0.36                | No Trend  |
| Benzo(k)fluoranthene       | WG     | SVOA  | 6                  | 5                            | 1                        | 0.5                 | No Trend  |
| bis(2-Chloroethoxy)methane | WG     | SVOA  | 3                  | 2                            |                          | Insufficient Data * |           |
| Chrysene                   | WG     | SVOA  | 3                  | 3                            |                          | Insufficient Data * |           |
| Dibenz(a,h)anthracene      | WG     | SVOA  | 6                  | 5                            | 1                        | 0.5                 | No Trend  |
| Fluoranthene               | WG     | SVOA  | 6                  | 5                            | 1                        | 0.5                 | No Trend  |
| Fluorene                   | WG     | SVOA  | 6                  | 6                            | 1                        | 0.5                 | No Trend  |
| Indeno(1,2,3-cd)pyrene     | WG     | SVOA  | 6                  | 5                            | 3                        | 0.36                | No Trend  |
| Naphthalene                | WG     | SVOA  | 6                  | 6                            | 7                        | 0.136               | No Trend  |
| Phenanthrene               | WG     | SVOA  | 6                  | 6                            | 3                        | 0.36                | No Trend  |
| Pyrene                     | WG     | SVOA  | 6                  | 5                            | 1                        | 0.5                 | No Trend  |
| Aluminum                   | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |           |

For multiple observations per time period, the Mann-Kendall test to the median was used.

Data reported as less than the detection limit were used by assigning a common value to the data that was smaller than the smallest measurement in the data set.

(1) - Probabilities for Mann-Kendall Nonparametric Test for Trend (Gilbert R.O. 1987, Table A18).

(2) - Assuming a probability of error of 10% in the analysis method and or data, then the probability of no trend as calculated by the Mann-Kendall statistic is less than 10%, then it is assumed that there is a trend.

\* - Number of obsevations too small to calculate probabilities.

\*\* - Probability Undefined for S=0 and N=6, 7, 10, 11, 14, 15, 18, 19, 22, 23, 26, 27, 30, 31, 34, or 35.

Only Detected Results Reported.

Advanced Selection: Hist GW  
I:\11175784\DB\IDB Files From Clifton ParkStat.mde  
2/25/2010  
WHERE [MATRIX] = 'WG' AND ([SACODE] = 'N' OR [SACODE] = 'FD') AND [LOCID] LIKE 'MW%' AND [UNITS] = 'UG/L';

**MANN-KENDALL TREND RESULTS  
GROUNDWATER MONITORING 2002-2009  
NYSEG FORMER MGP SITE, BRIDGE STREET, PLATTSBURGH, NEW YORK**

**LOCID: MW-02B**

| Parameter                    | Matrix | Class | Num of Data Points | Num of Data Point Detections | Mann-Kendall Statistic S | Probabilities (1)   | Trend (2) |
|------------------------------|--------|-------|--------------------|------------------------------|--------------------------|---------------------|-----------|
| Barium                       | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |           |
| Chromium                     | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |           |
| Copper                       | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |           |
| Iron                         | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |           |
| Lead                         | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |           |
| Manganese                    | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |           |
| Zinc                         | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |           |
| Phenolics, Total Recoverable | WG     | MI    | 6                  | 4                            | -4                       | 0.36                | No Trend  |

**LOCID: MW-03B**

| Parameter                    | Matrix | Class | Num of Data Points | Num of Data Point Detections | Mann-Kendall Statistic S | Probabilities (1)   | Trend (2)    |
|------------------------------|--------|-------|--------------------|------------------------------|--------------------------|---------------------|--------------|
| Benzene                      | WG     | VOA   | 7                  | 7                            | 15                       | 0.015               | Upward Trend |
| Ethylbenzene                 | WG     | VOA   | 7                  | 5                            | 14                       | 0.035               | Upward Trend |
| Toluene                      | WG     | VOA   | 7                  | 7                            | 19                       | 0.0014              | Upward Trend |
| Xylene (total)               | WG     | VOA   | 7                  | 5                            | 19                       | 0.0014              | Upward Trend |
| Acenaphthene                 | WG     | SVOA  | 7                  | 5                            | 15                       | 0.015               | Upward Trend |
| Acenaphthylene               | WG     | SVOA  | 7                  | 5                            | 16                       | 0.015               | Upward Trend |
| Fluorene                     | WG     | SVOA  | 7                  | 5                            | 11                       | 0.068               | Upward Trend |
| Naphthalene                  | WG     | SVOA  | 7                  | 5                            | 16                       | 0.015               | Upward Trend |
| Phenanthrene                 | WG     | SVOA  | 7                  | 4                            | 6                        | 0.281               | No Trend     |
| Aluminum                     | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |              |
| Barium                       | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |              |
| Iron                         | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |              |
| Manganese                    | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |              |
| Cyanide                      | WG     | MI    | 7                  | 1                            | -6                       | 0.281               | No Trend     |
| Phenolics, Total Recoverable | WG     | MI    | 7                  | 6                            | -2                       | 0.5                 | No Trend     |

**LOCID: MW-06B**

| Parameter    | Matrix | Class | Num of Data Points | Num of Data Point Detections | Mann-Kendall Statistic S | Probabilities (1) | Trend (2)    |
|--------------|--------|-------|--------------------|------------------------------|--------------------------|-------------------|--------------|
| Benzene      | WG     | VOA   | 7                  | 7                            | 16                       | 0.015             | Upward Trend |
| Ethylbenzene | WG     | VOA   | 7                  | 6                            | 12                       | 0.068             | Upward Trend |

For multiple observations per time period, the Mann-Kendall test to the median was used.

Data reported as less than the detection limit were used by assigning a common value to the data that was smaller than the smallest measurement in the data set.

(1) - Probabilities for Mann-Kendall Nonparametric Test for Trend (Gilbert R.O. 1987, Table A18).

(2) - Assuming a probability of error of 10% in the analysis method and or data, then the probability of no trend as calculated by the Mann-Kendall statistic is less than 10%, then it is assumed that there is a trend.

\* - Number of obsevations too small to calculate probabilities.

\*\* - Probability Undefined for S=0 and N=6, 7, 10, 11, 14, 15, 18, 19, 22, 23, 26, 27, 30, 31, 34, or 35.

Only Detected Results Reported.

Advanced Selection: Hist GW  
I:\11175784\DB\IDB Files From Clifton Park\Stat.mde  
2/25/2010  
WHERE [MATRIX] = 'WG' AND ([SACODE] = 'N' OR [SACODE] = 'FD') AND [LOCID] LIKE 'MW%' AND [UNITS] = 'UG/L';

**MANN-KENDALL TREND RESULTS  
GROUNDWATER MONITORING 2002-2009  
NYSEG FORMER MGP SITE, BRIDGE STREET, PLATTSBURGH, NEW YORK**

**LOCID: MW-06B**

| Parameter                    | Matrix | Class | Num of Data Points | Num of Data Point Detections | Mann-Kendall Statistic S | Probabilities (1)   | Trend (2)    |
|------------------------------|--------|-------|--------------------|------------------------------|--------------------------|---------------------|--------------|
| Toluene                      | WG     | VOA   | 7                  | 6                            | 19                       | 0.0014              | Upward Trend |
| Xylene (total)               | WG     | VOA   | 7                  | 6                            | 19                       | 0.0014              | Upward Trend |
| 2-Methylnaphthalene          | WG     | SVOA  | 2                  | 1                            |                          | Insufficient Data * |              |
| Acenaphthene                 | WG     | SVOA  | 5                  | 3                            | 9                        | 0.042               | Upward Trend |
| Acenaphthylene               | WG     | SVOA  | 5                  | 4                            | 8                        | 0.042               | Upward Trend |
| Anthracene                   | WG     | SVOA  | 5                  | 3                            | 7                        | 0.117               | No Trend     |
| Benzo(a)anthracene           | WG     | SVOA  | 5                  | 3                            | 5                        | 0.242               | No Trend     |
| Benzo(a)pyrene               | WG     | SVOA  | 5                  | 3                            | 5                        | 0.242               | No Trend     |
| Benzo(b)fluoranthene         | WG     | SVOA  | 5                  | 3                            | 5                        | 0.242               | No Trend     |
| Benzo(g,h,i)perylene         | WG     | SVOA  | 5                  | 3                            | 5                        | 0.242               | No Trend     |
| Benzo(k)fluoranthene         | WG     | SVOA  | 5                  | 3                            | 5                        | 0.242               | No Trend     |
| Chrysene                     | WG     | SVOA  | 3                  | 3                            |                          | Insufficient Data * |              |
| Dibenz(a,h)anthracene        | WG     | SVOA  | 5                  | 3                            | 7                        | 0.117               | No Trend     |
| Fluoranthene                 | WG     | SVOA  | 5                  | 3                            | 5                        | 0.242               | No Trend     |
| Fluorene                     | WG     | SVOA  | 5                  | 3                            | 9                        | 0.042               | Upward Trend |
| Indeno(1,2,3-cd)pyrene       | WG     | SVOA  | 5                  | 3                            | 5                        | 0.242               | No Trend     |
| Naphthalene                  | WG     | SVOA  | 5                  | 4                            | 8                        | 0.042               | Upward Trend |
| Phenanthrene                 | WG     | SVOA  | 5                  | 4                            | 8                        | 0.042               | Upward Trend |
| Phenol                       | WG     | SVOA  | 1                  | 1                            |                          | Insufficient Data * |              |
| Pyrene                       | WG     | SVOA  | 5                  | 3                            | 5                        | 0.242               | No Trend     |
| Aluminum                     | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |              |
| Barium                       | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |              |
| Copper                       | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |              |
| Iron                         | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |              |
| Phenolics, Total Recoverable | WG     | MI    | 5                  | 5                            | -4                       | 0.242               | No Trend     |

**LOCID: MW-07BD**

| Parameter           | Matrix | Class | Num of Data Points | Num of Data Point Detections | Mann-Kendall Statistic S | Probabilities (1)   | Trend (2) |
|---------------------|--------|-------|--------------------|------------------------------|--------------------------|---------------------|-----------|
| Benzene             | WG     | VOA   | 7                  | 7                            | 7                        | 0.191               | No Trend  |
| Ethylbenzene        | WG     | VOA   | 7                  | 7                            | 1                        | 0.5                 | No Trend  |
| Toluene             | WG     | VOA   | 7                  | 7                            | 5                        | 0.281               | No Trend  |
| Xylene (total)      | WG     | VOA   | 7                  | 7                            | -3                       | 0.386               | No Trend  |
| 2-Methylnaphthalene | WG     | SVOA  | 2                  | 2                            |                          | Insufficient Data * |           |

For multiple observations per time period, the Mann-Kendall test to the median was used.

Data reported as less than the detection limit were used by assigning a common value to the data that was smaller than the smallest measurement in the data set.

(1) - Probabilities for Mann-Kendall Nonparametric Test for Trend (Gilbert R.O. 1987, Table A18).

(2) - Assuming a probability of error of 10% in the analysis method and or data, then the probability of no trend as calculated by the Mann-Kendall statistic is less than 10%, then it is assumed that there is a trend.

\* - Number of obsevations too small to calculate probabilities.

\*\* - Probability Undefined for S=0 and N=6, 7, 10, 11, 14, 15, 18, 19, 22, 23, 26, 27, 30, 31, 34, or 35.

Only Detected Results Reported.

Advanced Selection: Hist GW  
I:\11175784\DB\IDB Files From Clifton ParkStat.mde  
2/25/2010  
WHERE [MATRIX] = 'WG' AND ([SACODE] = 'N' OR [SACODE] = 'FD') AND [LOCID] LIKE 'MW%' AND [UNITS] = 'UG/L';

**MANN-KENDALL TREND RESULTS  
GROUNDWATER MONITORING 2002-2009  
NYSEG FORMER MGP SITE, BRIDGE STREET, PLATTSBURGH, NEW YORK**

**LOCID: MW-07BD**

| Parameter                    | Matrix | Class | Num of Data Points | Num of Data Point Detections | Mann-Kendall Statistic S | Probabilities (1)   | Trend (2)    |
|------------------------------|--------|-------|--------------------|------------------------------|--------------------------|---------------------|--------------|
| Acenaphthene                 | WG     | SVOA  | 6                  | 6                            | 7                        | 0.136               | No Trend     |
| Acenaphthylene               | WG     | SVOA  | 6                  | 6                            | 3                        | 0.36                | No Trend     |
| Anthracene                   | WG     | SVOA  | 6                  | 6                            | 3                        | 0.36                | No Trend     |
| Benzo(a)anthracene           | WG     | SVOA  | 6                  | 6                            | 5                        | 0.235               | No Trend     |
| Benzo(a)pyrene               | WG     | SVOA  | 6                  | 6                            | 7                        | 0.136               | No Trend     |
| Benzo(b)fluoranthene         | WG     | SVOA  | 6                  | 6                            | 5                        | 0.235               | No Trend     |
| Benzo(g,h,i)perylene         | WG     | SVOA  | 6                  | 5                            | 9                        | 0.068               | Upward Trend |
| Benzo(k)fluoranthene         | WG     | SVOA  | 6                  | 6                            | 3                        | 0.36                | No Trend     |
| bis(2-Chloroethoxy)methane   | WG     | SVOA  | 2                  | 2                            |                          | Insufficient Data * |              |
| bis(2-Ethylhexyl)phthalate   | WG     | SVOA  | 1                  | 1                            |                          | Insufficient Data * |              |
| Chrysene                     | WG     | SVOA  | 4                  | 4                            | 0                        | 0.625               | No Trend     |
| Dibenz(a,h)anthracene        | WG     | SVOA  | 6                  | 5                            | 7                        | 0.136               | No Trend     |
| Fluoranthene                 | WG     | SVOA  | 6                  | 6                            | 5                        | 0.235               | No Trend     |
| Fluorene                     | WG     | SVOA  | 6                  | 6                            | 5                        | 0.235               | No Trend     |
| Indeno(1,2,3-cd)pyrene       | WG     | SVOA  | 6                  | 5                            | 9                        | 0.068               | Upward Trend |
| Naphthalene                  | WG     | SVOA  | 6                  | 6                            | 1                        | 0.5                 | No Trend     |
| Phenanthrene                 | WG     | SVOA  | 6                  | 6                            | 5                        | 0.235               | No Trend     |
| Pyrene                       | WG     | SVOA  | 6                  | 6                            | 5                        | 0.235               | No Trend     |
| Aluminum                     | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |              |
| Barium                       | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |              |
| Copper                       | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |              |
| Iron                         | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |              |
| Manganese                    | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |              |
| Zinc                         | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |              |
| Phenolics, Total Recoverable | WG     | MI    | 6                  | 6                            | 3                        | 0.36                | No Trend     |

**LOCID: MW-07BS**

| Parameter           | Matrix | Class | Num of Data Points | Num of Data Point Detections | Mann-Kendall Statistic S | Probabilities (1)   | Trend (2)      |
|---------------------|--------|-------|--------------------|------------------------------|--------------------------|---------------------|----------------|
| Benzene             | WG     | VOA   | 7                  | 7                            | -12                      | 0.068               | Downward Trend |
| Ethylbenzene        | WG     | VOA   | 7                  | 7                            | -16                      | 0.015               | Downward Trend |
| Toluene             | WG     | VOA   | 7                  | 7                            | -16                      | 0.015               | Downward Trend |
| Xylene (total)      | WG     | VOA   | 7                  | 7                            | -18                      | 0.0054              | Downward Trend |
| 2-Methylnaphthalene | WG     | SVOA  | 2                  | 2                            |                          | Insufficient Data * |                |

For multiple observations per time period, the Mann-Kendall test to the median was used.

Data reported as less than the detection limit were used by assigning a common value to the data that was smaller than the smallest measurement in the data set.

(1) - Probabilities for Mann-Kendall Nonparametric Test for Trend (Gilbert R.O. 1987, Table A18).

(2) - Assuming a probability of error of 10% in the analysis method and or data, then the probability of no trend as calculated by the Mann-Kendall statistic is less than 10%, then it is assumed that there is a trend.

\* - Number of obsevations too small to calculate probabilities.

\*\* - Probability Undefined for S=0 and N=6, 7, 10, 11, 14, 15, 18, 19, 22, 23, 26, 27, 30, 31, 34, or 35.

Only Detected Results Reported.

Advanced Selection: Hist GW  
I:\11175784\DB\IDB Files From Clifton Park\Stat.mde  
2/25/2010  
WHERE [MATRIX] = 'WG' AND ([SACODE] = 'N' OR [SACODE] = 'FD') AND [LOCID] LIKE 'MW\*' AND [UNITS] = 'UG/L';

**MANN-KENDALL TREND RESULTS  
GROUNDWATER MONITORING 2002-2009  
NYSEG FORMER MGP SITE, BRIDGE STREET, PLATTSBURGH, NEW YORK**

**LOCID: MW-07BS**

| Parameter                    | Matrix | Class | Num of Data Points | Num of Data Point Detections | Mann-Kendall Statistic S | Probabilities (1)   | Trend (2)      |
|------------------------------|--------|-------|--------------------|------------------------------|--------------------------|---------------------|----------------|
| Acenaphthene                 | WG     | SVOA  | 7                  | 7                            | -15                      | 0.015               | Downward Trend |
| Acenaphthylene               | WG     | SVOA  | 7                  | 7                            | -11                      | 0.068               | Downward Trend |
| Anthracene                   | WG     | SVOA  | 7                  | 7                            | -8                       | 0.191               | No Trend       |
| Benzo(a)anthracene           | WG     | SVOA  | 7                  | 4                            | 3                        | 0.386               | No Trend       |
| Benzo(a)pyrene               | WG     | SVOA  | 7                  | 3                            | -1                       | 0.5                 | No Trend       |
| Benzo(b)fluoranthene         | WG     | SVOA  | 7                  | 2                            | 1                        | 0.5                 | No Trend       |
| Benzo(g,h,i)perylene         | WG     | SVOA  | 7                  | 2                            | 1                        | 0.5                 | No Trend       |
| Benzo(k)fluoranthene         | WG     | SVOA  | 7                  | 2                            | 1                        | 0.5                 | No Trend       |
| bis(2-Chloroethoxy)methane   | WG     | SVOA  | 3                  | 2                            |                          | Insufficient Data * |                |
| Chrysene                     | WG     | SVOA  | 4                  | 2                            | 3                        | 0.375               | No Trend       |
| Dibenzofuran                 | WG     | SVOA  | 1                  | 1                            |                          | Insufficient Data * |                |
| Fluoranthene                 | WG     | SVOA  | 7                  | 7                            | -4                       | 0.386               | No Trend       |
| Fluorene                     | WG     | SVOA  | 7                  | 7                            | -9                       | 0.119               | No Trend       |
| Indeno(1,2,3-cd)pyrene       | WG     | SVOA  | 7                  | 2                            | 3                        | 0.386               | No Trend       |
| Naphthalene                  | WG     | SVOA  | 7                  | 7                            | -17                      | 0.0054              | Downward Trend |
| Phenanthrene                 | WG     | SVOA  | 7                  | 7                            | -9                       | 0.119               | No Trend       |
| Pyrene                       | WG     | SVOA  | 7                  | 7                            | -2                       | 0.5                 | No Trend       |
| Arsenic                      | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |                |
| Barium                       | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |                |
| Iron                         | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |                |
| Manganese                    | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |                |
| Cyanide                      | WG     | MI    | 7                  | 3                            | -9                       | 0.119               | No Trend       |
| Phenolics, Total Recoverable | WG     | MI    | 7                  | 2                            | -9                       | 0.119               | No Trend       |

**LOCID: MW-07DD**

| Parameter | Matrix | Class | Num of Data Points | Num of Data Point Detections | Mann-Kendall Statistic S | Probabilities (1)   | Trend (2) |
|-----------|--------|-------|--------------------|------------------------------|--------------------------|---------------------|-----------|
| Phenol    | WG     | SVOA  | 1                  | 1                            |                          | Insufficient Data * |           |
| Aluminum  | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |           |
| Chromium  | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |           |
| Copper    | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |           |
| Iron      | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |           |
| Cyanide   | WG     | MI    | 1                  | 1                            |                          | Insufficient Data * |           |

For multiple observations per time period, the Mann-Kendall test to the median was used.

Data reported as less than the detection limit were used by assigning a common value to the data that was smaller than the smallest measurement in the data set.

(1) - Probabilities for Mann-Kendall Nonparametric Test for Trend (Gilbert R.O. 1987, Table A18).

(2) - Assuming a probability of error of 10% in the analysis method and or data, then the probability of no trend as calculated by the Mann-Kendall statistic is less than 10%, then it is assumed that there is a trend.

\* - Number of obsevations too small to calculate probabilities.

\*\* - Probability Undefined for S=0 and N=6, 7, 10, 11, 14, 15, 18, 19, 22, 23, 26, 27, 30, 31, 34, or 35.

Only Detected Results Reported.

Advanced Selection: Hist GW  
I:\11175784\DB\IDB Files From Clifton ParkStat.mde  
2/25/2010  
WHERE [MATRIX] = 'WG' AND ([SACODE] = 'N' OR [SACODE] = 'FD') AND [LOCID] LIKE 'MW%' AND [UNITS] = 'UG/L';

**MANN-KENDALL TREND RESULTS  
GROUNDWATER MONITORING 2002-2009  
NYSEG FORMER MGP SITE, BRIDGE STREET, PLATTSBURGH, NEW YORK**

**LOCID: MW-08B**

| Parameter | Matrix | Class | Num of Data Points | Num of Data Point Detections | Mann-Kendall Statistic S | Probabilities (1)   | Trend (2) |
|-----------|--------|-------|--------------------|------------------------------|--------------------------|---------------------|-----------|
| Aluminum  | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |           |
| Barium    | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |           |
| Iron      | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |           |

**LOCID: MW-08BD**

| Parameter                    | Matrix | Class | Num of Data Points | Num of Data Point Detections | Mann-Kendall Statistic S | Probabilities (1)   | Trend (2) |
|------------------------------|--------|-------|--------------------|------------------------------|--------------------------|---------------------|-----------|
| Phenolics, Total Recoverable | WG     | MI    | 1                  | 1                            |                          | Insufficient Data * |           |

**LOCID: MW-09B**

| Parameter                    | Matrix | Class | Num of Data Points | Num of Data Point Detections | Mann-Kendall Statistic S | Probabilities (1)   | Trend (2) |
|------------------------------|--------|-------|--------------------|------------------------------|--------------------------|---------------------|-----------|
| Benzene                      | WG     | VOA   | 7                  | 1                            | -6                       | 0.281               | No Trend  |
| Toluene                      | WG     | VOA   | 7                  | 1                            | 6                        | 0.281               | No Trend  |
| Xylene (total)               | WG     | VOA   | 7                  | 1                            | -6                       | 0.281               | No Trend  |
| Acenaphthene                 | WG     | SVOA  | 5                  | 1                            | 0                        | 0.592               | No Trend  |
| Acenaphthylene               | WG     | SVOA  | 5                  | 2                            | 0                        | 0.592               | No Trend  |
| Naphthalene                  | WG     | SVOA  | 5                  | 2                            | -3                       | 0.408               | No Trend  |
| Phenanthrene                 | WG     | SVOA  | 5                  | 2                            | 2                        | 0.408               | No Trend  |
| Phenol                       | WG     | SVOA  | 1                  | 1                            |                          | Insufficient Data * |           |
| Aluminum                     | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |           |
| Barium                       | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |           |
| Chromium                     | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |           |
| Copper                       | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |           |
| Iron                         | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |           |
| Manganese                    | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |           |
| Zinc                         | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |           |
| Cyanide                      | WG     | MI    | 2                  | 1                            |                          | Insufficient Data * |           |
| Free Cyanide                 | WG     | MI    | 1                  | 1                            |                          | Insufficient Data * |           |
| Phenolics, Total Recoverable | WG     | MI    | 2                  | 2                            |                          | Insufficient Data * |           |

For multiple observations per time period, the Mann-Kendall test to the median was used.

Data reported as less than the detection limit were used by assigning a common value to the data that was smaller than the smallest measurement in the data set.

(1) - Probabilities for Mann-Kendall Nonparametric Test for Trend (Gilbert R.O. 1987, Table A18).

(2) - Assuming a probability of error of 10% in the analysis method and or data, then the probability of no trend as calculated by the Mann-Kendall statistic is less than 10%, then it is assumed that there is a trend.

\* - Number of obsevations too small to calculate probabilities.

\*\* - Probability Undefined for S=0 and N=6, 7, 10, 11, 14, 15, 18, 19, 22, 23, 26, 27, 30, 31, 34, or 35.

Only Detected Results Reported.

Advanced Selection: Hist GW  
I:\11175784\DB\IDB Files From Clifton Park\Stat.mde  
2/25/2010  
WHERE [MATRIX] = 'WG' AND ([SACODE] = 'N' OR [SACODE] = 'FD') AND [LOCID] LIKE 'MW%' AND [UNITS] = 'UG/L';

**MANN-KENDALL TREND RESULTS  
GROUNDWATER MONITORING 2002-2009  
NYSEG FORMER MGP SITE, BRIDGE STREET, PLATTSBURGH, NEW YORK**

**LOCID: MW-10B**

| Parameter                    | Matrix | Class | Num of Data Points | Num of Data Point Detections | Mann-Kendall Statistic S | Probabilities (1)   | Trend (2)      |
|------------------------------|--------|-------|--------------------|------------------------------|--------------------------|---------------------|----------------|
| Benzene                      | WG     | VOA   | 7                  | 4                            | -17                      | 0.0054              | Downward Trend |
| Acenaphthylene               | WG     | SVOA  | 7                  | 1                            | 0                        | Undefined **        |                |
| Dibenzofuran                 | WG     | SVOA  | 1                  | 1                            |                          | Insufficient Data * |                |
| Naphthalene                  | WG     | SVOA  | 7                  | 1                            | -4                       | 0.386               | No Trend       |
| Aluminum                     | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |                |
| Barium                       | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |                |
| Iron                         | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |                |
| Manganese                    | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |                |
| Phenolics, Total Recoverable | WG     | MI    | 6                  | 3                            | -6                       | 0.235               | No Trend       |

**LOCID: MW-11B**

| Parameter                    | Matrix | Class | Num of Data Points | Num of Data Point Detections | Mann-Kendall Statistic S | Probabilities (1)   | Trend (2)    |
|------------------------------|--------|-------|--------------------|------------------------------|--------------------------|---------------------|--------------|
| Benzene                      | WG     | VOA   | 7                  | 6                            | 5                        | 0.281               | No Trend     |
| Ethylbenzene                 | WG     | VOA   | 7                  | 6                            | 11                       | 0.068               | Upward Trend |
| Toluene                      | WG     | VOA   | 7                  | 6                            | 4                        | 0.386               | No Trend     |
| Xylene (total)               | WG     | VOA   | 7                  | 6                            | 11                       | 0.068               | Upward Trend |
| Acenaphthene                 | WG     | SVOA  | 6                  | 4                            | 13                       | 0.0083              | Upward Trend |
| Acenaphthylene               | WG     | SVOA  | 6                  | 5                            | 8                        | 0.136               | No Trend     |
| Dibenz(a,h)anthracene        | WG     | SVOA  | 6                  | 1                            | 5                        | 0.235               | No Trend     |
| Fluoranthene                 | WG     | SVOA  | 6                  | 1                            | 5                        | 0.235               | No Trend     |
| Fluorene                     | WG     | SVOA  | 6                  | 3                            | 9                        | 0.068               | Upward Trend |
| Indeno(1,2,3-cd)pyrene       | WG     | SVOA  | 6                  | 1                            | 5                        | 0.235               | No Trend     |
| Naphthalene                  | WG     | SVOA  | 6                  | 5                            | 7                        | 0.136               | No Trend     |
| Phenanthrene                 | WG     | SVOA  | 6                  | 4                            | 14                       | 0.0083              | Upward Trend |
| Phenol                       | WG     | SVOA  | 1                  | 1                            |                          | Insufficient Data * |              |
| Pyrene                       | WG     | SVOA  | 6                  | 1                            | 5                        | 0.235               | No Trend     |
| Aluminum                     | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |              |
| Barium                       | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |              |
| Copper                       | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |              |
| Iron                         | WG     | MET   | 1                  | 1                            |                          | Insufficient Data * |              |
| Cyanide                      | WG     | MI    | 6                  | 3                            | 2                        | 0.5                 | No Trend     |
| Phenolics, Total Recoverable | WG     | MI    | 5                  | 5                            | 0                        | 0.592               | No Trend     |

For multiple observations per time period, the Mann-Kendall test to the median was used.

Data reported as less than the detection limit were used by assigning a common value to the data that was smaller than the smallest measurement in the data set.

(1) - Probabilities for Mann-Kendall Nonparametric Test for Trend (Gilbert R.O. 1987, Table A18).

(2) - Assuming a probability of error of 10% in the analysis method and or data, then the probability of no trend as calculated by the Mann-Kendall statistic is less than 10%, then it is assumed that there is a trend.

\* - Number of obsevations too small to calculate probabilities.

\*\* - Probability Undefined for S=0 and N=6, 7, 10, 11, 14, 15, 18, 19, 22, 23, 26, 27, 30, 31, 34, or 35.

Only Detected Results Reported.

Advanced Selection: Hist GW  
I:\11175784\DB\IDB Files From Clifton ParkStat.mde  
2/25/2010  
WHERE [MATRIX] = 'WG' AND ([SACODE] = 'N' OR [SACODE] = 'FD') AND [LOCID] LIKE 'MW%' AND [UNITS] = 'UG/L';

**TABLE 1**  
**ANALYTICAL DATA SUMMARY**

| Well Number | Direction                          | VOA | PAHs | Metals | CN | Phenols | NAPL<br>(12/2009<br>event) | Trend Analysis<br>(2002-2009) | Remarks   |
|-------------|------------------------------------|-----|------|--------|----|---------|----------------------------|-------------------------------|---|
| MW-1B       | onsite/upgradient                  | x   | x    |        | x  | x       |                            | no trend                      | CN - ND; Phenols - no trend   |
| MW-2B       | onsite/upgradient                  | x   | x    |        | x  | x       | trace NAPL                 | no trend                      | CN - ND; Phenols - no trend   |
| MW-3B       | downgradient                       | x   | x    |        | x  | x       |                            | upward trend                  | CN & Phenols - no trend   |
| MW-6B       | onsite                             | x   | x    |        | x  | x       | NAPL                       | upward trend                  | CN - ND; Phenols - no trend   |
| MW-7BS      | onsite/higher elevation in aquifer | x   | x    |        | x  | x       | slight odor and sheen      | downward trend/ no trend      | This is the only well screened in the upper zone of the aquifer; continue to review downward trend and eliminate when no NAPL indications.<br>CN - ND; Phenols - no trend |
| MW-7BD      | onsite                             | x   | x    |        | x  | x       | trace NAPL                 | no trend/ upward trend        | CN - ND; Phenols - no trend   |
| MW-9B       | downgradient                       | x   | x    |        | x  | x       |                            | no trend                      | CN & Phenols - no trend due to insufficient data  |
| MW-10B      | upgradient                         | x   | x    |        | x  | x       |                            | no trend/ downward trend      | Eliminate since there are multiple upgradient wells; no VOC, SVOC, CN or phenol SCG exceedances since 2006.   |
| MW-11B      | downgradient                       | x   | x    |        | x  | x       | slight odor and sheen      | no trend/ upward trend        | CN - ND; Phenols - no trend   |